CURRICULUM VITAE - Ian Talland Cousins



Position:	Professor
Affiliation:	Department of Environmental Science, Stockholm University, SE-10691 Stockholm, Sweden
Telephone:	+46 72 148 9232
Email:	ian.cousins@aces.su.se
Home page:	https://www.su.se/english/profiles/iacou-1.182048

Research interests

My research comprises a combination of experimental and modelling approaches to investigate the sources, transport, fate and exposure of contaminants. In recent years, much of my research has focused on per- and polyfluoroalkyl substances (PFAS). I work closely with analytical chemists in our department to better understand the behavior of PFAS, and other substances. I have published more than 200 peer-reviewed journal articles and 10 book chapters. I was designated as a Clarivate Web of Science Highly-Cited Researcher in 2018, 2020 and 2024.

A. EDUCATION AND EMPLOYMENT

EDUCATIONAL QUALIFICATIONS

Jan. 1995 – Sep. 1998 — **Ph.D. in Environmental Science** (full-time, defended 01-09-98), Department of Environmental and Earth Sciences, Lancaster University, UK. Ph.D. thesis: 'Air-soil exchange of persistent organic pollutants'. Supervisor: Distinguished Professor Kevin C. Jones. Fully funded by a contract from the UK Ministry of Agriculture, Fisheries and Food (MAFF). Included two secondments with Professor Donald Mackay at Trent University, Canada (5 months) and with Professor Michael McLachlan at University of Bayreuth, Germany (2 months).

Sep. 1990 – Jul. 1995 — **M.Sc. in Environmental Management** (combination of fulltime (Sep. 1990-Jul. 1991) and part-time (research thesis written while working fulltime at WRc plc), MSc awarded Jul. 1995), University of Surrey, UK. MSc thesis: 'Atmospheric deposition of organic pollutants to UK surface waters'. Supervisor: Dr. Chris D. Watts of WRc plc. Scholarship to pay tuition fees from WRc plc.

Oct. 1986 – Jul. 1989 — **B.Sc. in Chemistry (with honours)** (full-time, awarded Jul. 1989), Department of Chemistry, University of York, UK. BSc thesis: 'Cold temperature nuclear magnetic resonance (NMR) spectroscopy studies of the restricted rotation of phenyl ligands in ruthenium(II) complexes'. Supervisor: Dr. Roger Mawby (Reader). Full scholarship to pay tuition and living costs from Hampshire County Council.

CURRENT EMPLOYMENT

Aug. 2024 – present — **Professor of Environmental Chemistry and Deputy Head of Department, with responsibility for staffing within teaching.** Department of

Environmental Science, Stockholm University, Sweden.

PREVIOUS EMPLOYMENT

Apr. 2013 – Jul. 2024 **Professor of Environmental Organic Chemistry**, Department of Environmental Science, Stockholm University, Sweden. (During this period the Department of Applied Environmental Science (ITM) changed its name to the Department of Environmental Science and Analytical Chemistry (ACES) in Jan. 2016 and then to the Department of Environmental Science in Jan. 2020).

Apr. 2008 – Mar. 2012 **Associate Professor** ("Universitetslektor"), Department of Applied Environmental Science (ITM), Stockholm University, Sweden. In Jan. 2010, I moved from ITMx to the Contaminant Chemistry Unit (ITMo) as part of a reorganization of the units at ITM.

Jun. 2004 – Mar. 2008 **Assistant Professor** ("Biträdande universitetslektor"), Unit for Environmental Toxicology and Chemistry (ITMx), Department of Applied Environmental Science (ITM), Stockholm University, Sweden. This was a tenure-track position that I applied for in open competition and was ranked #1. (ITM became a department of Stockholm University in Jan. 2005. Prior to that ITM was an independent research institute (Institute of Applied Environmental Research) on the Stockholm University campus. ITM moved from behind the Natural History Museum to the Geosciences Building in Aug. 2008).

Jan. 2002 – May 2004 **Visiting Researcher**, Unit for Environmental Toxicology and Chemistry (ITMx), Institute of Applied Environmental Research (ITM), Stockholm, Sweden (awarded title of "**Docent"** affiliated with the Department of Environmental Chemistry at Stockholm University in Oct. 2003 following peer-review of research and an assessed lecture). I was employed as an independent researcher and constructed a model to study the transport and fate of chemicals discharged to Norwegian fjords. During this time, I declined a position as Canada Research Chair in Environmental Modelling at Trent University (an open competition where I was ranked #1).

Sep. 1998 – Dec. 2001 **Postdoctoral Fellow**, Canadian Environmental Modelling Centre, Trent University, Ontario, Canada. I worked in the research group of Professor Donald Mackay. My main responsibility was to undertake a research contract for the American Chemistry Council (ACC). The contract's objective was to use a modelling approach to estimate the risk to humans from phthalate esters discharged into the environment. I also undertook research on the surface-air exchange of organic compounds, gas-particle partitioning of chemicals and the incorporation of plant compartments to existing multimedia environmental fate models. I started researching PFAS in 1999 in a two-year contract for the 3M Company. During this time, I successfully applied for a grant from the Natural Sciences and Engineering Research Council of Canada (NSERC).

Jan. 1995 – Aug. 1998 **Research Assistant and Ph.D. student** (employed fulltime by the university rather than studying through a scholarship), Department of

Environmental and Earth Sciences, Lancaster University, UK. I worked in the research group of Distinguished Professor Kevin Jones. I was responsible for the management of a three-year research contract undertaken for the Ministry of Agriculture, Fisheries and Food (MAFF). The contract's aim was to investigate the environmental behavior of organic contaminants in sludge-amended soils and to assess their potential for transfer to the human food chain. During this time, I undertook a PhD which was based on certain detailed aspects of the research contract.

Jul. 1991 – Dec. 1994 **Environmental Chemist**, Water Research Centre (WRc plc, private company performing research and consultancy for the UK water industry), Medmenham, Henley Road, Marlow, Bucks, UK. The company's clients included the UK government, regulatory bodies and industrial companies (especially in the Water Sector). During my time at WRc I worked in a group studying the transport and fate of chemicals in the environment. I was able to work on and manage a wide variety of projects, which included: investigating the transport and fate of multiple organic contaminants in different rivers, field validation of a river quality model, investigating the environmental fate of a solvent used in the nuclear industry, development of Environmental Quality Standards for toxic chemicals, undertaking an audit of the atmospheric emissions from a large water company, assessing the impact of atmospheric deposition of organic pollutants to UK surface waters, development of analytical methods for trace organic pollutants, and the risk assessment of alkyl ethoxylates for a large chemical company. My principal accountabilities included the day-to-day running of projects and their financial management, supervision of technical staff, formulation of proposals, liaising with customers and the preparation of interim and final reports to tight deadlines.

Feb. 1991 – Jun. 1991 **Analytical Chemist**, Thomson Laboratories Ltd (Environmental Consultants), Cosgrove, Milton Keynes, UK. 5-month industrial placement as part of my MSc studies. This placement included routine analysis of organic pollutants and metals in environmental samples and fieldwork, including sampling stack emissions at a waste handling facility, sampling contaminated soil from an old gas works and personal monitoring of workers for chromium VI at a ball bearing manufacturer.

Jan. 1984 – Aug. 1990 Various employment as: kitchen porter in a hotel, cleaner in an apartment store, electrician's assistant, self-employed suspended ceiling fixer, barman, painter and decorator, and gardener.

GAPS IN EDUCATION AND EMPLOYMENT

Aug. 1989 – Aug. 1990 After graduating with a chemistry degree in July 1989, I took a "gap year" in which I worked in various jobs to save money for my continued

education, and travelled in Europe.

Apr. 2004 – Sep. 2010 — I took a total of 24-months parental leave to take care of my three children before, and while, they were at daycare. It is customary for both parents to share this responsibility in Sweden.

B. TEACHING AND MENTORING

MANDATORY TRAINING IN TEACHING AND SUPERVISION AT STOCKHOLM UNIVERSITY

- University Pedagogy 1 (3.0 European Credit Transfer Scheme (ECTS) credits) (2006)
- University Pedagogy 2 (5.0 ECTS credits) (2008)
- Course in Supervision and Leadership (2008)

CURRENT RESPONSIBILITY FOR TEACHING COURSES

- I am course leader and principal teacher in 'Pollution Dynamics' (MI7028, 7.5. ECTS), which is an obligatory course in the Master's Program in Environmental Science: Environmental Toxicology and Chemistry (ES-ETC). I developed the course and have taught it annually from 2022. Currently I also teach in MI7014: Large Scale Challenges to the Climate and the Environment, MI7019: Contaminant Analysis, MI7026: Air Quality - From Emissions to Impacts and MI2009: Miljövetenskaplig metodik ("Scientific Methods in Environmental Science").

PREVIOUS TEACHING RESPONSIBILITIES AT STOCKHOLM UNIVERSITY

- I was course leader and principal teacher in: Environmental Organic Chemistry and Modelling (15 ECTS). It was previously an obligatory course in the Master's Program in Environmental Science: Environmental Toxicology and Chemistry (ES-ETC). I developed the course that was delivered in 2019, 2020 and 2021.
- I was course leader and principal teacher in 'Modelling of Environmental Pollutants' (7.5. ECTS). I developed the course and taught it annually between 2007 and 2018. This was one of the first two Ph.D. courses developed in the department.
- I was course leader and principal teacher in 'Modelling of Environmental Pollutants II: Applications' (7.5. ECTS). I developed the course and taught it annually between 2009 and 2018.
- I developed the course 'Miljöskyddsteknik' ('Environmental Technology') (MI8011, 15 ECTS), was course leader and taught parts of it (in Swedish) in 2018 and 2019.
- In 2010, 2011 and 2018, I developed and taught a modelling module in the Masters introductory course, 'Experimental Studies in Environmental Science'.
- In 2006 and 2007, I taught a one-week modelling module in the Advanced Level course, 'The Marine Environment'.
- I developed and taught a one-week module (part of a 7.5 ECTS credit course) at Umeå University in the Advanced Level course, 'Intermedia Transport Processes and Multimedia Modelling' annually between 2000 and 2005.
- I developed and taught short 'modelling' courses to professionals (academics, consultants, regulators etc.) at two SETAC North America conferences (in Philadelphia, November 1999 and Baltimore, November 2001) and in three EU projects (the NOMIRACLE project in Antwerp, Belgium, September 2006, the PERFOOD project in Rome, Italy in January 2012) and the INFLAME project in Stockholm in April 2012).
- I developed and taught a course in 'Management of a PhD Project and Research Ethics' as part of the

PERFORCE3 project in October 2020.

- I prepared and taught lectures in 'Environmental Modelling' between 2005 and 2011 in the course, 'Introduction to Environmental Science for Natural Scientists' (30 ECTS). Part of the team who developed the course.
- I have taught multiple lectures in various courses at Stockholm University over the years.

POSTDOCTORAL RESEARCHERS UNDER MY MAIN SUPERVISION

- Dr. Kostantinos Prevedouros (Oct. 2004 – Dec. 2007). Funded by the FP6 EU project ALARM and an individual Marie Curie Fellowship (RAMSES). After postdoctoral work in my group, Kostantinos European Chemicals Agency (ECHA) in Helsinki, Finland and is now a Senior Scientific Officer.
- Dr. Amaya Franco (Jan. 2006 – Dec. 2006). Funded by the Universidade de Santiago de Compostela. After postdoctoral research in my group, Amaya returned to Spain and is now Professor at the Universidade de Santiago de Compostela, Spain.
- Dr. Emma Undeman (Jan. 2011 – Feb. 2016). Funded by the Baltic Ecosystem Adaptive Management (BEAM) funding scheme. After working as a "Forskarassistent" in my group, Emma became a Researcher at the Baltic Sea Centre at Stockholm University, Stockholm Sweden and is currently a Case Officer at the Swedish Environment Agency in Stockholm, Sweden.
- Dr. Francis Orata (Jun. 2011 – Aug. 2012). Funded by the EU FP7 project PERFOOD. After his postdoctoral work, Francis returned to Kenya and is currently Professor and Director of Research and Postgraduate Support, Department of Pure and Applied Chemistry, Masinde Muliro University of Science and Technology, Nairobi, Kenya. He was previously Head of the Department (2014-2020).
- Dr. Fiona Wong (Oct. 2011 – Oct. 2015). Funded by the EU ITN project INFLAME. After her postdoctoral work at Stockholm University, Fiona was employed at Environment Canada and Climate Change and is currently a Senior Scientist.
- Dr. Robin Vestergren (Jan. 2012 – Dec. 2016). Funded by the EU FP7 project PERFOOD and the Swedish Research Council Formas (CEEP project). After completing postdoctoral research in my group, Robin undertook further postdoctoral research at the State Key Laboratory of Environmental Chemistry and Ecotoxicology in Beijing, China and at the Norwegian Institute for Air Research (NILU), Tromsö, Norway. He declined a Lecturer position at University of Birmingham in the UK and instead became a Researcher and Consultant at IVL Swedish Environmental Research Institute in Stockholm. He is currently working as Investigator at the Swedish Chemicals Agency, Stockholm, Sweden.
- Dr. Deguo Kong (Jan. 2014 – Feb. 2015). Funded by the EU FP7 project SOLUTIONS. After a brief postdoc in my group, Deguo worked as a consultant and researcher at IVL Swedish Environmental Research Institute for 1 year and then worked as a Senior R&D Engineer and Sales Manager for Asia for Labina AB, Stockholm for several years. He then started his own business, studied for an MBA at Stockholm University and currently is a Supplier Compliance Manager at Nokia Bell in China.
- Dr. Claudia Lindim (Apr. 2014 – Aug. 2017). Funded by the EU FP7 project SOLUTIONS. After her postdoc, Claudia became an Environmental Modeler at Unilever in the UK and is currently employed as a Scientific Regulatory Expert on Environmental Fate at SynTech Research in Germany. **Awarded the King Carl XVI Gustaf 50-year Foundation for Science, Technology and Environment prize (85,000 Swedish kronor) in 2016.**
- Dr. Anne Sørensen (Aug. 2014 – Dec. 2019). Funded by the Danish Research Council and the Swedish Research Council Formas. After her postdoc, Anne started employment as a Curator/Researcher at the Swedish Museum of Natural History in Stockholm, Sweden.

- Dr. Marko Filipovic (Jun. 2015 – Nov. 2015). Funded by the Swedish Research Council Formas (CEEP project). After his postdoc, Marko became an Environmental Consultant at Niras in Stockholm, worked at the Department of Defence and then co-founded his own consultancy company, Sellén & Filipovic AB, Sweden.
- Dr. Ioannis Liagkouridis (Jun. 2017 – Dec. 2019). Funded by the Stockholm County Council (SUPFES-Health project). After his postdoc, Giannis started employment as a consultant and researcher at IVL Swedish Environmental Research Institute, Stockholm, Sweden.
- Dr. Jana Johansson (Jul. 2017 – Jul. 2020). Funded by the Swedish Research Council Vetenskapsrådet. During her postdoc, Jana successfully obtained a Mobility Grant for Early-Career Researchers from Formas. **Awarded the King Carl XVI Gustaf 50-year Foundation for Science, Technology and Environment prize (100,000 Swedish kronor) in 2020.** Jana is now an Associate Professor at Linköping University.
- Dr. Shuhong Fang (Sep. 2018 – Aug. 2019). Funded by a China Council Scholarship. She is now an Associate Professor at Chengdu University, China.
- Dr. Steffen Schellenberger (Jun. 2019 – Nov. 2019). Funded by the Stockholm County Council (SUPFES-Health project). He is now an Environmental Engineer at RISE IVF in Sweden.
- Dr. Bo Sha (Mar. 2022 – present). Funded by the Swedish Research Council Vetenskapsrådet. **Awarded the King Carl XVI Gustaf 50-year Foundation for Science, Technology and Environment prize (100,000 Swedish kronor) in 2025.**
- Dr. Kyra Spaan (Jan. 2025 – Jun. 2025). Funded by the Swedish Environment Agency. **Awarded the King Carl XVI Gustaf 50-year Foundation for Science, Technology and Environment prize (100,000 Swedish kronor) in 2025.**
- Dr. Yunqiao Zhou (Mar. 2025 – Feb. 2026). Funded by a scholarship from the Beijing University of Agriculture.
- Dr. Romain Figuière (Apr. 2025 – present). Funded by the European Commission Horizon 2020, ZeroPM project.

DOCTORAL STUDENTS UNDER MY MAIN ACADEMIC SUPERVISION

- James Armitage (Oct. 2004 – Mar. 2009), Modelling the Global Fate and Transport of Perfluoroalkylated Substances (PFAS). Ph.D. defense: 27-03-09. Funded by EU 6FP NOMIRACLE project. **Awarded the Sigrid Arrhenius Stipend (65,000 Swedish kronor for the best Ph.D. thesis in the Science Faculty of Stockholm University) in 2009**. After graduation, James undertook postdoctoral work at the University of Toronto in Canada and is now an Environmental Consultant at Arnot Research and Consultancy in Canada.
- Erick Nfon (Apr. 2005 – Apr. 2009), Tools for Evaluating the Fate and Bioaccumulation of Organic Compounds in Aquatic Ecosystems. Ph.D. defense: 24-04-09. Funded by the Swedish Research Council Formas. After graduation, Erick became a Regulatory Affairs Scientist at Smithers Viscient (ESG) Ltd in the UK. He now works as a Principal Environmental Risk Assessor at The Janssen Pharmaceutical Companies of Johnson & Johnson.
- Robin Vestergren (Apr. 2007 – Dec. 2011), Human exposure to perfluoroalkyl acids. Ph.D. defense: 02-12-11. Funded by the EU FP7 PERFOOD project and the DuPont Company. See above for career progression.
- Deguo Kong (Sep. 2009 – Dec. 2013), Confronting new challenges in chemical assessment. Ph.D. defense: 13-12-13. Funded by the EU FP7 ArcRisk project. See above for career progression.
- Ioannis Liagkouridis (Jan. 2012 – Apr. 2016), Indoor emissions of flame retardants. Ph.D. defense: 08-

04-16. Funded by the EU ITN INFLAME project. See above for career progression.

- Thuy Bui (Sep. 2013 – Aug. 2017) Assessing human exposure to phthalates, alternative plasticizers and organophosphate esters. Ph.D. defense: 01-06-17. Funded by the EU ITN A-TEAM project. After graduation, Thuy became a postdoctoral fellow in Prof. Christina Rudén's research group in our department before being appointed Regulatory Affair Manager at Prosacon GmbH in Hofheim am Taunus, Hesse, Germany.
- Jana Johansson (Nov. 2012 – Jun. 2017) Sources, transport and fate of perfluoroalkyl acids in the atmosphere. Ph.D. defense: 09-06-17. Funded by the Swedish Research Council Formas. **Jana was awarded the Early Career Scientists' (ECS) aerosologist award for the outstanding Ph.D. thesis of 2017. Awarded by the Nordic Society of Aerosol Research (NOSA))**. See above for career progression.
- Melissa Gomis (Apr. 2013 – Apr. 2017) From emission sources to human tissues: modelling the exposure to per- and polyfluoroalkyl substances. Ph.D. defense: 12-05-17. Funded by the EU ITN A-TEAM project. After graduation, Melissa became a Senior Science Officer for the Intergovernmental Panel of Climate Change (IPCC) in Paris, France. She now works as a Science-Policy Engagement Officer at the Geneva Science-Policy Interface (GSPI) in Switzerland.
- Kerstin Winkens (Jun. 2013 – Mar. 2018) Estimating Children's Exposure to Per- and Polyfluoroalkyl Substances. Ph.D. defense: 16-03-18. Funded by the Swedish Research Council Formas. Worked first at the Swedish Museum of Natural History in Stockholm and is now Head of Risk Assessment at IVL Swedish Environmental Research Institute in Stockholm, Sweden.
- Steffen Schellenberger (Apr. 2014 – Jun. 2019) The missing links: Towards an informed substitution of durable water-repellent chemicals for textiles. PhD defense: 13-06-19. Funded by the Swedish Research Council Formas. See above for career progression.
- Bo Sha (Aug. 2017 – Mar. 2022) Transport of perfluoroalkyl acids from the ocean to the atmosphere on sea spray aerosol. PhD defense: 25-03-22. Funded by the Swedish Research Council Formas. Now a postdoctoral fellow in my research group. **Bo's thesis was voted the best PhD thesis in the Department of Environmental Science and the Section for Geological and Environmental Science for 2022.**
- Nikola Radoman (Dec. 2017 – Dec. 2022) Enrichment of biogenic and anthropogenic organic substances on sea spray aerosols. PhD defense: 16-12-22. Funded by a competitive internal grant obtained from the Department of Environmental Science, Stockholm University. Now an Analytical Chemist at Ardena Södertälje AB in Södertälje, Sweden.
- Romain Figuière (Oct. 2021 – Mar. 2025) Do we need to use hazardous chemicals in society? The implementation of the "Essential-Use" Concept. PhD defense: 07-03-25. Funded by the European Commission Horizon 2020, ZeroPM project. Now a postdoctoral fellow in my research group.
- Joost Dalmijn (Sep. 2020 – Mar. 2025) Sources, transport and fate of PFAS in the atmosphere. PhD defense: 28-03-25. Funded by the EU ITN PERFORCE3 project. Now an environmental consultant at Arcadis in the Netherlands.
- Eleni Savvidou (Oct. 2021 – Dec. 2025) Identifying PFAS in certain uses and replacing them. Funded by the Swedish Research Council Formas.
- Luc Miaz (Oct. 2021 – Dec. 2025) Grouping of PFAS. Funded by the European Commission Horizon 2020, ZeroPM project.
- Amanda Rensmo (Jun. 2024– Sep. 2028) Are PFAS essential for the green energy transition? Funded by the European Commission Horizon 2020, ZeroPM project.
- Theresa Döring (Jun. 2024– Sep. 2028) Impacts of sea spray aerosol transport of perfluoroalkyl acids (PFAAs) on coastal regions. Funded by the Swedish Research Council Formas.

DOCTORAL STUDENTS UNDER MY CO-SUPERVISION (DATE OF THESIS DEFENSE IN BRACKETS)

- Kim Hultin (2010) (now an Analyst at Stockholm County Council, Sweden), Elena Krillova (2013) (now a Research Engineer in our department), Caroline Ek (2016) (now a Curator at the Swedish Museum of Natural History in Stockholm, Sweden), Hong Yan (2016) (now a secondary school science teacher in China), Kim Dahlgren-Strååt (2017: licentiate) (now an Environmental Consultant at Sweco Environment AB, Stockholm, Sweden), Pingping Meng (2019) (now an Assistant Professor at East Carolina University, US), Malte Posseit (2020) **Awarded the Sigrid Arrhenius Stipend (45,000 Swedish kronor for the best Ph.D. thesis in the Science Faculty of Stockholm University) in 2020. Awarded the King Carl XVI Gustaf 50-year Foundation for Science, Technology and Environment prize (100,000 Swedish kronor) in 2021.** Now an Assistant Professor in our department, Inés Rodríguez Leal (2022: licentiate), John Hader (2023: now a postdoctoral fellow at EMPA, Zurich, Switzerland) **Won the Science Slam at the SETAC Europe conference 2023**, Shahla Namazkar (2023: licentiate; now a Research Assistant at Astra Zeneca), Zongzhe He (2024: now a postdoctoral fellow at Fudan University, China), Mélanie Lauria (2025: now a postdoctoral fellow at EAWAG, Zurich, Switzerland), Xiaoyu Zhang (ongoing).

MASTER'S STUDENTS UNDER MY SUPERVISION OR CO-SUPERVISION (DATE OF THESIS DEFENSE IN BRACKETS)

- Claudia Teichmann (1997) (now a Senior Scientist at Greenpeace in Hamburg, Germany), Heidi Kreibich (1997) (now a Professor and Group Leader at the German Research Centre for Geosciences, in Potsdam, Germany), Todd Gouin (2001) (worked as an Associate Professor at University of Alaska Fairbanks and at Unilever in the UK before joining Arnot Research and Consultancy and later setting up his own consultancy company), Rebecca Alli (2005) (now an Engineer at Gray and Osborne Ltd., Seattle, US), Ingrid Sundholm (2005) (now a Process Consultant at More Research in Örnsköldsvik, Sweden), Zhe Li (2011) (after completing a PhD and postdoc at ACES she is now a Research Engineer in our department), Van Anh Le (2011) (now a PhD candidate and Artificial Intelligence Associate Lecturer at RMIT University, Vietnam), Jana Johansson (2012) (undertook a Ph.D. and postdoctoral fellowship in my group and now Associate Professor at Linköping University, Sweden), Fabian Balk (2018) (got a PhD at Eawag in Zurich under the supervision of Juliane Hollender and now works at the Ecotox Centre in Zurich), Julia Zhou (2019) (now working as an Environmental Consultant for Ramboll in Stockholm, Sweden), Eleni Savvidou (2021) (now a PhD student in my group), Aleksandra Kvick (2021) (now an Environmental Health Officer for Stockholm City, Sweden), Julia Shafer (2022) (now working as a consultant at Axö Consulting, Örebro, Sweden), Eliana Ungerovich (2022) (now working as a consultant at Merlin & Metis, Stockholm, Sweden), Danis Talipov (2022) (worked as a Process Engineer at Northvolt in Skellefteå, Sweden and currently a Process Engineer at AFRY in Stockholm), Amanda Rensmo (2023) (**Prize from Avfall Sverige for the best MSc thesis of 2023**) (worked as an Energy Consultant at WSP and as a Research Assistant at Uppsala University before joining my group as a PhD student), Sofia Lagnefeldt (2023) (currently an Environmental Consultant at Sweco in Stockholm), Olivier Kirik (2024) (currently working as an environmental consultant at Alcimed in Paris, France).

BACHELOR THESIS STUDENTS UNDER MY SUPERVISION (DATE OF THESIS DEFENSE IN BRACKETS)

- Jana Johansson (2009) (later undertook an MSc and Ph.D. in my group, see above for info on career progression), Jessica Shahin (2024) (currently studying to be a chemistry teacher).

C. PUBLICATIONS IN VARIOUS MEDIA

CITATION METRICS

- Clarivate Analytics Web of Science citation report (all databases) 22/09/25: 264 contributions listed, 27 648 citations, 104.73 citations per contribution, h-index = 76.
- Elsevier Scopus citation report 22/09/25: 221 contributions listed, 26 264 citations, h-index = 76.
- Google Scholar citation report 22/09/25: 35 878 citations, h-index = 88, i10 index = 193.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Cousins, I. T., Cronin, M.T.D., Dearden, J.C., Watts, C.D. (1995) Use of molecular similarity indices for QSAR training set selection. *SAR and QSAR in Environmental Research*, 3, 279-292.
2. Cousins, I.T., Watts, C.D., Freestone, R. (1995) Field measurement and modelling the fate of aniline and lindane in a UK lowland river. *Environmental Technology*, 16, 515-526.
3. Cousins, I.T., Bealing, D.J., James, H.A., Sutton, A. (1996) Biodegradation of microcystin-LR by indigenous mixed bacterial populations. *Water Research*, 30, 481-485.
4. Duarte-Davidson, R., Sewart, A., Alcock, R.E., Cousins, I.T., Jones, K.C. (1997) Exploring the balance between sources, deposition, and the environmental burden of PCDD/Fs in the U.K. terrestrial environment: an aid to identifying uncertainties and research needs. *Environmental Science and Technology*, 31, 1-11.
5. Cousins, I.T., Kreibich, H., Hudson, L.E., Lead, W.A., Jones, K. C. (1997) PAHs in soils: contemporary U.K. data and evidence for potential contamination problems caused by exposure of samples to laboratory air, *The Science of the Total Environment*, 203, 141-156.
6. Cousins, I.T., Hartlieb, N., Teichmann, C., Jones, K.C. (1997) Measured and predicted volatilisation fluxes of PCBs from contaminated sludge-amended soils. *Environmental Pollution*, 97, 229-238.
7. Cousins, I.T., McLachlan, M.S., Jones, K.C. (1998) Lack of an ageing effect on the soil-air partitioning of PCBs. *Environmental Science and Technology*. 32, 2734-2740.
8. Cousins, I.T., Jones, K.C. (1998) Air-soil exchange of SOCs in the UK. *Environmental Pollution*, 102, 105-118.
9. Cousins, I.T., Beck, A.J., Jones, K.C. (1999) A review of the processes involved in the exchange of semi-volatile organic compounds (SVOC) across the air/soil interface. *The Science of the Total Environment*, 228, 5-24.
10. Cousins, I.T., Gevao, B., Jones, K.C. (1999) Measuring and modelling the vertical distribution of semi-volatile organic compounds in soils. 1: PCB and PAH soil core data. *Chemosphere*, 39, 2519-2534.
11. Cousins, I.T., Mackay, D., Jones, K. C. (1999) Measuring and modelling the vertical distribution of semi-volatile organic compounds in soils. 2: Model development. *Chemosphere*, 39, 2507-2518.
12. Cousins, I.T., Mackay, D. (2000) Correlating the physical-chemical properties of phthalate esters using the 'three solubility' approach. *Chemosphere*, 41, 1389-1399.
13. Cousins, I.T., Mackay, D. (2001) Gas-particle partitioning of organic compounds and its interpretation using relative solubilities. *Environmental Science and Technology*, 35, 643−647.
14. Cousins, I.T., Mackay, D. (2001) Strategies for including vegetation compartments in multimedia models. *Chemosphere*, 44, 643−654.
15. Palm, A., Cousins, I.T., Mackay, D., Tysklind, M., Metcalfe, C., Alaee, M. (2002) Assessing the environmental fate of chemicals of emerging concern: A case study of the polybrominated diphenyl ethers. *Environmental Pollution*, 117, 195−213.
16. Gouin, T., Thomas, G. O., Cousins, I.T., Barber, J., Mackay, D., Jones, K.C. (2002) Air-surface exchange of polybrominated diphenyl ethers and polychlorinated biphenyls. *Environmental Science and Technology*, 36, 1426−1434.

17. Sweetman, A.J., Cousins, I.T., Seth, R., Jones, K.C., Mackay, D. (2002) A dynamic Level IV multimedia model of emissions and environmental fate of PCBs in the UK over a 60-year period. *Environmental Toxicology and Chemistry*, 21, 930-940.
18. Cousins, I.T., Klecka, G., Staples, C. A., Mackay, D. (2002) An assessment of the environmental fate of Bisphenol A. *Journal of Human and Ecological Risk Assessment*, 8 (5), 1107–1135.
19. Newsted, J.L., Cousins, I.T., Nakanishi, J., Werner, K., Giesy, J. P. (2002) Predicted distribution and ecological risk assessment of a 'segregated' hydrofluoroether in the Japanese environment. *Environmental Science and Technology*, 36 (22), 4761–4769.
20. Cahill, T.H., Cousins, I.T., Mackay, D. (2003) Development and application of a physiologically based pharmacokinetic model for multiple chemical contaminants. *Environmental Toxicology and Chemistry*, 22 (1), 26–34.
21. Cahill, T.H., Cousins, I.T., Mackay, D. (2003) General fugacity-based model to predict the environmental fate of multiple chemical species. *Environmental Toxicology and Chemistry*, 22 (3), 483–493.
22. Newsted, J.L., Cousins, I.T., Nakanishi, J., Werner, K., Giesy, J. P. (2003) Additions and corrections to 'Predicted distribution and ecological assessment of a 'segregated' hydrofluoroether in the Japanese environment' (vol 36, pg 4761, 2002), *Environmental Science and Technology*, 37 (6), 1228–1228.
23. Cousins, I.T., Gouin, T. (2003) Rapid vegetation-air exchange facilitates the long-range transport of SVOCs. *Stochastic Environmental Research and Risk Assessment*, 14, 241-243.
24. Mackay, D., Cahill, T.M., Cousins, I.T. (2003) Authors' reply on comment to General fugacity-based model to predict the environmental fate of multiple chemical species. *Environmental Toxicology and Chemistry*, 22 (10), 2220-2220.
25. Palm, A., Cousins, I.T., Gustafsson, Ö, Axelman, J., Grunder, K., Broman, D., Brorström-Lundén, E. (2004) Evaluation of sequentially-coupled POP fluxes estimated from simultaneous measurements in multiple compartments of an air-water-sediment system. *Environmental Pollution,* 128, 85–97.
26. Backe, C., Cousins, I.T., Larsson, P. (2004) PCB in soils and the estimated soil-air exchange fluxes of selected PCB congeners in the south of Sweden. *Environmental Pollution*, 128, 59–72.
27. Gouin, T., Cousins, I.T., Mackay, D. (2004) Comparison of two methods for obtaining degradation half-lives. *Chemosphere*, 56, 531–535.
28. Prevedouros, K., Cousins, I.T., Buck, R.C., Korzeniowski, S.H. (2005) Sources, Fate and Transport of Perfluorocarboxylates. *Environmental Science and. Technology*, 40, 32–44. **#1 most cited paper in *Environmental Science and Technology* for 2006 and #16 most cited in the history of the journal. Web of Science Hot Paper and Highly Cited Paper.**
29. Armitage, J., Cousins, I.T., Buck, R. C., Prevedouros, K., Russell, M. H., Macleod, M., Korzeniowski, S. H. (2006) Modeling Global-Scale Fate and Transport of Perfluorooctanoate Emitted from Direct Sources. *Environmental Science and Technology,* 40, 6969–6975.
30. Persson, N.J., Cousins, I.T., Molvær, J., Broman, D. (2006) Modelling the Long-Term Fate of Polychlorinated Dibenzo-p-dioxins and Furans (PCDD/Fs) in the Grenland Fjords, Norway. *The Science of the Total Environment*, 369, 188–202.
31. Nfon, E., Cousins, I.T. (2006) Interpreting time trends and biomagnification of PCBs in the Baltic region using the equilibrium lipid partitioning approach. *Environmental Pollution,* 44, 994–1000.
32. Armitage, J.M., Hanson, M., Axelman, J., Cousins, I.T. (2006) Levels and vertical distribution of PCBs in agricultural and natural soils from Sweden. *The Science of the Total Environment*, 371, 344–352.
33. Franco, A, Prevedouros, K., Alli, R., Cousins, I.T. (2007) Comparison and analysis of different approaches for estimating the human exposure to phthalate esters. *Environmental International*, 33, 283–291.

34. Nfon, E., Cousins, I.T. (2007) Modelling PCB Bioaccumulation in a Baltic Food Web. *Environmental Pollution,* 148, 73–82.
35. Armitage, J.M., Cousins, I.T., Hauck, M., Harbers, J.V. Huijbregts, M.A.J. (2007) Empirical evaluation of spatial and non-spatial European-scale multimedia fate models: results and implications for chemical risk assessment, *Journal of Environmental Monitoring*, 9, 572–581.
36. Prevedouros, K., Palm-Cousins, A., Gustafsson, Ö., Cousins, I.T. (2008) Development of a black carbon-inclusive urban model: Application for PAHs in Stockholm. *Chemosphere*, 70, 607–615.
37. Saloranta, T.M., Armitage, J.M., Haario, H., Næs, K., Barton, D., Cousins, I.T. (2008) Modelling the Effects and Uncertainties of Contaminated Sediment Remediation Scenarios in a Norwegian Fjord by Markov Chain Monte Carlo simulation *Environmental Science and Technology*, 42, 200–206.
38. Trudel, D., Horowitz, L., Scheringer, M., Wormuth, M., Cousins, I.T., Hungerbuehler, K. (2008) Estimating consumer exposure to PFOS and PFOA. *Risk Analysis*, 28 (2), 1–20. **Web of Science Highly Cited Paper.**
39. Armitage, J.M., Cousins, I.T., Persson, N.J., Gustafsson, Ö., Saloranta, T., Broman, D., Næs, K. (2008) Black Carbon-Inclusive Modelling Tool for Estimating the Aquatic Fate of Organic Contaminants. *Environ. Sci. Technol.,* 42, 3697–3703.
40. Hauck, M., Harbers, J.V., Huijbregts, M.A.J., Armitage, J.M., Cousins, I.T. (2008) Comparing uncertainty and variability in BaP concentrations in Europe: a multi-media modelling exercise. *Chemosphere*, 72, 959–967.
41. Armitage, J.M., Franco, A., Gomez, S., Cousins, I.T. (2008) Modelling the influence of particle deposition on the accumulation of organic contaminants in submerged aquatic vegetation. *Environmental Science and Technology*, 42, 4052–4059.
42. Nfon, E., Cousins, I.T., Broman, D. (2008) Biomagnification of Organic Pollutants in Benthic and Pelagic Marine Food Chains from the Baltic Sea. *The Science of the Total Environment*, 397, 190–204.
43. Trudel, D., Horowitz, L., Scheringer, M., Wormuth, M., Cousins, I.T., Hungerbuehler, K. (2008) Correction to 'Estimating consumer exposure to PFOS and PFOA' (vol 28, pg 251, 2008). *Risk Analysis*, 28, 3, 807-807.
44. Schenker, U., Scheringer, M., Macleod, M., Martin, J., Cousins, I.T. Hungerbuehler, K. (2008) Contribution of volatile precursor substances to the flux of perfluorooctanoate to the Arctic. *Environmental Science and Technology*, 42, 3710–3716.
45. Cornelissen, G., Cousins, I.T., Wiberg, K., Tysklind, M., Holmström, H., Broman, D. (2008) Black carbon-dominated PCDD/Fs sorption to soils at a former wood impregnation site. *Chemosphere*, 72, 1455–1461.
46. Vestergren, R., Cousins, I.T., Trudel, D., Wormuth, M., Scheringer, M. (2008) Estimating the contribution of precursor compounds in consumer exposure to PFOS and PFOA. *Chemosphere*, 73, 1617–1624.
47. Armitage, J.M., MacLeod, M., Cousins, I.T. (2009) Modeling the global fate and transport of perfluorooctanoic acid (PFOA) and perfluorooctanoate (PFO) emitted from direct sources using a multispecies mass balance model. *Environmental Science and Technology*, 43, 1134-1140
48. Armitage, J.M., MacLeod, M., Cousins, I.T. (2009) Comparative assessment of the global fate and transport pathways of long-chain Perfluorocarboxylic acids (PFCAs) and Perfluorocarboxylates (PFCs) emitted from direct sources. *Environmental Science and Technology*, 43, 5830-5836.
49. Vestergren, R. and Cousins, I.T. (2009) Tracking the sources and pathways of human exposure to perfluorocarboxylates (PFCAs) *Environmental Science and Technology*, 43, 5565-5575. **Web of Science Highly Cited Paper.**
50. Armitage, J.M., Schenker, U., Scheringer, M., Martin, J.W., MacLeod, M., Cousins, I.T. (2009)

Modeling the global fate and transport of perfluorooctane sulfonate (PFOS) and precursor compounds in relation to temporal trends in wildlife exposure. *Environmental Science and Technology*, 43, 9274-9280. **Best Environmental Technology Paper in Environ. Sci. Technol. in 2009.**

51. Armitage, J.M., Macleod, M., Cousins, I.T. (2009) Additions and corrections to 'Modeling the global fate and transport of perfluorooctanoic acid (PFOA) and perfluorooctanoate (PFO) emitted from direct sources using a multispecies mass balance model'. (Environ. Sci. Technol. 43, 1134-1140). *Environmental Science and Technology*, 43, 6438-6439.
52. Armitage, J.M., Macleod, M., Cousins, I.T. (2009) Response to comment on 'Comparative assessment of the global fate and transport pathways of long-chain Perfluorocarboxylic acids (PFCAs) and Perfluorocarboxylates (PFCs) emitted from direct sources'. (Environ. Sci. Technol. 43, 5830-5836). *Environmental Science and Technology*, 43, 7153-7154.
53. Nfon, E., Cousins, I.T., Broman, D. (2009) Correction to 'Biomagnification of Organic Pollutants in Benthic and Pelagic Marine Food Chains from the Baltic Sea.' (vol 397, pg 190, 2008). *The Science of the Total Environment*, 407, 5803-5804.
54. Nfon, E., Cousins, I.T., Järvinen, O., Mukherjee, A.B., Verta, M. and Broman, D. (2009) Trophodynamics of Mercury and Other Metals in a Pelagic Food Chain from the Baltic Sea. *The Science of the Total Environment*, 407, 5803-5804.
55. Arnot, J.A., Armitage, J.M., McCarty, L.S., Wania, F., Cousins, I.T., Toose-Reid, L. (2010) Toward a Consistent Evaluative Framework for POP Risk Characterization. *Environmental Science and Technology*, 45, 97-103.
56. Cousins, I.T., Kong, D., Vestergren, R. (2011) Reconciling measurement and modelling studies of the sources and fate of perfluorinated carboxylates. *Environmental Chemistry*, 8, 4, 339-354. **Selected as Highlight of the journal in 2011.**
57. Reth, M., Berger, U., Broman, D., Cousins, I.T., Nilsson, E.D., McLachlan, M.S. (2011) Water-to-air transfer of perfluorinated carboxylates and sulfonates via sea spray. *Environmental Chemistry*, 8, 4, 381-388.
58. Wang, Z., MacLeod, M., Cousins, I.T., Scheringer, M., Hungerbühler, K. (2011) Predicting Physicochemical Properties of Poly- and Perfluorinated Alkyl Substances (PFAS) with COSMOtherm® *Environmental Chemistry*, 8, 4, 389-398. **Selected as Highlight of the journal in 2011.**
59. Buck, R.C., Franklin, J., Berger, U., Cousins, I.T., de Voogt, P., Astrup Jensen, A., Kannan, K., Mabury, S.A., and van Leeuwen S. (2011) Perfluoroalkyl and Polyfluoroalkyl Substances in the Environment: Terminology, Classification, and Origins. *Integrated Environmental Assessment and Management,* 7, 4, 513-541. **#1 most cited paper in the history of the journal.**
60. Nfon, E, Armitage, J.M., Cousins, I.T. (2011) Influence of submerged aquatic vegetation on the fate and food web transfer of pesticides in small freshwater ecosystems. *The Science of the Total Environment*, 409, 5416-5422.
61. Cousins, I.T., Buck, R.C. Letter to the Editor regarding, "Polyfluorinated compounds: Past, present, and future" *Environ. Sci. Technol*., 45, 9821-9821.
62. Vestergren, R., Ullah, S., Cousins, I.T., Berger, U. (2012) A matrix effect-free method for ultra-trace analysis of perfluoroalkyl carboxylic acids and perfluoroalkane sulfonic acids in complex dietary samples. *J Chromatogr A*, 1237, 64-71.
63. Hollander A., Hauck, M., Cousins, I.T., et al. (2012) Spatial emission variability versus environmental variability in fate models for environmental exposure assessment of chemicals. *Environ Model Assess,* 17, 577-587.
64. Vestergren, R., Berger, U., Glynn, A., Cousins, I.T. (2012) Dietary exposure of the Swedish population to perfluorinated carboxylates and sulfonates. *Environ Int*, 49, 120-127.

65. Shatalov, S., Johansson, J.H., Wiberg, K., Cousins, I.T. (2012) Tracing the origin of dioxins in Baltic air using an atmospheric modeling approach. *Atmos Poll Res*,3, 408-416.
66. Waaijers, S.L., Kong, D., Hendriks, H.S., de Wit, C.A., Cousins, I.T., et al. (2013) Persistence, Bioaccumulation and Toxicity of Halogen-Free Flame Retardants. *Rev Environ Toxicol Chem*, 221, 1-71.
67. Gouin, T., Armitage, J.M., Cousins, I.T., et al. (2013) Influence of global climate change on chemical fate and bioaccumulation: the role of multimedia models. *Environ Toxicol Chem*, 32, 1-13.
68. Miller, A., Hedman, J.E., Nyberg, E., Haglund, P., Cousins, I.T., Wiberg, K., Bignert, A. (2013) Temporal trends in dioxins (polychlorinated dibenzo-p-dioxin and dibenzofurans) and dioxin-like polychlorinated biphenyls in Baltic herring (Clupea harengus). *Mar Pollut Bull*, 73, 220-230.
69. Wong, F., Cousins, I.T., Macleod, M. (2013) Bounding uncertainties in intrinsic human elimination half-lives and intake of polybrominated diphenyl ethers in the North American population. *Environ Int*, 59, 168-174.
70. Vestergren, R., Orata, F., Berger, U., Cousins, I.T. (2013) Bioaccumulation of perfluoroalkyl acids in dairy cows in a naturally contaminated environment. *Environ Sci Pollut Res Int*, 20, 7959-7969. DOI: 10.1007/s11356-013-1722-x
71. Cousins, I.T. (2013) Nordic research on per- and polyfluoroalkyl substances (PFAS) *Environ Sci Pollut Res Int*, 20, 7926-7929.
72. Vierke, L., Berger, U., Cousins, I.T. (2013) Estimation of the acid dissociation constant of perfluoroalkyl carboxylic acids through an experimental investigation of their water-to-air transport. *Environ Sci Technol*, 47, 11032-11039.
73. Wang, Z., Cousins, I.T., Scheringer, M., Hungerbuehler, K. (2013) Fluorinated alternatives to long-chain perfluoroalkyl carboxylic acids (PFCAs), perfluoroalkane sulfonic acids (PFSAs) and their potential precursors. *Environ Int*, 60, 242-248. **Web of Science Hot Paper and Highly Cited Paper.**
74. Kong, D., MacLeod, M., Li, Z., Cousins, I.T. (2013) Effects of input uncertainty and variability on the modelled environmental fate of organic pollutants under global climate change scenarios. *Chemosphere*, 93, 2086-2093.
75. Persson, L.M., Breitholtz, M., Cousins, I.T., de Wit, C.A., MacLeod, M., McLachlan, M.S. (2013) Confronting Unknown Planetary Boundary Threats from Chemical Pollution. *Environ. Sci. Technol*., 47, 12619-12622. **Best Feature Article in Environ. Sci. Technol. in 2013.**
76. Johansson, J.H., Berger, U., Vestergren, R., Cousins, I.T. et al. (2014) Temporal trends (1999-2010) of perfluoroalkyl acids in commonly consumed food items. *Environ. Pollut*., 188, 102-108.
77. Liagkouridis, I., Cousins, I.T., Cousins, A.P. (2014) Emissions and fate of brominated flame retardants in the indoor environment: A critical review of modelling approaches. *Sci. Total Environ*. 491-492, 87-99.
78. Kong, D., Macleod, M., Cousins, I.T. (2014) Modelling the influence of climate change on the chemical concentrations in the Baltic Sea region with the POPCYCLING-Baltic model. *Chemosphere*, 110, 31-40.
79. Wang, Z., Buck, R.C., Cousins, I.T., Scheringer, M. (2014) Estimated Historic & Future Perfluorocarboxylate Emissions by Source, Homologue Chain Length, Environmental Compartment and Geography. 1: Quantifiable sources. *Environ Int,* 70, 62-75. **Web of Science Hot Paper and Highly Cited Paper.**
80. Wang, Z., Buck, R.C., Cousins, I.T., Scheringer, M. (2014) Estimated Historic & Future Perfluorocarboxylate Emissions by Source, Homologue Chain Length, Environmental Compartment and Geography. 2: the missing pieces of the puzzle. *Environ. Int*., 69, 166-176.
81. Scheringer, M., Trier, X., Cousins, I.T., et al. (2014) Helsingør statement on poly and perfluorinated alkyl substances. *Chemosphere*, 114, 337-339.
82. Wong, F., MacLeod, M., Mueller, J.F., Cousins, I.T. (2014) Enhanced Elimination of Perfluorooctane

Sulfonic Acid by Menstruating Women: Evidence from Population-based Pharmacokinetic Modeling. *Environ. Sci. Technol*., 48, 8807-8814.

83. MacLeod, M., Breitholtz, M., Cousins, I.T., et al. (2014) Identifying Chemicals That Are Planetary Boundary Threats. *Environ. Sci. Technol*., 48, 11057-11063.
84. Kong, D., MacLeod, M., Hung, H., Cousins, I.T. (2014) Statistical analysis of long-term monitoring data for persistent organic pollutants in the atmosphere at 20 monitoring stations broadly indicates declining concentrations. *Environ. Sci. Technol*., 48, 12492–12499.
85. Wang, Z., Cousins, I.T., Scheringer, M. (2015) Comment on "The environmental photolysis of perfluorooctanesulfonate, perfluorooctanoate, and related fluorochemicals". *Chemosphere*, 122, 301-303.
86. Brack, W., Altenburger, R., Schüürmann, G., Krauss, M., López Herráez, D., van Gils, J., Slobodnik, J., Munthe, J., Gawlik, B.M., van Wezel, A., Schriks, M., Hollender, J., Tollefsen, K.E., Mekenyan, O., Dimitrov, S., Bunke, D., Cousins, I.T., et al. (2015) The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. *Sci. Total Environ.*, 503-504, 22-31.
87. Gebbink, W.A., Berger, U., Cousins, I.T. (2015) Estimating human exposure to PFOS isomers and PFCA homologues: The relative importance of direct and indirect (precursor) exposure. *Environ. Int*., 74, 160-169.
88. Gomis, M.I., Wang, Z., Scheringer, M., Cousins, I.T. (2015) A modeling assessment of the physicochemical properties and environmental fate of emerging and novel per- and polyfluoroalkyl substances. *Sci. Total Environ*., 505, 981-991.
89. Wang, Z., Cousins, I.T., Scheringer, M., Hungerbuehler, K. (2015) Hazard assessment of fluorinated alternatives to long-chain perfluoroalkyl acids (PFAAs) and their precursors: Status quo, ongoing challenges and possible solutions. *Environ Int*, 75, 172-179. **Web of Science Highly Cited Paper.**
90. Vestergren, R., Herzke, D., Wang, T., Cousins, I.T. (2015) Are imported consumer products an important diffuse source of PFAS to the Norwegian environment? *Environ. Pollut*., 198, 223-230.
91. Land, M., de Wit, C.A., Cousins, I.T., et al. (2015) What is the effect of phasing out long-chain per- and polyfluoroalkyl substances on the concentrations of perfluoroalkyl acids and their precursors in the environment? A systematic review protocol. *Environmental Evidence*, 4:3, 1-13.
92. Pacyna, J.M., Cousins, I.T., et al. (2015) Impacts on human health in the Arctic owing to climate-induced changes in contaminant cycling – The EU ArcRisk project policy outcome, *Environmental Science and Policy*, 50, 200-2013.
93. Cousins, I.T. (2015) Per- and polyfluorinated alkyl substances in materials, humans and the environment. *Chemosphere*, 50, 1-3. DOI: 10.1016/j.chemosphere.2014.08.036.
94. Wong, F., MacLeod, M., Mueller, J.F., Cousins, I.T. (2015) Response to Comment on “Enhanced Elimination of Perfluorooctane Sulfonic Acid by Menstruating Women: Evidence from Population-based Pharmacokinetic Modeling". *Environ. Sci. Technol*., 49, 5838-5839. DOI: 10.1021/acs.est.5b00981.
95. Yan, H., Cousins, I.T., Zhang, C., Zhou, Q. (2015) Perfluoroalkyl acids in municipal landfill leachates from China: Occurrence, fate during leachate treatment and potential impact on groundwater, *Sci. Total Environ*., 524-525, 23-31.
96. Liagkouridis, I., Cousins, A.P., Cousins, I.T. (2015) Physical–chemical properties and evaluative fate modelling of ‘emerging’ and ‘novel’ brominated and organophosphorus flame retardants in the indoor and outdoor environment. *Sci. Total Environ*., 524-525, 416-426.
97. Blum, A., Balan, S.A., Scheringer, M., Goldenman, G., Trier, X., Cousins, I.T., et al. (2015) Madrid Statement on Poly- and Perfluoroalkyl Substances (PFAS), *Environ. Health Perspect*., 123, A107-A111.
98. Cousins, I.T., Balan, S.A., Scheringer, M., Weber, R., Wang, Z., Blum, A., Diamond, M., Fletcher, T.,

Goldenman, G., Higgins, C., Lindeman, A.E., Peaslee, G., Trier, X., de Voogt, P. (2015) Comment on "Fluorotechnology Is Critical to Modern Life: The FluoroCouncil Counterpoint to the Madrid Statement". *Environ. Health Perspect*., 123, A170-A170.

99. Lindim, C., van Gils, J., Cousins, I.T. (2015) Estimating emissions of PFOS and PFOA to the Danube River catchment and evaluating them using a catchment-scale chemical transport and fate model. *Environ. Pollut*., 207, 97-106.
100. Lindim, C., van Gils, J., Cousins, I.T. (2016) A large-scale model for simulating the fate & transport of organic contaminants in river basins. *Chemosphere*, 144, 803-810.
101. Löfstedt Gilljam, J., Leonel, J., Cousins, I.T., Benskin, J.P. (2016) Is Ongoing Sulfluramid Use in South America a Significant Source of Perfluorooctanesulfonate (PFOS)? Production Inventories, Environmental Fate, and Local Occurrence. *Environ. Sci. Technol*., 50, 653-659.
102. Bui, T.T., Giovanoulis, G., Palm Cousins, A. Magnér, J., Cousins, I.T., de Wit, C.A. (2016) Human exposure, hazard and risk of alternative plasticizers to phthalate esters. *Sci. Total Environ*., 541, 451-67. **Web of Science Highly Cited Paper.**
103. Papadopoulou, E., Padilla-Sanchez, J.A., Collins, C.D., Cousins, I.T., et al. (2016) Sampling strategy for estimating human exposure pathways to consumer chemicals. *Emerg. Contam.,* 2, 26-36.
104. Wang, Z., Cousins, I.T., Berger, U., Hungerbühler, K., Scheringer, M. (2016) Comparative assessment of the environmental hazards of and exposure to perfluoroalkyl phosphonic and phosphinic acids (PFPAs and PFPiAs): Current knowledge, gaps, challenges and research needs. *Environ. Int*. 89/90, 235-247.
105. Gilljam, J.L., Leonel, L., Cousins, I.T., Benskin, J.P. (2016) Additions and Correction to Is Ongoing Sulfluramid Use in South America a Significant Source of Perfluorooctanesulfonate (PFOS)? Production Inventories, Environmental Fate, And Local Occurrence. *Environ. Sci. Technol*., 50, 7930-7933.
106. Lindim, C., van Gils, J., Georgieva, D., Mekenyan, O., Cousins, I.T. (2016) Evaluation of human pharmaceutical emissions and concentrations in Swedish river basins. *Sci. Total Environ*., 572, 508-519.
107. Lindim, C., van Gils, J., Cousins, I.T. (2016) Europe-wide estuarine export and surface water concentrations of PFOS and PFOA. *Water Res*., 103, 124-132.
108. Cousins, I.T., Vestergren, R., Wang, Z., Scheringer, M., McLachlan, M.S. (2016) The precautionary principle and chemicals management: The example of perfluoroalkyl acids in groundwater. *Environ Int*, 94, 331-340.
109. Holmquist, H., Schellenberger, S., van der Veen, I., Peters, G.M., Leonards, P.E.G., Cousins, I.T. (2016) Properties, performance and associated hazards of state-of-the-art durable water repellent (DWR) chemistry for textile finishing. *Environ Int*, 91, 251-264.
110. Gomis, M.I., Vestergren, R., Nilsson, H., Cousins, I.T. (2016) Contribution of direct and indirect exposure to human serum concentrations of PFOA in an occupationally exposed group of ski waxers. *Environ. Sci. Technol*., 50, 7037-7046.
111. Wang, T., Vestergren, R., Herzke, D., Yu, J., Cousins, I.T. (2016) Levels, Isomer Profiles, and Estimated Riverine Mass Discharges of Perfluoroalkyl Acids and Fluorinated Alternatives at the Mouths of Chinese Rivers. *Environ. Sci. Technol*., 50 (21), 11584-11592.
112. Liagkouridis, I., Cequier, E., Lazarov, B., Cousins, A.P., Thomsen, C., Stranger, M., Cousins, I.T. (2017) Relationships between estimated flame retardant emissions and levels in indoor air and house dust. *Indoor Air* 27 (3), 650-657.
113. Brack, W., Dulio, V., Ågerstrand, M., Allan, I., Altenburger, R., Brinkmann, M., Bunke, D., Burgess, R.M., Cousins, I.T., Escher, B.I., Hernández, F.J., Hewitt, L.M., Hilscherová, K., Hollender, J.l., Hollert, H., Kase, R., Klauer, B., Lindim, C., Herráez, D.L., Miège, C., Munthe, J., O'Toole, S., Posthuma, L., Rüdel, H., Schäfer, R.B., Sengl, M., Smedes, F., van de Meent, D., van den Brink, P.J., van Gils, J., van

Wezel, A.P., Vethaak, A.D., Vermeirssen, E.l., von der Ohe, P.C., Vrana, B. (2017) Towards the review of the European Union Water Framework management of chemical contamination in European surface water resources. *Sci. Total Environ*., 576, 720-737.

114. Lindim, C., van Gils, J., Cousins, I.T., Kühne, R., Georgieva, D., Kutsarova, S., Mekenyan, O. (2017) Model-predicted occurrence of multiple pharmaceuticals in Swedish surface waters and their flushing to the Baltic Sea. *Environ. Pollut*., 223, 595-604.
115. Wang, Z., DeWitt, J., Higgins, C.P., Cousins, I.T. (2017) A Never-Ending Story of Per- and Polyfluoroalkyl Substances (PFAS)? *Environ. Sci. Technol*., 51, 2508-2518. **Web of Science Hot Paper and Highly Cited Paper.**
116. Bui, T.T., Alves, A., Palm-Cousins, A., Voorspoels, S., Covaci, A., Cousins, I.T. (2017) Estimating uptake of phthalate ester metabolites into the human nail plate using pharmacokinetic modelling. *Environ. Int.*, 100, 148-155.
117. Winkens, K., Koponen, J., Schuster, J., Shoeib, M., Vestergren, R., Berger, U., Karvonen, A.M., Pekkanen, J., Kiviranta, H., Cousins, I.T. (2017) Perfluoroalkyl acids and their precursors in indoor air sampled in children's bedrooms. *Environ. Pollut*., 222, 423-432.
118. Papadopoulou, E., Poothong, S., Koekkoek, J., Lucattini, L., Padilla-Sánchez, J.A., Haugen M., Herzke, D., Valdersnes, S., Maage, A., Cousins, I.T., Leonards, P.E.G., Småstuen Haug, L. (2017) Estimating human exposure to perfluoroalkyl acids via solid food and drinks: Implementation and comparison of different dietary assessment methods. *Environ. Res*., 158, 269-276.
119. Johansson, J.H., Berger, U., Cousins, I.T. (2017) Can the use of deactivated glass fibre filters eliminate sorption artefacts associated with active air sampling of perfluorooctanoic acid? *Environ. Pollut*., 224, 779-786.
120. Johansson, J.H., Yan, H., Berger, U., Cousins, I.T. (2017) Water-to-air transfer of branched and linear PFOA: Influence of pH, concentration and water type. *Emerg. Contam*., 3 (1), 46-53.
121. Bui, T.T., Xu, F., Van den Eede, N., Palm Cousins, A., Covaci, A., Cousins, I.T. (2017) Probing the relationship between external and internal human exposure of organophosphate flame retardants using pharmacokinetic modelling. *Environ. Pollut*., 230, 550-560.
122. Wang, Z., Boucher, J.M., Scheringer, M., Cousins, I.T., Hungerbuehler, K. (2017) Toward a comprehensive global emission inventory of C4–C10 perfluoroalkane sulfonic acids (PFSAs) and related precursors: focus on the life cycle of C8-based products and ongoing industrial transition. *Environ. Sci. Technol*., 18 (51), 4482-4493.
123. Gomis, M.I., Vestergren, R., MacLeod, M., Mueller, J.F., Cousins, I.T. (2017) Historical human exposure to perfluoroalkyl acids in the United States and Australia reconstructed from biomonitoring data using population-based pharmacokinetic modelling. *Environ Int*, 108, 92-102.
124. Winkens, K., Vestergren, R., Berger, U., Cousins, I.T. (2017) Early life exposure to per- and polyfluoroalkyl substances (PFAS): A critical review. *Emerg. Contam*, 3, 55-68. **Paper selected among Highlights of the Year.**
125. Liagkouridis, I., Lazarov, B., Giovanoulis, G., Cousins, I.T. (2017) Mass transfer of an organophosphate flame retardant between product source and dust in direct contact. *Emerg. Contam*., 3, 115-120.
126. Schellenberger, S., Gillgard, P., Stare, A., Hanning, A., Levenstamc, O., Roos, R., Cousins, I.T. (2018) Facing the rain after the phase out: Performance evaluation of alternative fluorinated and non-fluorinated durable water repellents for outdoor fabrics. *Chemosphere*, 193, 675-684.
127. Giovanoulis, G., Bui, T., Xu, F., Papadopoulou, E., Padilla-Sanchez, J.A., Covaci, A., Haug, L.S., Cousins, A.P., Magnér, J., Cousins, I.T., de Wit, C.A. (2018) Multi-pathway human exposure assessment of phthalate esters and DINCH. *Environ. Int*. 112, 115-126. **Web of Science Hot Paper and Highly Cited Paper.**
128. Land, M., de Wit, C.A., Bignert, A., Cousins, I.T., Herzke, D., Johansson J.H., Martin, J.W. (2018) What

is the effect of phasing out long-chain per- and polyfluoroalkyl substances on the concentrations of perfluoroalkyl acids and their precursors in the environment? A systematic review. *Environmental Evidence*, 7:4, 1-32.

129. Gomis, M.I., Vestergren, R., Borg, D., Cousins, I.T. (2018) Comparing the toxic potency in vivo of long-chain perfluoroalkyl acids and fluorinated alternatives. *Environ Int*, 113, 1-9. **Web of Science Hot Paper and Highly Cited Paper.**
130. Wang, Z., DeWitt, J., Higgins, C.P., Cousins, I.T. (2018) Correction to "A Never-Ending Story of Per- and Polyfluoroalkyl Substances (PFAS)?" *Environ. Sci. Technol*., 52, 5, 3325-3325.
131. Meng, P., Deng, D., Maimaiti, A., Wang, B., Huang, J., Wang, Y., Cousins, I.T., Yu, G. (2018) Efficient removal of perfluorooctane sulfonate from aqueous film-forming foam solution by aeration-foam collection. *Chemosphere*, 203, 263-270.
132. Johansson, J.H., Shi, Y., Salter, M., Cousins, I.T. (2018) Spatial variation in the atmospheric deposition of perfluoroalkyl acids: source elucidation through analysis of isomer patterns. *Environ. Sci. Proc*. *Imp.* 20, 997-1006. **Selected as one the Best Papers in ESPI in 2018.**
133. Winkens, K., Giovanoulisa, G., Koponen, J., Vestergren, R., Berger, U., Karvonenc, A.M., Pekkanen, J., Kivirantac, H., Cousins, I.T. (2018) Perfluoroalkyl acids and their precursors in floor dust of children's bedrooms – Implications for indoor exposure. *Environ. Int*. 119:493-502.
134. Carlsson, P., Breivik, K., Brorström-Lundén, E., Cousins, I.T., Jesper Christensen, I.T., Grimalt, J.O., Halsall, C., Kallenborn, R., Abass, K., Lammel, G., Munthe, J., MacLeod, M., Øyvind Odland, J., Pawlak, J., Rautio, A., Reiersen, L-O., Schlabach, M., Stemmler, I., Wilson, S., Wöhrnschimmel, H. (2018) Polychlorinated biphenyls (PCBs) as sentinels for the elucidation of Arctic environmental change processes: A comprehensive review of combined with the ArcRisk project results. *Environ. Sci. Pollut. Res*., 25 (23) (22499-22528).
135. Ritscher, A., Wang, Z., Scheringer, M., Boucher, J.M., Ahrens, L., Berger, U., Bintein, S., Bopp, S.K., Borg, D., Buser, A.M., Cousins, I.T., DeWitt, J., Fletcher, T., Green, C., Herzke, D., Higgins, C., Huang, J., Hung, H., Knepper, T., Lau, C.S., Leinala, E., Lindstrom, A.B., Liu, J., Miller, M., Ohno, K., Perkola, N., Shi, Y., Haug, L.S., Trier, X., Valsecchi, S., van der Jagt, K., Vierke, L. (2018) Zürich Statement on Future Actions on Per-and Polyfluoroalkyl Substances (PFAS). *Environ. Health Perspect*., 126, 8, 084502-1-084502-5.
136. Koponen, K., Winkens, K., Airaksinen, R., Berger, U., Vestergren, R., Cousins, I.T., Karvonen, A., Pekkanen, J., Kiviranta, H. (2018) Longitudinal trends of per- and polyfluoroalkyl substances in children's serum. *Environ. Int*., 121, 591-599.
137. Boucher, J.M., Cousins, I.T., Scheringer, M., Hungerbuehler, K., Wang, Z. (2019) Toward a Comprehensive Global Emission Inventory of C4–C10 Perfluoroalkanesulfonic Acids (PFSAs) and Related Precursors: Focus on the Life Cycle of C6- and C10-based Products. *Environ. Sci. Technol. Lett*., 6 (1), 1-7. **Selected as "ACS Editor's Choice".**
138. Lindim, C., de Zwart, D., Cousins, I.T., Kutsarova, S., Kühne, R., Schüürmann, G. (2019) Exposure and ecotoxicological risk assessment of mixtures of top prescribed pharmaceuticals in Swedish freshwaters. *Chemosphere*, 220, 344-352.
139. Schellenberger, S., Hill, P.J., Levenstam, O., Gillgard P., Cousins, I.T., Taylor, M., Blackburn, R.S. (2019) Highly fluorinated chemicals in functional textiles can be replaced by re-evaluating liquid repellency and end-user requirements. *J. Clean. Prod*., 217, 134-143.
140. Johansson, J.H., Salter, M.E., Navarro, J-C.A., Leck, C., Nilsson, E.D., Cousins, I.T. (2019) Global transport of perfluoroalkyl acids via sea spray aerosol. *Environ. Sci. Proc. Imp*., 21 (4), 635-649. **Overall Best Paper 2019 in the three sister journals, ESPI, ESWRT and ESN, and Overall Best Paper in the journal ESPI.**
141. Cousins, I.T., Ng, C., Wang, Z., Scheringer, M. (2019) Why is High Persistence Alone a Major Cause of Concern? *Environ. Sci.: Processes Impacts*, 21 (5), 781-792. **Best Review Paper 2019 in the journal**

ESPI.

142. Cousins, I.T., Ng, C., Wang, Z., Scheringer, M. (2019) Correction: Why is High Persistence Alone a Major Cause of Concern? *Environ. Sci.: Processes Impacts*, 21 (5), 904.
143. Cousins, I.T., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Vierke, L., Wang, Z., DeWitt, J.C. (2019) The concept of essential use for determining when uses of PFASs can be phased out. *Environ. Sci.: Processes Impacts*, 21 (11), 1803-1815. **Selected as one of the best papers in the journal ESPI in 2019.**
144. Balk, F.G.P., Winkens Pütz, K., Ribbenstedt, A., Gomis, M.I., Filipovic, M., Cousins, I.T. (2019) Children's exposure to perfluoroalkyl acids – a modelling approach. *Environ. Sci.: Processes Impacts*, 21 (11), 1875-1886. **Selected as one of the best papers in the journal ESPI in 2019.**
145. Brack, W., Ait-Aissa, S., Altenburger, R., Cousins, I.T., Dulio, V., Escher, B., Focks, A., Ginebreda, A., Hering, D., Hilscherová, K., Hollender, J., Hollert, H., Kortenkamp, A., López de Alda, M., Posthuma, L., Schymanski, E., Segner, H., Slobodnik, J. (2019) Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. *Environ Sci Eur*, 31 (47), 1-3.
146. Fang, S., Li, C., Zhu, L., Yin, H., Yang, Y., Ye, Z., Cousins, I.T. (2019) Spatiotemporal distribution and isomer profiles of perfluoroalkyl acids in airborne particulate matter in Chengdu City, China. *Sci. Total Environ*., 689, 1235-1243.
147. Brack, W., Ait-Aissa, S., Backhaus, T., Birk, S., Barceló, D., Burgess, R., Cousins, I.T., Dulio, V., Escher, B.I., Focks, A., van Gils, J., Ginebreda, A., Hering, D., Hewitt, L.M., Hilscherová, K., Hollender, J., Hollert, H., Köck, M., Kortenkamp, A., de Alda, M.L., Müller, C., Posthuma, L., Schüürmann, G., Schymanski, E., Segner, H., Sleeuwaert, F., Slobodnik, J., Teodorovic, I., Umbuzeiro, G., Voulvoulis, N., van Wezel, A., Altenburger, R. (2019) Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. *Environ Sci Eur*, 31 (63), 1-6.
148. van Gils, J., Posthuma, L., Cousins, I.T., Lindim, C., de Zwart, D., Bunke, D., Kutsarova, S., Müller, C., Munthe, J., Slobodnik J., Brack, W. (2019) The European Collaborative Project SOLUTIONS developed models to provide diagnostic and prognostic capacity and fill data gaps for chemicals of emerging concern. *Environ Sci Eur*, 31 (72), 1-8.
149. Sha, B., Schymanski, E.L., Ruttkies, C., Cousins, I.T., Wang, Z. (2019) Exploring Open Cheminformatics Approaches for Categorizing Per- and Polyfluoroalkyl Substances (PFASs) *Environ. Sci.-Process Impacts*, 21 (11), 1835-1851.
150. Ahrens, L., Benskin, J.P., Cousins, I.T., Crimi, M., Higgins, C.P. (2019) Themed issues on per- and polyfluoroalkyl substances. *Environ. Sci. Water Res. Technol*, 5 (11), 1808-1813.
151. Ahrens, L., Benskin, J.P., Cousins, I.T., Crimi, M., Higgins, C.P. (2019) Themed issues on per- and polyfluoroalkyl substances. *Environ. Sci. Processes Impacts*, 21 (11), 1797-1802.
152. Schellenberger, S., Jonsson, C., Mellin, P., Levenstam, O., Liagkouridis, I., Ribbenstedt, A., Hanning, A.-C., Schultes, L., Plassmann, M.M., Persson, C., Cousins, I.T., Benskin, J.P. (2019) Release of side-chain fluorinated polymer-containing microplastic fibers from functional textiles during washing and first estimates of perfluoroalkyl acid emissions. *Environ Sci Technol*, 53, 14329-14338.
153. Holmquist, H., Schellenberger, S., van der Veen, I., Peters, G.M., Leonards, P.E.G., Cousins, I.T. (2020) Corrigendum to "Properties, performance and associated hazards of state-of-the-art durable water repellent (DWR) chemistry for textile finishing" [Environ. Int. 91 (2016) 251-264]. *Environ Int*, 134, 105289-105289.
154. Meng, P., Jiang, X., Wang, B., Huang, J., Wang, Y., Yu, G., Cousins, I.T., Deng, S. (2020) Role of the air-water interface in removing perfluoroalkyl acids from drinking water by activated carbon treatment. *J Haz Mat*, 386, 121981.
155. Fang, S., Sha, B., Yin, H., Biana, Y., Yuan, Bo., Cousins, I.T. (2020) Environment occurrence of perfluoroalkyl acids and associated human health risks near a major fluorochemical manufacturing

park in southwest of China. *J Haz Mat*, 386, 122617.

156. van Gils, J., Posthuma, L., Cousins, I.T., Brack, W., Altenburger R., , Baveco, H., Focks, A., Greskowiak, J., Kühne, R., Kutsarova, S., Lindim, C., Markus, A., van de Meent, D., Munthe, J., Schueder, J., Schüürmann, G., Slobodnikm, J., de Zwartj, D., van Wezel A. (2020) Computational material flow analysis for thousands of chemicals of emerging concern in European waters. *J Haz Mat*, 397, 122655.
157. Holmquist, H., Fantke, P., Cousins, I.T., Owsianiak, M., Liagkouridis, L., Peters, G.M. (2020) An (Eco)Toxicity Life Cycle Impact Assessment Framework for Per- And Polyfluoroalkyl Substances. *Environ Sci Technol*, 54, 10, 6224–6234.
158. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Scheringer, M., Vierke, L., Wang, Z. (2020) Strategies for grouping per- and polyfluoroalkyl substances (PFAS) to protect human and environmental health. *Environ Sci-Process Impacts*, 22, 1444-1460.
159. Naidu, R., Nadebaum, P., Fang, C., Cousins, I.T., Pennel, K., Conder, J., Newell, C.J., Longpré, D., Warner, S., Crosbie, N.D., Surapaneni, A., Bekele, D., Spiese, R., Bradshaw, T., Slee, D., Liu, Y., Qi, F., Mallavarapu, M., Duan, L., McLeod, L., Bowman, M., Richmond, B., Srivastava, P., Chadalavada, S., Umeh, A., Biswas, B., Barclay, A., Simon, J., Nathanail, P. (2020) Per- and poly-fluoroalkyl substances (PFAS) current status and research needs. *Environ Technol Inno*, 19, 100915, 1-18.
160. Giovanoulis, G., Bui, T., Fuchao, X., Papadopoulou E., Padilla-Sanchez, J.A., Covaci, A., Haug, L.S., Palm Cousins, A., Magnér, J., Cousins, I.T., de Wit, C.A. (2020) Corrigendum to "Multi-pathway human exposure assessment of phthalate esters and DINCH" [Environ. Int. 112 (2018) 115–126], *Environ Int*, 143, 106071.
161. Holmquist, H., Fantke, P., Cousins, I.T., Owsianiak, M., Liagkouridis, I., Peters, G.M. (2020) Correction to "An (Eco)Toxicity Life Cycle Impact Assessment Framework for Per- And Polyfluoroalkyl Substances". *Environ Sci Technol*, 54, 18, 11640.
162. Fang, S., Plassmann, M.M.: Cousins, I.T. (2020) Levels of per- and polyfluoroalkyl substances (PFAS) in ski wax products on the market in 2019 indicate no changes in formulation. *Environ Sci-Process Impacts,* 22, 2142-2146.
163. Lohmann, R., Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lindstrom, A.B., Miller, M.F., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Wang, Z. (2020) Are Fluoropolymers Really of Low Concern for Human and Environmental Health and Separate from Other PFAS? *Environ Sci Technol*, 54, 20, 12820–12828. **One of the most read/downloaded papers in the journal *Environ Sci Technol*.**
164. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Ng, C.A., Scheringer, M., Wang, Z. (2020) The High Persistence of PFAS is Sufficient for their Management as a Chemical Class. *Environ Sci-Process Impacts*, 22, 2307 - 2312. **Selected as one of the best papers in ESPI in 2020. Web of Science Highly Cited Paper.**
165. Glüge, J., Scheringer, M., Cousins, I.T., DeWitt, J.C., Goldenman, G., Herzke, D., Lohmann, R., Ng, C.A., Trier, X., Wang, Z. (2020) An overview of the uses of per- and polyfluoroalkyl substances (PFAS). *Environ Sci-Process Impacts,* 22, 2345-2373. **Selected as one of the best papers in ESPI in 2020. Web of Science Hot Paper and Highly Cited Paper.**
166. Umeh, A., Naidu, R., Shilpi, S., Boateng, E., Rahman, Md. A., Cousins, I.T., Chadalavada, S., Lamb, D., Bowman, M. (2021) Sorption of PFOS in 114 Well-characterized Tropical and Temperate Soils: Application of Multivariate and Artificial Neural Network Analyses. *Environ Sci Technol*, 55, 3, 1779–1789.
167. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Vierke, L., Wang, Z., DeWitt, J.C. (2021) Finding essentiality feasible: common questions and misinterpretations concerning the "essential-use" concept. *Environ Sci-Process Impacts*, 23, 1079-1087. **Selected as one of the best papers in ESPI in 2021.**

168. Sha, B., Johansson, J.H., Benskin, J.P., Cousins, I.T., Salter, M.E. (2021) The influence of water concentrations of perfluoroalkyl acids (PFAAs) on their size-resolved enrichment in nascent sea spray aerosols. *Environ Sci Technol*, 55, 14, 9489–9497.
169. Johnson, M.S.., Buck, R.C., Cousins, I.T., Fenton, S., Weis, C. (2021) Estimating environmental hazard and risks from exposure to per-and polyfluoroalkyl substances (PFAS): Outcome of a SETAC focused topic meeting. *Environ Toxicol Chem*, 40 (3), 543-549.
170. Guelfo, J.L., Korzeniowski, S., Mills, M.A., Anderson, J., Anderson, R.H., Arblaster, J.A., Conder, J.M., Cousins, I.T., Dasu, K., Henry, B.J., Lee, L.S., Liu, J., McKenzie, E.R., Willey J. (2021) Environmental Sources, Chemistry, Fate and Transport of Per- and Polyfluoroalkyl Substances: State of the Science, Key Knowledge Gaps, and Recommendations Presented at the August 2019 SETAC Focus Topic Meeting. *Environ. Toxicol. Chem*., 40, 12, 3234-3260.
171. Ng, C.A., Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Patton, S., Scheringer, M., Trier, X., Vierke, L., Wang, Z. (2021) Addressing Urgent Questions for PFAS in the 21st Century. *Environ. Sci. Technol*., 55, 19, 12755–12765. **Best Feature Article in Environ. Sci. Technol. in 2021.**
172. Li, X., Cousins, I.T., Hornbuckle, K. (2021) Editorial: ACS Environmental Au – Your Open Access Journal for Premier Environmental Research. *Environ. Au*, 1, 1, 1–3.
173. Wang, Z., Buser, A.M., Cousins, I.T., Demattio, S., Drost, W., Johansson, O., Ohno, K., Patlewicz, G., Richard, A.M, Walker, G.W., White, G.S., Leinala, E. (2021) New OECD Definition for Per- and Polyfluoroalkyl Substances. *Environ. Sci. Technol.*, 55, 23, 15575–15578. **Among the most read/downloaded articles in Environ. Sci. Technol.**
174. Liagkouridis, I., Awad, R., Schellenberger, S., Plassmann, M., Cousins, I.T., Benskin, J.P. (2022) Combined use of total fluorine and oxidative fingerprinting for quantitative determination of side-chain fluorinated polymers in textiles. *Environ. Sci. Technol. Lett*., 9, 1, 30–36.
175. Sha, B., Johansson, J.H., Tunved, P., Bohlin-Nizzetto, P., Cousins, I.T., Salter, M.E. (2022) Sea Spray Aerosol (SSA) as a Source of Perfluoroalkyl Acids (PFAAs) to the Atmosphere: Field Evidence from Long-Term Air Monitoring. *Environ. Sci. Technol*., 56, 1, 228-238.
176. Schellenberger, S., Liagkouridis, I., Awad, R., Khan, S., Plassmann, M., Peters, G., Benskin, J.P., Cousins, I.T. (2022) An outdoor aging study to investigate the release of per- and polyfluoroalkyl substances (PFAS) from functional textiles. *Environ. Sci. Technol*., 56, 6, 3471-3479.
177. Glüge, J., London, R., Cousins, I.T., DeWitt, J.C., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Trier, X., Vierke, L., Wang, Z., Scheringer, M. (2022) Information requirements under the essential-use concept: PFAS case studies. *Environ. Sci. Technol*., 56, 10, 6232-6242.
178. Ruan, T., Field, J., Cousins, I.T., Lohmann, R., Jiang, G. (2022) Emerging Contaminants: Fluorinated Alternatives to Existing PFAS. *Environ. Sci. Technol*., 56, 10, 6001-6003.
179. Roy, M.A., Cousins, I.T., Harriman, E., Scheringer, M., Tickner, J.A., Wang, Z. (2022) Combined Application of the Essential-Use and Functional Substitution Concepts: Accelerating Safer Alternatives. *Environ. Sci. Technol*., 56, 14, 9842-9846.
180. Pistocchi, A., Alygizakisj, N.A., Brack, W., Boxall, A., Cousins, I.T., Drewes, J.E., Finckh. S., Gallé, T., Launay, M.A., McLachlan, M.S., Petrovic, M., Schulze, T., Slobodnik, J., Ternes, T., Van Wezel, A., Verlicchi, P., Whalley, C. (2022) European scale assessment of the potential of ozonation and activated carbon treatment to reduce micropollutant emissions with wastewater. *Sci. Total Environ*., 848, 157124.
181. Cousins, I.T., Johansson, J.H., Salter, M.E., Sha, B., Scheringer, M. (2022) Outside the Safe Operating Space of a New Planetary Boundary for Per- and Polyfluoroalkyl Substances (PFAS). *Environ. Sci. Technol.*, 56, 16. 11172–11179**. #1 most read/downloaded paper in the history of the journal. Web of Science Hot Paper and Highly Cited Paper. Best Perspective Article in ES&T in 2022.**
182. Anderson, J.K., Brecher, R.W., Cousins, I.T., DeWitt, J., Fiedler, H.5., Kannan, K., Kirman, C.R.,

Lipscomb, J.8., Priestly, B., Schoeny. R., Seed, J., Verner, M., Hays, S.M. (2022) Grouping of PFAS for Human Health Risk Assessment: Findings from an Independent Panel of Experts. *Reg. Toxicol. Pharmacol*., 134, 105226.

183. Radoman, N., Christiansen, S., Johansson, J.H.., Hawkes, J.A., Bilde, M., Cousins, I.T., Salter, M.E. (2022) Probing the impact of a phytoplankton bloom on the chemistry of nascent sea spray aerosol using high-resolution mass spectrometry. *Environ. Sci.: Atmos*., 2, 1152-1169.
184. Praetorius, A., Cousins, I.T. (2022) How to improve the reach of your open access research. *Environ Au*, 2, 5, 373–375.
185. Scheringer, M., Johansson, J.H., Salter, M.E., Sha, B., Cousins, I.T. (2022) Stories of global chemical pollution – will we ever understand persistence? *Environ. Sci. Technol.*, 56, 24, 17498–17501.
186. Li, X., Cousins, I.T., Hornbuckle, K. (2023) ACS Environmental Au recognizes 2022 Rising Stars in Environmental Research. *Environ. Au*, 3, 1, 1–4.
187. Figuière, R., Borchert, F., Cousins, I.T., Ågerstrand, M. (2023) The essential-use concept: a valuable tool to guide decision-making on applications for authorisation under REACH? *Environ. Sci. Eur.*, 35, 5, 1–12.
188. Roy, M.A., Cousins, I.T., Harriman, E., Scheringer, M., Tickner, J.A., Wang, Z. (2023) Correction to "Combined Application of the Essential-Use and Functional Substitution Concepts: Accelerating Safer Alternatives". *Environ. Sci. Technol.*, 57, 5, 2197.
189. Li, X., Cousins, I.T., Hornbuckle, K. (2023) ACS Environmental Au Best Paper Awards 2021-2022. *Environ. Au*, 3, 2, 56–57.
190. Savvidou, E., Sha, B., Salter, M.E., Cousins, I.T., Johansson, J.H. (2023) Horizontal and vertical distribution of perfluoroalkyl acids (PFAAs) in the water column of the Atlantic Ocean. *Environ. Sci. Technol. Lett.*, 10, 5, 418–424. **One of the most read papers in ES&T Letters.**
191. Rensmo, A., Savvidou, E., Cousins, I.T., Hu, X., Schellenberger, S., Benskin, J.P. (2023) Lithium-Ion Battery Recycling: a source of per- and polyfluoroalkyl substances (PFAS) to the environment? *Environ. Sci.: Processes Impacts*, 25, 1015-1030. **Overall Best Paper in the journal ESPI in 2023. One of the most cited papers of 2023.**
192. van Dijk, J., Figuière, R., Dekker, S.C., van Wezel, A.P., Cousins, I.T. (2023) Managing PMT/vPvM Substances in Consumer Products through the Concepts of Essential-use and Functional Substitution: a Case-Study for Cosmetics. *Environ. Sci.: Processes Impacts*, 25, 1067-1081.
193. Schäffer, A., Groh, K.J., Sigmund, G., Azoulay, D., Backhaus, T., Bertram, M.J., Carney Almroth, B., Cousins, I.T., Ford, A.T., Grimalt, J.O., Guida, Y., Hansson, M.C., Jeong, Y., Lohmann, R., Michaels, D., Müller, L., Muncke, J., Öberg, G., Orellana, M.A., Sanganyado, E., Schäfer R.B., Sheriff, I., Sullivan, R.C. Sullivan, Suzuki, N., Vandenberg, L.N., Venier, M., Vlahos, P., Wagner, M., Wang, F., Wang, M., Soehl, A., Ågerstrand, M., Diamond, M.L., Scheringer, M. (2023) Conflicts of Interest in the Assessment of Chemicals, Waste and Pollution. *Environ. Sci. Technol*., 57, 48, 19066− 19077. **#1 most read/downloaded paper in the journal. Best Perspective Article in ES&T in 2023.**
194. Arp, H.P.H., Wolf, R., Hale, S.E., Baskaran, S., Glüge, J., Scheringer, M., Trier, X., Cousins, I.T., Timmer, H., Hofman-Caris, R., Lennquist, A., Bannink, A.D., Stroomberg, G.J., Sjerps, R.M.A., Montes, R., Rodil, R., Quintana J.B, Zahn, D., Gallard, H., Mohr, T., Schliebner, I., Neumann, M. (2024) Letter to the editor regarding Collard et al. 2023: "Persistence and Mobility (defined as organic-carbon partitioning) do not correlate to the detection of substances found in surface and groundwater: Criticism of the regulatory concept of persistent and mobile substances". *Sci. Total Environ.*, 906, 165927.
195. Skedung, L., Savvidou, E., Schellenberger, S., Reimann, A., Cousins, I.T., Benskin, J.P. (2024) Identification and quantification of fluorinated polymers in consumer products by combustion ion chromatography and pyrolysis-gas chromatography-mass spectrometry. *Environ. Sci.: Process Impacts*, 26, 82-93. **Classified as a HOT Article by the journal ESPI due to high scores during peer**

review.

196. Dalmijn, J., Glüge, J., Scheringer, M., Cousins, I.T. (2024) Emission inventory of PFAS and other fluorinated organic substances for the fluoropolymer production industry in Europe. *Environ. Sci.: Process Impacts*, 26, 269-287. **Classified as a HOT Article by the journal ESPI due to high scores during peer review. Selected as one of the Highlights of the Year by the journal, ESPI.**
197. Cousins, I.T., Hornbuckle, K., Li, X. (2024) ACS Environmental Au Recognizes 2023 Rising Stars in Environmental Research. *Environ. Au*, 4, 2, 51–53.
198. Sha, B., Johansson, J.H., Salter, M.E., Blichner, S.M., Cousins, I.T. (2024) Constraining global transport of perfluoroalkyl acids on sea spray aerosol using field measurements. *Sci. Adv.*, 10, 14, eadl1026.
199. Cordner, A., Brown, P., Cousins, I.T., Martinon, L., Dagorn, G., Aubert, R., Hosea, L., Salvidge, R., Felke, C., Tausche, N., Drepper, D., Liva, G., Tudela, A., Delgado, A., Salvatore, D., Pilz, S., Horel, S. (2024) PFAS Contamination in Europe: Generating knowledge and mapping known PFAS users with 'peer reviewed' journalism. *Environ. Sci. Technol.*, 58, 15, 6616–6627. **Stéphane Horel won the Science Journalist of the Year prize in France and the European Science Journalist of the Year Award for this work on The Forever Pollution Project, which was also published in Le Monde and several other international newspapers. The Forever Pollution Project was also shortlisted with 9 other cross-border investigations for the #IJ4EU Impact Award 2024, the European award for collaborative journalism, but did not win.**
200. Scheringer, M., Cousins, I.T., Goldenman, G. (2024) Is a seismic shift in the landscape of PFAS uses occurring? *Environ. Sci. Technol*., 58, 16, 6843–6845. **Among the most read articles in ES&T.**
201. Bowles, K.C., Anderson, J.K., Anderson, R., Bani B., Barnes, C.M., Brusseau, M., Cousins, I.T., Cushing, P., DiGuiseppi, B., Gray, B., Higgins, C.P., Mueller, J., Ross, I., Thomas, S., Thrasher, J., Tremblay, C. (2024) Implications of grouping per- and polyfluoroalkyl substances for contaminated site regulation. *Remediation*, 34, 3, e21783.
202. Sha, B., Ungerovich, E., Salter, M.E., Cousins, I.T., Johansson, J.H. (2024) Enrichment of perfluoroalkyl acids on sea spray aerosol in laboratory experiments: results on the role of dissolved organic matter, air entrainment rate and inorganic ion composition. *Environ. Sci. Technol. Lett*., 11, 7, 746–751.
203. DeWitt, J.C., Glüge, J., Cousins, I.T., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Trier, X., Vierke, L., Wang, Z., Adu-Kumi, S., Balan, S., Buser, A.M., Fletcher, T., Smastuen Haug, L., Heggelund, A., Huang, J., Kaserzon, S., Leonel, J., Sheriff, I., Shi, Y., Valsecchi, S., Scheringer, M. (2024) Zürich II Statement on per- and polyfluoroalkyl substances (PFAS): Scientific and regulatory needs. *Environ. Sci. Technol. Lett.,* 11, 786-797. **Among the most read articles in ES&T Letters.**
204. Vestergren, R., Appelblom, A., Bălan, S.A., Brandsma, S.H., Bruton, T.A., Cousins, I.T., Gauthier, J.R., Heggelund, A., Ivarsson, J., Kärrman, A., Melymuk, L., Olisah, C., Rosen, A., Savvidou, E.K., Schellenberger, S., Skedung, L., Talasniemi, P., Wickman, T., Zweigle, J., Zwiener, C., Benskin, J.P. (2024) A Systematic Workflow for Compliance Testing of Emerging International Classwide Restrictions on PFAS. *Environ. Sci. Technol.*, 58, 34, 14968–14972. **Among the most read articles in ES&T.**
205. Glüge, J., Breuer, K, Armin Hafner, Vering, C., Müller, D., Cousins, I.T., Lohmann, R. Goldenman, G., Scheringer M. (2024) Finding non-fluorinated alternatives to fluorinated gases as refrigerants. *Environ. Sci.: Process Impacts*, 26, 1955-1974. **Selected as one of the Highlights of the Year by the journal, ESPI.**
206. Arp, H.P.H., Gredelj, A., Glüge, J., Scheringer, M., Cousins, I.T. (2024) The global threat from the irreversible accumulation of trifluoroacetic acid (TFA). *Environ. Sci. Technol*., 58, 45, 19925–19935. **#1 most read article in ES&T.**

207. Borchert, F., Figuière, R., Cousins, I.T., Rudén, C., Ågerstrand, M. (2024) Can the Essential Use Concept identify non-essential uses to phase out Substances of Very High Concern under REACH? *Front. Toxicol.*, 6:1488336.
208. Savvidou, E.K., Rensmo, A., Benskin, J.P., Schellenberger, S., Hu, X. Weil, M., Cousins, I.T. (2024) PFAS-Free Energy Storage: Investigating Alternatives for Lithium-Ion Batteries. *Environ. Sci. Technol.*, 58, 50, 21908–21917. **Among most read articles in ES&T.**
209. He, Z., Plassmann, M., Cousins, I.T., Benskin, J.P. (2025) A novel fluorine mass balance method for improved characterization and quantification of extractable (organo)fluorine in drinking water. *Environ. Sci. Technol. Lett.*, 12, 1, 73–78. **Among most read articles in ES&T Letters**
210. Gago-Ferrero, P., Cousins, I.T., Ghassabian, A., Lamoree, M., Schlenk, D., Toms, L.-M., Wang, B, Zimmerman, J. (2025) The exposome and human health. *Environ. Sci. Technol.*, 59, 2, 991–992.
211. Figuière, R., Savvidou, E.K.; Miaz, L.T., Cousins, I.T. (2025) An overview of potential alternatives for the multiple uses of per- and polyfluoroalkyl substances (PFAS) *Environ. Sci. Technol.* 59, 4, 2031–2042. **Selected as an "ACS Editor's Choice" article. Among the most read articles in ES&T.**
212. Li, X., Cousins, I.T., Hornbuckle, K. (2025) ACS Environmental Au Honors Rising Stars in Environmental Research in 2024. *Environ. Au*, 5, 2, 138–144.
213. He, Z., Plassmann, M., Cousins, I.T., Benskin, J.P. (2025) Correction to "A Novel Fluorine Mass Balance Method for Improved Characterization and Quantification of Extractable (Organo)fluorine in Drinking Water". *Environ. Sci. Technol. Lett.,* 12, 4, 467.
214. Sha, B., Dalmijn, J., Johansson, J.H., Salter, M.E., Cousins, I.T. (2025) Emission of Perfluoroalkyl Acids and Perfluoroalkyl Ether Carboxylic Acids to the Atmosphere from a Fluorochemical Industrial Park in China. *Environ. Sci. Technol.*, 59, 13, 6719–6728.
215. Zimmerman, J.B., Lowry, G., Rosario-Ortiz, F., Westerhoff, P., Alessi, D., Alvarez, P., Alexandra, B., Cousins, I.T., Dachs, J., Eckelman, E., El Haddad, I., Gago-Ferrero, P., Gardea-Torresdey, J., MacDonald Gibson, J., Hornbuckle, K., Hsu-Kim, H., Hollender, J., Ikeda, A., Leusch, F., Maurer-Jones, M., Mihelcic, J., Miller, S., Raskin, L., Ren, Z.J., Richardson, S., Schlenk, D., Shi, H., Tratnyek, P., Waite, D., Wang, S., Wang, Z., Wong, M., Yoon, S. (2025) Apolitical Science. *Environ. Sci. Technol*., 59, 13, 6355–6356. **Among the most read articles in ES&T.**
216. Dalmijn, J., Shafer, J., Benskin, J.P., Salter, M.E., Johansson, J.H., Cousins, I.T. (2025) HFPO-DA and other PFAS in air downwind of a fluoropolymer production plant in the Netherlands: measurements and modeling. *Environ. Sci. Technol*., 59, 17, 8662–8672.
217. Junker, A.J., Juve, J.-M.A., Bai, L., Skjold, C., Christensen, Q., Ahrens, L., Cousins, I.T., Ateiad, M., Wei, Z. (2025) Best Practices for Experimental Design, Testing and Reporting of Aqueous PFAS-Degrading Technologies. *Environ. Sci. Technol*., 59, 18, 8939–8950.
218. Figuière, R., Wang, Z., Glüge, J., Scheringer, M., Siegrist, A., Cousins, I.T. (2025) Data Requirements for Implementing the "Essential-Use" Concept in Chemical Legislation. *Environ. Sci. Technol*., 59, 22, 10770–10780.
219. Dalmijn, J., Benskin J.P., Salter, M.E., Sweetman, A.J., Halsall, C., Garnett, J., Cousins, I.T. (2025) Perfluoro(2-ethoxy-2-fluoroethoxy)-acetic acid (EEA) and other target and suspect PFAS in the vicinity of a fluoropolymer production plant. *Environ. Sci. Technol*., 59, 29, 15420–15431.
220. Sigmund, G., Venier, M., Ågerstrand, M., Cousins, I.T., DeWitt, J., Diamond, M.L., Field, J., Ford, A., Joudan, S., van Leeuwen, S., Lohmann, R., Ng, C., Scheringer, M., Soehl, A., Suzuki, N., Trier, X., Valsecchi, S., Vlahos, P., Young, C.J., Wang, Z. (2025) Scientists' statement on the chemical definition of PFASs. *Environ. Sci. Technol. Lett.,* 12, 9, 1104–1106. **#1 most read article in ES&T Letters.**
221. Kookana, R.S., Sha, B., Baluyot, J.C., Bowles, K., Kah, M., Padhye, L.P., Ying, G.G., Navarro, D., Velarde, M.C., Higgins, C.P., Cousins, I.T. (2025) Human exposure to per- and poly-fluoroalkyl substances (PFAS) in Asia and contributing factors, with a focus on east Asia. *Environ. Sci.: Process Impacts*, 27, 2614-2635.

222. Zhou, Y., Hu, B., Wang, X., Fu, J., Cousins, I.T., Bi, X., Wang, L., Chen, M., Wang, C., Dong, H., Ren, S., Wang, Z., An, T., Li, D., Jones, K.C., Muir, D.C.G. (2025) Global flux of perfluoroalkyl acids from glaciers in a warming climate. *One Earth*, 8, 101453.
223. Sigmund, G., Venier, M., Ågerstrand, M., Cousins, I.T., DeWitt, J., Diamond, M.L., Field, J., Ford, A., Joudan, S., van Leeuwen, S., Lohmann, R., Ng, C., Scheringer, M., Soehl, A., Suzuki, N., Trier, X., Valsecchi, S., Vlahos, P., Young, C.J., Wang, Z. (2025) Rebuttal to Correspondence on "Scientists' statement on the chemical definition of PFASs." *Environ. Sci. Technol. Lett.,* XX, X, XXXX-XXXX.
224. Li, X., Hou, M., Jiang, S., Cousins, I.T., Li, P., Shi, Y., Cai, Y., Jiang, G. (2025) Atmospheric Transport and Deposition of PFAS in East Antarctica: Evidence from Snow Transect Measurements and a Multi-decadal Record. *Sci. Adv*., XX, X, XXXX-XXXX.
225. Sharma, B.M., Cousins, I.T., Arp, H.P.H, Scheringer, M. (2025) Global disparities in PFAS regulations: The risk of relocating PFAS pollution burden to developing countries. *Environ. Sci. Technol*., XX, XXXX-XXXX.
226. Figuière, R., Kirik, O., Rahul Aggarwal, Peters, G., Cousins, I.T. (2025) Assessment of functional alternatives to fluorinated foam blowing agents in insulation materials. *RSC Sustain.*, XX, XXXX-XXXX.

BOOK CHAPTERS

1. Cousins, I.T., MacLeod, M., Webster, E., Mackay, D. (2001) Recent developments in Environmental Modelling at Trent University in Canada. Chapter in Modelling of Environmental Chemical Exposure and Risk, 105-116, Ed. J. B. H. J. Linders, Kluwer Academic Publishers, the Netherlands. ISBN: 9780792367758.
2. Ellis, D., Cahill, T., Mabury, S., Cousins, I.T., Mackay, D. (2002) Partitioning of organofluorine compounds in the environment. In Handbook of Environmental Chemistry. Volume 3N: Organofluorines. Springer-Verlag, pp 63-83. ISBN: 978-3-540-42064-4.
3. Cousins, I.T., Mackay, D., Parkerton, T. (2003) Physical-chemical properties and evaluative modelling. Chapter in the Handbook of Environmental Chemistry, Phthalate Esters, Vol. 3, Part Q, 57-84. Springer-Verlag, Berlin Heidelberg. ISBN: 978-3-540-00992-4.
4. Clark, K., Cousins, I.T., Mackay, D. (2003) Observed Concentrations in the environment. Chapter in the Handbook of Environmental Chemistry, Phthalate Esters, Vol. 3, Part Q, Springer-Verlag, Berlin Heidelberg. ISBN: 978-3-540-00992-4.
5. Clark, K., Cousins, I.T., Mackay, D. (2003) Assessment of critical exposure pathways. Chapter in the Handbook of Environmental Chemistry, Phthalate Esters, Vol. 3, Part Q, Springer-Verlag, Berlin Heidelberg. ISBN: 978-3-540-00992-4.
6. Cousins, I.T., Mackay, D. (2003) Multimedia mass balance modelling of two phthalate esters using a regional fugacity model. Chapter in the Handbook of Environmental Chemistry, Phthalate Esters, Vol. 3, Part Q, 179-200. Springer-Verlag, Berlin Heidelberg. ISBN: 978-3-540-00992-4.
7. Cousins, I.T., Palm, A. (2003) Physical-chemical properties and estimated environmental fate of brominated and iodinated organic compounds. Chapter in the Handbook of Environmental Chemistry, Organobromines and organoiodines. Vol 3, Part R, 301-334. Springer-Verlag. ISBN: 978-3-540-02777-5.
8. Cousins, I.T., Kong, D., Vestergren, R. (2011) Chapter 4: Impact of Climate Change on Exposure to POPs of Wildlife and Humans. In: Climate Change and POPs: Predicting the Impacts. Report of the UNEP/AMAP Expert Group. Secretariat of the Stockholm Convention. Geneva, 62 pp. ISBN: 13 978-82-7971-065-3.
9. Vestergren, R. and Cousins, I.T. (2013) Human dietary exposure to per- and polyfluoroalkyl substances. In: Persistent organic pollutants and toxic metals in foods. Edited by M Rose and A Fernandes, FERA, UK. May 2013, Woodhead Publishing. ISBN: 085709 245-6.
10. MacLeod, M., Bartlett, P., Cousins, I., Friedman, C., Hansen, K.M., Gusev, A., Lammel, G., Li, L., Li, Y.,

Ma, J., Muntean, M. (2021) Chapter 2.1 Modeling emissions and long-range transport of POPs and CEACs under climate change. In: AMAP, 2021. AMAP Assessment 2020: POPs and Chemicals of Emerging Arctic Concern: Influence of Climate Change. Arctic Monitoring and Assessment Programme (AMAP), Tromsø, Norway. viii+142pp. ISBN: 978-82-7971-110-0.

PAPERS IN CONFERENCE PROCEEDINGS

1. Cousins, I.T., Hartlieb, N., Teichmann, C., Jones, K.C. (1996) Volatilization of polychlorinated biphenyls from sludge-amended soils. *Organohalogen Compounds*, 28, 53-63.
2. Mackay, D., Webster, E., Gouin, T., Cousins, I.T. (2001) Assessing agrochemicals for the PBT attributes. Abstracts of Papers of the American Chemical Society, 221, U52-U52 Part: Part 1 Meeting Abstract: 41-AGRO.
3. Kubiak, R., Bürkle, W. L., Cousins, I.T., Hourdakis, A., Jarvis, T., Jene, B., Koch, W., Kreuger, J., Maier, W. M., Millet, M., Reinert, W., Sweeney, P., Tournayre, J. C., Van Den Berg, F. (2003) Focus – Air: Remits and First Results. *Pesticides in Air, Plant, Soil and Water System*, pp. 473-485.
4. Cousins, I.T., Prevedouros, K., Buck, R.C., Korzeniowski, S.C. (2005) Mass balance investigation of Perfluorooctanoic Acid (PFOA) environmental levels, emissions and sinks in the Northern Hemisphere. *Organohalogen Compounds*, 67, 741-744.
5. Cousins, I.T., Armitage, J.M (2005) Application of a simplified bioaccumulation model: Estimation of elimination half-lives for PCDD/PCDFs. *Organohalogen Compounds*, 67, 1791-1793.
6. Saloranta, T., Barton, D.N., Armitage, J.M., Naes, K., Cousins, I.T. (2006) Modelling the effects of uncertainties of different sediment remediation scenarios in the Grenland Fjords, Norway. *Organohalogen Compounds*, 68, 452-455.
7. Cousins, I.T., Armitage, J.M., Buck, R.C., Prevedouros, K., Russell, M.H., MacLeod, M., Korzeniowski, S.H. (2006) Investigation of the environmental distribution and arctic transport of perfluorooctanoate through the application of a global mass balance model. *Organohalogen Compounds*, 68, 679-682.
8. Cousins, I.T., Persson, J.N., Armitage, J.M., Saloranta, T., Broman, D., Naes, K. (2006) Black carbon-inclusive fugacity modelling tool for estimating the aquatic fate of PCDD/Fs in the Grenland Fjords in Norway. *Organohalogen Compounds*, 68, 448-451.
9. Armitage, J.M., Cousins, I.T., MacLeod, M. (2008) Modelling the long-term fate and transport of PFO(A) emitted from direct sources using a two-dimensional global-scale model. *Organohalogen Compounds*, 70, 1438-1441.
10. Trudel, D., Horowitz, L., Wormuth, M., Scheringer, M., Cousins, I.T., Hungerbuehler, K. (2008) Estimating Consumer Exposure to PFOS and PFOA. *Organohalogen Compounds*, 70, 726-729.
11. Vestergren, R., Cousins, I.T., Trudel, D., Wormuth, M., Scheringer, M. (2008) Considering the role of precursor compounds in consumer exposure to PFOS and PFOA. *Organohalogen Compounds*, 70, 1442-1466.
12. Wiberg, K., Bignert, A., Cato, I., Cornelissen, G., Cousins, I.T., Hedman, J., Kiljunen, M., McLachlan, M.S., Peltonen, H., Sellström, U., Shatalov, V., Sundqvist, K.L. (2010) Managing the dioxin problem in the Baltic region with focus on sources to air and edible fish: BALTICPOPS- A 2-year Swedish EPA Research Program. *Organohalogen Compounds*, 72, 1792-1795.
13. Wiberg K., Shatalov, V., Johansson J.X., Cousins, I.T. (2011) The dioxin problem of the Baltic Sea region: Reconciling atmospheric levels and deposition with emission estimates are quantities of European atmospheric emissions properly assessed? *Organohalogen Compounds*, 73, 396-399.
14. Wong, F, Cousins, I.T., MacLeod, M. (2012) Is there an unknown exposure pathway for PBDEs? Evidence from North American biomonitoring data. *Organohalogen Compounds*, 73, 1075-1078.
15. Wang, Z., Cousins, I.T., Hungerbuhler, K., Scheringer, M. (2016) The Precautionary Principle and Chemicals Management: Lessons Learned from Long-Chain Per- and Polyfluoroalkyl Substances

(PFAS) and Their Fluorinated Replacements. *Organohalogen Compounds*, 78, 1315-1317.

16. Winkens, K., Koponen, J., Schuster, J., Shoeib, M., Vestergren, R., Berger, U., Karvonen, A.M., Pekkanen, J., Kiviranta, H., Cousins, I.T. (2016) Per- and polyfluoroalkyl substances in Finnish indoor air. *Organohalogen Compounds*, 78, 1307-1309.
17. Johansson, J., Salter, M., Cousins, I. (2016) Determination of the long-range atmospheric transport potential of perfluoroalkyl acids associated with sea spray aerosols. *Organohalogen Compounds*, 78, 233-236.

OTHER PUBLICATIONS, INCLUDING POPULAR SCIENCE ARTICLES

1. Cousins, I.T., Smith, D.J. and Watts, C.D. (1992) The transport and fate of organic pollutants in rivers. Report to the National Rivers Authority, NRA R&D Note 86.
2. Cousins, I.T., Watts, C.D., Rogers, H.R. and Dobbs, A.J. (1993) Sources and fates of synthetic organics in rivers. Report to the Department of the Environment, DoE 3293/1.
3. Bealing, D.J., Cousins, I.T. and James, H.A. (1993) An investigation of the degradation of microcystin-LR. Report to the Foundation for Water Research, FR 0379.
4. Howells, O., Rogers, H.R., Cousins, I.T. and Watts, C.D. (1993) Environmental Impact of Tributyl Phosphate in Effluent Discharges. Report to British Nuclear Fuels (BNFL), WRc Report No: CO 3337.
5. Cousins, I.T. (1994) Structure-activity relationships: a means of providing the missing environmental data? Feature article in The Journal of the Institution of Environmental Sciences, 3, 7-8.
6. Cousins, I.T. and Watts, C.D. (1995) Atmospheric sources of pollution: inputs of trace organics to surface waters. Report to the National Rivers Authority, R&D Report 20, ISBN 1 873160 24 0.
7. Cousins, I.T. (1995) Atmospheric deposition of organic pollutants to UK surface waters. MSc. dissertation, University of Surrey, Guildford, UK.
8. Cousins I. T. and Jones, K. C. (1998) Organic contaminants in sludge-amended soils: research update. Feature article in Thames Water Bulletin.
9. Cousins, I.T. (1999) Air-soil exchange of persistent organic pollutants. Ph.D. dissertation, Lancaster University, Lancaster, UK.
10. Cousins, I.T. Gouin, T.W., Mackay, D. (2000) Screening Organic Chemicals for Persistence in the Environment and Potential for Long-Range Transport. Report to Environmental Canada. Trent University, Peterborough, Ontario.
11. Cousins, I.T. and Mackay, D. (2000) Transport Parameters and Mass Balance Equations for Vegetation in a Level III Fugacity Model. CEMC Report No. 200001. Trent University, Peterborough, Ontario. (Available from www.trentu.ca/envmodel).
12. Cousins, I.T., Mackay, D. and Mackay, N. (2001) Review of EUSES Modelling for Di-2-Ethylhexyl Phthalate. CEMC Report No. 200101. Trent University, Peterborough, Ontario. (Available from www.trentu.ca/envmodel).
13. Mackay, D., Webster, E., Cousins, I.T., Cahill, T., Foster, K. and Gouin, T. (2001) 'An introduction to multimedia models.' CEMC Report No. 200102. Trent University, Peterborough, Ontario. (Available from www.trentu.ca/envmodel).
14. Mackay, D., Sharpe, S., Cahill, T., Webster, E., Gouin T., Cousins, I.T., Toose, L. (2001) Assessing the Environmental Persistence of a Variety of Chemical Substances Including Metals. CEMC Report No. 200104. Trent University, Peterborough, Ontario. (Available from www.trentu.ca/envmodel).
15. Mackay, D., Webster, E., Cousins, I. T., Cahill, T., Foster, K., Gouin, T. (2001) 'Issues relating to the use of multimedia models for estimating persistence and long-range transport.' Background paper for an OECD Workshop, Ottawa, October 2001.
16. Kapustka, L.A., Bradlee, C.A., Gorsuch, J.W., Scholz, N., Mackay, D., Cousins, I.T., Dueck, T., Zaleski, R., Staveley, J., Cape, J.N., Roshon, R., Wiench, K., Pfleeger, T. (2003) Challenges in Organic Vapor-phase Phytotoxicity Testing. Learned Discourse in SETAC Globe. 4: 33-35.

17. Kubiak, R., Bürkle, W. L., Cousins, I.T., Hourdakis, A., Jarvis, T., Jene, B., Koch, W., Kreuger, J., Maier, W.M., Millet, M., Reinert, W., Sweeney, P., Tournayre, J.C., Van Den Berg, F. (2003) Final Report of the FOCUS Air Working Group on Pesticides in Air.
18. Breitholtz, M., Nfon, E., Ricklund, N., Gilek, M., Cousins, I.T., Bengtsson, B.-E. (2006) The use of chemical properties in aquatic ecotoxicological testing using small invertebrates. MISTRA pages:145-166 ISBN:91-7178-414-4.
19. Cousins, I.T. (2009) Unravelling the sources of Perfluorooctanoic Acid. Norman Newsletter, Issue 5, January 2009. Copies can be obtained at http://www.norman-network.net., NORMAN Association (N° W604002510) - Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances.
20. Vestergren, R. and Cousins, I.T. (2009) Sources, Fate and Exposure to Poly- and Perfluoroalkyl Substances. Norman Bulletin, Issue 1, December 2009. Copies can be obtained at http://www.norman-network.net, NORMAN Association (N° W604002510) - Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances.
21. Arnot, J., McCarty, L., Armitage, J., Toose-Reid, L., Wania, F., Cousins, I. (2010) An evaluation of hexabromocyclododecane (HBCD) for Persistent Organic Pollutant (POP) properties and the potential for adverse effects in the environment. Report for the European Brominated Flame Retardant Industry Panel (EBFRIP).
22. Åberg, A., Kong, D. and Cousins, I.T. (2010) Källfördelning av PCB7 i Bråviken - tillämpning av massbalansmodellering för identifiering av åtgärder inom ramen för Vattendirektivet. Final report to Länsstyrelsen Östergötland.
23. Kong, D., Armitage, J.M., Åberg, A. and Cousins, I.T. (2010) User's Guide to POPCYCLING-Bråviken Model V 1.00 A Multicompartment Mass Balance Model of the Fate of Persistent Organic Pollutants in the Bråviken Aquatic & Atmospheric Environment. Report to Länsstyrelsen Östergötland. Model can be downloaded at :http://www.itm.su.se/page.php?pid=117&lang=en.
24. Cousins, I.T., Prevedouros, K., Unger, M., Gustafsson, Ö. (2010) Sources and Fate of PAHs in an Urban Environment. p. 119. In: ATLAS of Biodiversity and Risk. (Eds: Settele, J., Penev, L., Georgiev, T., Grabaum, R., Grobelnik, V., Hammen, V., Klotz, S., Kotorac, M. Kühn, I.), PENSOFT Sofia Moscow, ISBN: 978.954-642-446-4.
25. Johansson, J.H. and Cousins, I.T. (2012) New guidelines for naming perfluoroalkyl and polyfluoroalkyl substances provide a unified understanding. Norman Bulletin on Emerging Substances, Scientific Watch, Issue 3, (in press). NORMAN Association (N° W604002510) - Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances.
26. Wiberg, K., Assefa, A.T., Sundqvist, K.L., Cousins, I.T., Johansson, J., McLachlan, M.S., Sobek, A., Cornelissen, G., Miller, A., Hedman, J., Bignert, A., Peltonen, H., Kiljunen, M., Shatalov Cato, I. (2013) Managing the dioxin problem in the Baltic region with focus on sources to air and fish. Final report from the research project BalticPOPs. Report 6566, May 2013. ISBN 978-91-620-6566-9.
27. Palm Cousins, A., de Wit, C., Cousins, I.T. (2015) Flamskyddsmedel i innemiljön – källor, spridningsvägar och effekter. (Denna sammanfattande rapport är producerad av IVL Svenska Miljöinstitutet och presenterar resultat från de enskilda forskarna inom Forskningsprojektet, Inflame, Indoor contamination with flame retardant chemicals: causes and impacts. Inflame var ett Marie Curie Initial Training Network (ITN)-projekt inom EU:s sjunde ramprogram. Inflame koordinerades av professor Stuart Harrad vid Universitetet i Birmingham och pågick mellan 2011 och 2014). IVL rapport C 119. Redaktör: Kerstin Kristoferson (in Swedish). https://www.ivl.se/download/18.34244ba71728fcb3f3f9b7/1591705459001/C119.pdf.
28. Rudén, C., Bohman, B., Cousins, I.T.: Löf, M., Ahrens, L., Kärrman, A., Nilsson, A., Wiberg, K. Yeung,

L., Zetterberg, C. (2021) Debatt: Forskare om PFAS-skandalen: Kemiindustrin har hamnat i skuggan. *Altinget*, 11-05-2021. Debate article in Swedish newspaper (in Swedish).

29. Wang, Z., Buck, R.C., Buser, A., Cousins, I.T., Demattio, S., Drost, W., Heggelund, A., Johansson, O., Leinala, E., Ohno, K., Patlewicz, G., Richard, A., Schalles, S., Walker, G., White, G., Berger, U., Fischer, S., Libelo, L. (2021) Organisation for Economic Co-operation and Development (OECD) Environment, Health and Safety Publications Series on Risk Management, No. 61: Reconciling Terminology of the Universe of Per- and Polyfluoroalkyl Substances: Recommendations and Practical Guidance. ENV/CBC/MONO(2021)25, Paris, 9 July 2021. https://one.oecd.org/document/ENV/CBC/MONO(2021)25/En/pdf.
30. Cousins, I.T., Sha, B., Johansson, J., Scheringer, M., Salter, M. (2022) How safe is it to drink rainwater? The Conversation, 29-08-2022. https://theconversation.com/how-safe-is-it-to-drink-rainwater-159383.
31. Gerhardt, K., …, Cousins, I.T., et al. (2022) Nog nu, politiker – ta klimatkrisen på allvar: 1 944 svenska forskare och anställda i forskarvärlden: Vad är det ni inte förstår? Aftonbladet, 25-08-2022. Debate article in Swedish newspaper (in Swedish).
32. Cousins, I.T., Goldenman, G., Scheringer, M., DeWitt, J., Glüge, J., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Wang, Z. (2023) 'It is crucial that a strong and effective PFAS restriction enter into force as soon as possible' Op-Ed published in English version of Le Monde (French newspaper, in English), 25-02-2023.
33. Cousins, I.T., Goldenman, G., Scheringer, M., DeWitt, J., Glüge, J., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Wang, Z. (2023) 'Nous devons adopter des mesures systématiques qui nous permettront de détecter les zones contaminées par les "polluants éternels"'. Op-Ed published in print version of Le Monde (French newspaper, in French), 27-02-2023.
34. Bergqvist, L., Cousins, I.T. and Salter, M.E. (2023) PFAS från haven hemsöker oss. *Havsutsikt*, 2, 16-18.
35. Hajioff, S., Fletcher, T., Cousins, I.T. (2023) First Report of the Independent PFAS Scientific Advisory Panel for Jersey – The potential for an interim therapeutic phlebotomy service. November 2023. https://www.gov.je/SiteCollectionDocuments/Health%20and%20wellbeing/First%20Report%20of%20the%20Independent%20PFAS%20Scientific%20Advisory%20Panel%20for%20Jersey.pdf.
36. Hajioff, S., Fletcher, T., Cousins, I.T. (2024) Second Report of the Independent PFAS Scientific Advisory Panel for Jersey – An Assessment of the Impact on PFAS Exposure on Health. November 2024. https://www.gov.je/SiteCollectionDocuments/Health%20and%20wellbeing/Report%202%20Health%20impacts%20of%20PFAS.pdf.
37. Scheringer, M., Cousins, I.T., DeWitt, J., Goldenman, G., Lohmann, R., Ng, C.A., Trier, X. (2025) 'La contamination par les PFAS est le problème de pollution le plus grave jamais rencontré. Op-Ed published in print version of Le Monde (French newspaper, in French), 17-01-2025.
38. Cousins, I.T., Amanda Rensmo, Eleni Savvidou, Figuière, R. (2025) Engineering a Future Without PFAS: The Path to Sustainable Alternatives. *The Chemical Engineer*, Feature Focus: Tackling PFAS. 33-35.
39. Augustsson, A., Bornehag, C.-G., Cousins, I.T., Jogsten, I.E., Weiss, J., Sturve, J., Rüegg, J., Wiberg, K., Zeller, K., Damdimopoulou, P., Andersson, P., Cristobal, S., Molander, S., Bergman, Å. (2025) PFAS-larmen är inte överdrivna – de är välgrundade. *Aktuell Hållbarhet* (in Swedish), 22 May 2025. https://www.aktuellhallbarhet.se/opinion/debatt/pfas-larmen-ar-inte-overdrivna-de-ar-valgrundade/.
40. Hajioff, S., Fletcher, T., Cousins, I.T. (2023) Third Report of the Independent PFAS Scientific Advisory Panel for Jersey – Testing, biomonitoring and management of PFAS in the human body. September 2025.

INVITED PRESENTATIONS, LECTURES, WEBINARS, PANEL DISCUSSIONS AND SPEECHES

1. Cousins, I.T. (1992) Environmental fate modelling. Invited platform presentation at the National Rivers Authority Symposium on Chemical Contaminants R&D, 2 June 1992, High Wycombe, UK.
2. Cousins, I. T. (1994) Predicting environmental fate and behaviour of substances using fugacity models. Invited keynote speaker at the National Rivers Authority Symposium on the Impact of Substances on the Aquatic Environment. 6-7 June 1994, WRc plc, Medmenham, UK.
3. Cousins, I.T., Mackay, D. and Jones, K.C. (1998) Measuring and modelling the vertical distribution of PCBs and PAHs in soils. Invited keynote speaker at the International Conference on the Sources, Fates and Effects of Persistent Organic Pollutants (POPs), 28-29 April, 1998, Lancaster University, UK.
4. Cousins, I.T. and Mackay, D. (1999) Recent developments in environmental modelling at Trent University, Canada. Invited keynote speaker at the NATO Advanced Research Workshop (ARW) on Modelling of Environmental Chemical Exposure and Risk in Sofia, Bulgaria, 4-8 October, organized by the NATO Science Program.
5. Cousins, I.T., Palm, A. and Mackay, D. (2001) Physical-chemical properties and environmental fate modelling of PBDEs. Invited keynote speaker at the Third Annual Workshop on Brominated Flame-Retardants in the Environment, August 23-24, 2001, Canada, Centre For Inland Waters, Burlington, Ontario, Canada.
6. Cousins, I.T. and Mackay, D. (2001) The use of models for estimating half-lives and persistence. Invited keynote speaker at the CEFIC/ECETOC Long-Range Research Initiative Scientific Workshop, 'Degradation of chemicals in the environment and prediction of persistence', October 16-17, 2001, Paris, France.
7. Cousins, I.T., Palm, A., Gustafsson, Ö, Axelman, J., Grunder, K., Broman, D. and Brorström-Lundén, E. (2003) A multi-flux mass balance of measured POP fluxes on the Swedish west coast. Invited keynote speaker at the Nordic Environmental Chemistry Winter Meeting, 12-14 March, Storlien, Sweden.
8. Cousins, I.T. (2010) Global Sources and modeling of PFCAs and PFOS. Invited keynote speaker at the 2nd International Workshop on New Developments in Fluorinated Surfactants, 17th-19th June, Idstein, Germany.
9. Cousins, I.T. (2010) Modeling the fate and exposure of perfluorinated alkyl acids. Invited keynote speaker at PacifChem 2010, The International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 15th-20th.
10. Cousins, I.T., Kong, D. and Vestergren R. (2011) Impact of Climate Change on Exposure to POPs of Wildlife and Humans. Invited keynote speaker at The Arctic as a Messenger for Global Processes – Climate Change and Pollution. University of Copenhagen, 4-6 May, 2011.
11. Cousins, I.T. (2012) State-of-the-art in research on per- and polyfluoroalkyl substances and future outlook. Invited keynote speaker at 4th International Workshop: Per- and polyfluorinated alkyl substances – PFAS. November 7-9, Idstein, Germany.
12. Cousins, I.T. (2013) Environmental and human exposure assessments for per- and polyfluoroalkyl substances: modelling approaches. Invited keynote speaker at 6th Late Summer Workshop "Micropollutants in the water cycle", Schloss Maurach, Lake Constance, Germany.
13. Cousins, I.T., Wang, Z., Scheringer, M., Hungerbühler, K. (2014) An overview of the available data for performing risk assessments of fluorinated alternatives to long-chain perfluoroalkyl acids (PFAAs) and their precursors. Invited keynote speaker at the 6th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, June 15-18, Idstein, Germany.
14. Cousins, I.T. (2015) Fluorinated alternatives to long-chain PFAS: What we know about them and proposals for how they should be managed and regulated. Invited keynote speaker at: An

international symposium on fluorinated organics in the environment, FLUOROS 2015, Golden, Colorado, USA.

15. Cousins, I.T. (2016) Perfluorinated chemicals –A global chemicals management issue in the need of global agreement? Invited speaker and panelist (in Panel 2), Helsinki Chemicals Forum, Helsinki, Finland, 26 May, 2016.
16. Cousins, I.T. (2019) The concept of essential use for determining when uses of PFASs can be phased out. Invited presentation at the 11th Network Meeting on Highly Fluorinated Substances, 9 May, Stockholm University, Stockholm.
17. Cousins, I.T., Wang Z. (2019) Toward a Systematic Characterization and Categorization of PFAS. Invited keynote speaker at the SETAC North America Focused Topic Meeting: Environmental Risk Assessment of PFAS. 12-15 August 2019, Durham, North Carolina, USA.
18. Cousins, I.T. (2019) State of the science of the fate and transport of PFAS. Invited keynote speaker at the International CleanUp Conference 2019, 8-12 September 2019, Adelaide, Australia.
19. Cousins, I.T. (2020) PFAS pollution, from the arctic to the equator. Invited keynote speaker at a workshop on "Monitoring of PFAS in water and other media" commissioned by the Directorate General Environment of the European Commission. 13-14 January 2020, Brussels, Belgium.
20. Cousins, I.T. (2020) Strategies for grouping PFAS. Invited webinar jointly given to Jennifer Field's (Oregon State University) and Chris Higgins' (Colorado School of Mines) Research Labs, May 14, 2020, Online.
21. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Scheringer, M., Vierke, L., Wang, Z. (2020) Strategies for grouping per- and polyfluoroalkyl substances. Invited presentation in a webinar organized by The Baltic Leadership Programme on PFAS, June 9, 2020.
22. Cousins, I.T. (2020) PERFORCE3 Invited to speak at, lead and moderate a webinar on PFAS and the Essential Use Concept. Guest presentation by Martin Scheringer (ETH Zurich) and panel discussion between: Stephen Korzeniowski (ATCS & PFP), Anna Lennquist (ChemSec), Jenny Ivarsson (KemI), and Joel Tickner (Zuckerberg College of Health Sciences, UMass Lowell). September 17, 2020, Online. Recording available at: https://www.aces.su.se/events/aces-seminar-series-panel-discussion-on-pfas-and-the-essential-use-concept/.
23. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Scheringer, M., Vierke, L., Wang, Z. (2020) Strategies for grouping per- and polyfluoroalkyl substances. Invited presentation at a webinar organized by the North Carolina Secretaries' Science Advisory Board, October 5, 2020, Online.
24. Cousins, I.T. (2020) PFAS and the Essentiality Concept. Invited keynote speaker at the online conference: PFAS in Our World: What We Know and What We Can Do. Virtual Conference, October 13, 2020. Hosted by the University of Rhode Island. Recording online at: https://www.youtube.com/watch?v=__PBFo8PaI0.
25. Cousins, I.T. (2020) The essential use concept: Practical application for phasing out hazardous substances. Invited keynote speaker at the online international workshop: "Improving the chemical safety of food contact articles: Linking policy-making with scientific research", organized by the Food Packaging Forum, October 23, 2020. Recording online at: https://www.youtube.com/watch?v=XeIPbt_34W0.
26. Cousins, I.T., Scheringer, M. (2020) Applying the concept of essential use to PFAS: Experiences, challenges and next steps. Invited webinar hosted by Silke Gabbert, RIVM, Centre for Safety of Substances and Products, The Netherlands, 26 October, 2020.
27. Cousins, I.T. (2020) The essential use concept: Introduction and potential application to endocrine disrupting chemicals. Invited presentation at the Ministry of Environment Japan (MOEJ) and UK's Department for Environment, Food and Rural Affairs (Defra) sponsored annual webinar on

endocrine disrupting chemicals. October 27, 2020.

28. Cousins, I.T. (2020) Overview of risk assessment approaches for mixtures. Invited keynote speaker at SOILveR Online PFAS Contaminated Sites Risk Assessment workshop, November 9, 2020.
29. Cousins, I.T. (2020) PTFE from a life cycle perspective and essential uses. Invited presentation at the webinar: PTFE in bike chain lubricating oils. Organized by RISE (Research Institutes of Sweden), December 3, 2020.
30. Cousins, I.T. (2020) EU's Chemicals Strategy and Essential Use, Invited presentation at Baltic Breakfast webinar: the new EU Chemicals Strategy – will it deliver? 9 December 2020.
31. Cousins, I.T., Herzke, D. (2020) Academic perspective on the concept of 'essential uses'. Invited presentation at a virtual webinar on 'Essential Uses' of PFASs in the EU, Organized by Chemical Watch, December 3, 2020.
32. Cousins, I.T. (2021) An introduction to the essential use concept and application to PFAS. Invited webinar by Collaborative on Health and the Environment, California, US, January 13, 2021. Recording online at: https://www.healthandenvironment.org/webinars/96554.
33. Cousins, I.T. (2021) The essential use concept, a tool for guiding the phase out of PFAS. Invited keynote speaker at the MilieuChemTox Symposium "Green deal or no deal?", Online, January 21, 2021.
34. Cousins, I.T. (2021) PTFE ur ett livscykelperspektiv samt essentiell och icke-essentiell användning. Invited webinar at the meeting on "PFAS i nonstick-beläggningar – en risk för människa och miljö?" organised by RISE as part of the POPFREE project, Online, 25 March, 2021.
35. Cousins, I.T. (2021) Sources, transport and fate of various PFAS in the atmosphere. Invited keynote at the Thematic Webinar on PFASs, French Fluorine Network, Online, March 16, 2021.
36. Cousins, I.T. (2021) Sources, transport and fate of various PFAS in the atmosphere. Opening keynote at the CleanUp Emerging Contaminants Virtual Symposium 2021, Online, March 24, 2021.
37. Cousins, I.T. (2021) Strategies for Grouping PFAS for Chemical Assessment: An Update. Invited webinar at Michigan State University, online, 1 April, 2021.
38. Cousins, I.T. (2021) The diversity of PFAS. Invited presentation at a PFAS workshop organized by the UK Environment Agency, 27-28 April, 2021.
39. Cousins, I.T. (2021) Consideration of possible grouping approaches and essential uses. Invited presentation at a PFAS workshop organized by the UK Environment Agency, 27-28 April, 2021.
40. Cousins, I.T. (2021) Sources, transport and fate of PFAS in the atmosphere. Invited webinar at the College of Environmental Science and Engineering, Nankai University, China, 6 May, 2021.
41. Cousins, I.T. (2021) The concept of essential use for determining when uses of per- and polyfluoroalkyl substances (PFAS) can be phased out. Invited webinar at the Svensk Förening för Toxikologi (SFT), 9 September, 2021.
42. Cousins, I.T. (2021) The concept of essential use: successes and challenges. Invited webinar and panel discussion at Eurometaux - bi-annual "chemicals management week", 28 September, 2021.
43. Cousins, I.T. (2021) An overview of the PERFORCE3 project. Invited presentation at the International workshop on new research outcomes on PFAS use, human exposure and waste handling. Norwegian Institute for Air Research, NILU, Tromsö, Norway, 1 October, 2021 (hybrid event).
44. Cousins, I.T. (2021) Are fluoropolymers polymers of low concern? Invited keynote at FLUOROS Global 2021, Providence, Rhode Island, US (hybrid event), 4 October, 2021.
45. Cousins, I.T. (2021) Essential use and substitution of hazardous chemicals, Baltic Breakfast, Invited webinar hosted by the Baltic Sea Centre, Stockholm University, 26 October, 2021.
46. Cousins, I.T. (2021) Strategies for grouping PFAS to protect human and environmental health. Invited keynote at Dioxin 2021, 41st International Symposium on Halogenated Persistent Organic Pollutants, Tianjin, China, 8-11 November.
47. Cousins, I.T. (2022) What are PFAS and why bother? Towards PFAS-free kitchenware. Invited

webinar organized within the POPFREE Industry project, coordinated by RISE, 20 January, 2022. Recording online at: https://www.ri.se/en/event/towards-pfas-free-kitchenware.

48. Cousins, I.T. (2022) The concept of essential use for PFAS. Invited keynote lecture at the Kemikaliegruppens stormöte (online). RISE Research Institutes of Sweden, 10 March 2022, Sweden.
49. Cousins, I.T. (2022) PFAS in firefighting foam: transport, fate and human exposure. Invited keynote lecture at PIC2022 – 17th International Congress on Combustion By-Products and Their Health Effects, Preston, UK, 10 May, 2022.
50. Cousins, I.T. (2022) Essential use within the regulatory framework: scientific considerations. Invited keynote speaker at the Workshop organized by Royal Society of Chemistry, Department of Environment, Food and Rural Affairs, Chemical Industries Association and FIDRA. When the science is uncertain, what is the role of risk-based approaches and precautionary control in chemicals policy? London, UK, 9 June, 2022.
51. Cousins, I.T. (2022) Essential use. Invited ZeroPM lunchtime webinar. Available on YouTube at https://www.youtube.com/watch?v=PRyfb8bSHLo&t=27s, 13 June, 2022.
52. Cousins, I.T. (2022) Strategies for grouping PFAS based on intrinsic properties. Invited keynote speaker at the Committee on Toxicology, 2022 Annual Meeting, Hybrid: Washington, D.C. and Virtual, 21 July, 2021
53. Cousins, I.T. (2022) Outside the safe operating space of a new planetary boundary for PFAS. Invited webinar presented at the Green Science Policy Initiative PFAS meeting, 7 September, 2022 (online).
54. Cousins, I.T. (2022) Outside the safe operating space of a new planetary boundary for PFAS. Webinar presented to the PFAS Task Force, Eureau (the European Federation of National Associations of Water Services), 13 September, 2022 (online).
55. Cousins, I.T. (2022) Per- and polyfluoroalkyl substances as a class: relevant chemistry and properties. Invited keynote presentation at the ISES (International Society of Exposure Science) 2022 Annual Meeting, Lisbon, Portugal, 25-29 September, 2022.
56. Cousins, I.T. (2022) Session 10: Fluoropolymer lifecycle considerations: a reason for concern? Europe's PFAS problem: situation briefings by independent experts, Invited webinar organized by the European Environmental Bureau, 29 September, 2022.
57. Cousins, I.T. (2022) Outside the safe operating space of a new planetary boundary for PFAS. Invited webinar presented in the Collaborative on Health and the Environment (CHE) Webinar Series. California, USA, 6 October, 2022.
58. Cousins, I.T. (2022) Outside the safe operating space of a new planetary boundary for PFAS. Invited presentation at 16th Swedish PFAS Network Meeting, Stockholm University, Sweden, 22 November, 2022.
59. Cousins, I.T. (2022) PFAS in sea spray aerosols. Invited keynote speaker at the 1st Nordic-Baltic PFAS Conference, Borås, Sweden., 13-15 December, 2022.
60. Cousins, I.T. (2023) Invited speech "Calling on the UK government to protect the environment with a strong chemicals strategy, including a ban on all non-essential uses of PFAS" at "The poisons in our ocean impacting marine life: how to address PFAS and other harmful chemicals in our seas", Hosted by: Kerry McCarthy MP on behalf of Marine Conservation Society & CHEM Trust, Thames Pavilion, UK Houses of Parliament, Westminster, London, 17 January, 2023.
61. Cousins, I.T. (2023) Approaches for tackling the planetary boundary for chemical pollution. Invited keynote at the Norwegian Environmental Chemistry Symposium (NECS), Vestlia Resort, Geilo, Norway, 30 January – 1 February, 2023.
62. Cousins, I.T. (2023) Prevention through chemical alternatives. Invited presentation at the ZeroPM "Prevention Workshop": Achieving Zero Pollution of Persistent and Mobile Substances. Prevention through chemical alternatives, policy action and market transition, Lindholmen Conference Centre, Gothenburg, Sweden, 7-8 February, 2023.

63. Cousins, I.T. (2023) Approaches for tackling the planetary boundary for chemical pollution. Invited webinar in EDGE Lecture Series at the University of Vienna, 9 March, 2023.
64. Cousins, I.T. (2023) Outside the Safe Operating Space of a New Planetary Boundary for Per- and Polyfluoroalkyl Substances (PFAS) Invited webinar to the NIEH (National Institute of Environmental Health Sciences) PFAS Analytical Networking Group, 13 March, 2023.
65. Cousins, I.T. (2023) Introduction to fluorinated POPs (PFOS, PFOA, PFHxS and other PFAS) related to polymers and plastics. IPCP Webinar Series: POPs in plastic and monitoring approaches. Invited webinar jointly hosted by the United Nations Environment Programme (UNEP), the Global Environment Facility (GEF) and the International Panel on Chemical Pollution (IPCP). 24-25 April, 2023.
66. Cousins, I.T. (2023) PFAS in the atmosphere: understanding sources, transport and fate processes. Invited lecture at Nanjing Agricultural University, Nanjing, Jiangsu province, China, 7 June, 2023.
67. Cousins, I.T. (2023) Impacts of marine aerosol transport of PFAS to land. Invited keynote lecture at The National Climate Summit, Klimatorium, Denmark's International Climate Center, Lemvig, Denmark, 16-17 August, 2023.
68. Cousins, I.T. (2023) An overview of the PERFORCE3 project. Invited keynote presentation as the PERFORCE3 PFAS Symposium, Idstein, Germany, 30 August, 2023.
69. Cousins, I. T. and Salter, M.E. (2023) Baltic Breakfast: The sea as a source of PFAS. Invited seminar/webinar. Scandic Klara Hotel and online. 20 September, 2023.
70. Cousins, I.T. (2023) PFAS in Lithium-ion batteries. Invited presentation at The Toxicology Council quarterly meeting, Swedish Chemicals Agency, Stockholm, Sweden, 20 September, 2023.
71. Cousins, I.T. (2023) Uses of PFAS and their alternatives: Cases studies for uses of fluoropolymers and fluorinated gases. Invited keynote presentation in the session 'Everything, Everywhere, All at Once': PFAS. At "Occupational and Environmental Health in the 21st Century: Strategies for Confronting a Global Crisis", Bologna, Italy, 24 October, 2023.
72. Cousins, I.T. (2023) Why is high environmental persistence a problem? Considering trifluoroacetic acid (TFA) and other examples. Joint ATMOsphere and Green Cooling Initiative event at the 35th Meeting of the Parties to the United Nation Montreal Protocol. Nairobi, Kenya. United Nation Environment Programme Headquarters, room CR-10, 25 October, 2023.
73. Cousins, I.T. (2023) The sea as a secondary source of PFAS. Invited seminar at the Department of Biological and Chemical Engineering at Aarhus University, Denmark, 5 December, 2023.
74. Cousins, I.T. (2023) Alternatives to the many uses of PFAS: overview and case studies. Invited webinar at the University of Auckland, New Zealand, 13 December, 2023.
75. Cousins, I.T. (2024) Alternatives to PFAS. Invited keynote lecture at the Seminar on Sustainable Alternatives to PFAS for European Commission and Agency Staff, Centre Borschette, Brussels, Belgium, 30 January, 2024.
76. Cousins, I.T. (2024) PFAS and their alternatives. Invited keynote lecture at the Australasian Land & Groundwater Association (ALGA) Symposium: PFAS Management into the Future, Sydney, Australia, 14 March, 2024.
77. Cousins, I.T. (2024) Alternatives to PFAS. Invited keynote at the Conference on Tomorrow's Chemicals Policy: Perspectives and Challenges. Hosted in the context of the Belgian Presidency by the FPS Health, Food chain safety and Environment. SQUARE Brussels Meeting Centre, Brussels, Belgium, 23-24 April, 2024.
78. Cousins, I.T. (2024) How does society want substances of concern and products managed and what is it ready to substitute – using the example of PFAS? Invited keynote lecture at the Chemical Watch Regulatory Summit Europe 2024, Brussels + Virtual, Belgium, 25-26 April, 2024.
79. Cousins, I.T. (2024) AstraZeneca organised and funded non-promotional virtual roundtable: 'Exploring the impact and implications of the draft ECHA PFAS legislation on the future of

respiratory care'. Invited to participate in a two-hour online roundtable discussion, 21 August, 2024.

80. Cousins, I.T. (2024) An Overview of the Problem with PFAS. Invited opening keynote lecture at the Nordic Conference on PFAS Substitution – Inspiration, Experiences and Tools. World Trade Center, Stockholm, Sweden, 2 September, 2024.
81. Cousins, I.T. (2024) Waste reduction strategies: Finding alternatives to the many uses of PFAS. Invited opening keynote at the "PFAS and Waste" Symposium, Umeå University, Sweden, 26 September, 2024.
82. Cousins, I.T. (2024) Uses of PFAS and their alternatives: applications of essentiality and functional substitution. Invited opening keynote at the REMTECH Emerging Contaminants Summit 2024, Colorado, US, 15 October, 2024.
83. Cousins, I.T. (2024) Uses of PFAS in lithium ion batteries – problems and solutions. CEEN 596 Environmental Seminar Series. Colorado School of Mines, Golden, Colorado, US. 18 October 2024.
84. Cousins, I.T. (2024) PFAS materials in industrial production. Invited opening keynote at the PFAS Conference on Alternatives 2024, Industriens Hus, H.C. Andersens Boulevard 18, Copenhagen, Denmark, 8 November, 2024.
85. Cousins, I.T. (2025) Emissions of PFAS from Fluoropolymer Manufacturing in Europe and China. Invited seminar at Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences, Beijing, China, 10 February, 2025.
86. Cousins, I.T. (2025) Emissions of PFAS from Fluoropolymer Manufacturing and Remobilization via Sea Spray Aerosol. Invited seminar at College of Resources and Environmental Sciences, Beijing University of Agriculture, Beijing, China, 11 February, 2025.
87. Cousins, I.T. (2025) Can the risks of PFAS be contained without a ban? Invited seminar/webinar at the Baltic Breakfast. Scandic Klara Hotel and online. 19 March, 2025.
88. Cousins, I.T. (2025) The current state of knowledge of PFAS. Invited keynote presentation at POPsNet 2025, a conference on Persistent Organic Pollutants, the Royal Society of Chemistry, Burlington House, London, 4 April, 2025.
89. Cousins, I.T. (2025) Are modern fluorinated refrigerants safe? Invited keynote presentation at the Safer Refrigerants for Manufacturing Spring 2025 Toxics Use Reduction Webinar, 14 April 2025.
90. Cousins, I.T. (2025) Process-specific insights into the global cycling of PFAS. Invited presentation at the Annual meeting of the Task Force on Hemispheric Transport of Air Pollution, Potsdam, Germany and online. 7 May, 2025.
91. Cousins, I.T. (2025) The Diversity of PFAS and Strategies for Grouping Them. WRc's PFAS and EC Forum. Invited online webinar, 22 May, 2025.
92. Cousins, I.T. (2025) Alternativ till den breda gruppen av kemikalier som kallas PFAS. Invited presentation at The Swedish Environment Agency's work environment day, 9 June, 2025 (in Swedish).
93. Cousins, I.T. (2025) Finding alternatives to the many uses of PFAS. Invited keynote presentation at the IUPAC World Chemistry Congress 2025, 14-19 July, 2025.
94. Cousins, I.T. (2025) Strategies for PFAS Governance: From Prevention to Destruction. Invited opening keynote at "PFAS Management in Canada", a workshop at the Toronto Metropolitan University, Toronto, Canada, 16 September, 2025.
95. Cousins, I.T. (2025) TriFluoroacetic Acid (TFA). Invited presentation at the 19th Swedish PFAS Network Meeting, Stockholm University, Sweden, 23 October, 2025.
96. Cousins, I.T. (2025) Alternatives to the diverse group of substances known as PFAS. Invited opening keynote presentation at the Australasian Land & Groundwater Association (ALGA) Ecoforum 2025, 28-30 October 2025.
97. Cousins, I.T. (2025) Alternatives to uses of fluoropolymers. Invited keynote presentation at: Workshop on fluoropolymers, emissions during their life cycle, and the search for alternatives.

Brussels, 14 November 2025.

OTHER PRESENTATIONS AT CONFERENCES, WORKSHOPS, WEBINARS (INCLUDING CO-AUTHORSHIPS)

1. Cousins, I.T., Smith, D.J., Watts, C.D. (1992) Field validation of an environmental fate model. Poster presentation at the RSC/SETAC symposium on the environmental fate of chemicals: prediction and measurement. 7-8 September, 1992, Lancaster University, UK.
2. Cousins, I.T., Cronin, M.T.D., Dearden, J.C., Watts, C.D. (1994) Use of molecular similarity indices for QSAR training set selection. Sixth International Workshop on Quantitative Structure-Activity Relationships (QSAR) in Environmental Sciences, Belgirate, Italy, 13-17 September.
3. Cousins, I.T., Hartlieb, N., Teichmann, C. and Jones, K.C. (1996) Volatilization of polychlorinated biphenyls from sludge-amended soils. Dioxin 96: Thirteenth International Symposium on Chlorinated Dioxins and Related Compounds, 12-16 August, Amsterdam, The Netherlands.
4. Mackay, D., Seth, R., Cole, J. and Cousins, I.T. (1999) The problem with partition coefficients. American Chemical Society 217th National Meeting, 21-25 March, Anaheim, CA, USA.
5. Cousins, I.T., Barber, J.L., Thomas, G.O., Smith, K.S., Howsam, M., Hung, H., Mackay, D. and Jones, K.C. (1999) The Uptake and Depuration Kinetics of PCBs, PAHs and PCDD/Fs in Vegetation. II) Model Development. SETAC North America, 15-18 November, Philadelphia, USA.
6. Cousins, I.T. and Mackay, D. (1999) Correlating the physical-chemical properties of phthalate esters using the 'three solubility' approach. SETAC North America, 15-18 November, Philadelphia, USA,
7. Cousins, I.T. and Mackay, D. (2000) Including vegetation compartments in multimedia fugacity models: when are they needed and how can it be done? SETAC World Congress, 21-25 May, Brighton, UK,
8. Mackay, D., Webster, E., Gouin, T. and Cousins, I.T. (2001) Assessing agrochemicals for the PBT attributes. ACS 221st Annual Meeting, 1-5 April, San Diego, USA
9. Cousins, I.T. and Mackay, D. (2001) Multimedia modelling of phthalate esters using the 'Industrialized World' Model. SETAC World Congress, 6-10 May, Madrid, Spain.
10. Palm, A., Cousins, I.T., Mackay, D., Tysklind, M., Metcalfe and Alaee, M. (2001) Assessment of the environmental fate of emerging concern: a case study of the polybrominated diphenyl ethers, including a local-scale assessment using a new recently developed urban model. Second International Workshop on Brominated Flame Retardants, 14-16 May, Stockholm University, Sweden.
11. Gouin, T., Thomas, G.O., Cousins, I.T., Barber, J., Mackay, D. and Jones, K.C. (2001) Simultaneous diurnal variation of PBDEs and PCBs in ambient air from southern Ontario. Third Annual Burlington Workshop on Brominated Flame-Retardants in the Environment, 23-24 August, 2001, Canada Centre for Inland Waters, Burlington, Ontario, Canada.
12. Cousins, I.T., Cahill, T., Clark, K. and Mackay, D. (2001) Towards a Comprehensive Quantitative Understanding of Chemical Fate and Exposure: A Case Study of Phthalate Esters. SETAC North American Congress, 11-15 November, Baltimore, USA.
13. Cousins, I.T., Staples C.A., Klečka, G.M. and Mackay, D (2002) A multimedia assessment of the environmental fate of BPA. SETAC Europe, 12-15 May, Vienna, Austria.
14. Jönsson, A., Gustafsson, Ö and Cousins, I.T. (2002) PCBs in global shelf sediments: inventories and factors affecting distribution patterns. International conference on 'Understanding and Modelling the Regional and Global Scale Distribution and Fate of POPs', 7-9 October, Lancaster University, UK.
15. Cousins, I.T. and Mackay, D. (2002) Understanding exposure of plants to phthalate esters: measurements and insights through modelling. SETAC North America, 16-21 November, Salt Lake City, Utah, USA.

16. MacLeod, M., Cousins, I.T., Cahill, T., Webster, E., Woodfine, D., Seth, R., Milford, L., Fraser, A., Gouin, T., Warren, C., Ethier, A., Hickie, B. and Bentzen, E. (2002) Environmental Pathways: Tracking Contaminants from Source to Dose. SETAC North America, 16-21 November, Salt Lake City, Utah, USA.
17. Cousins, I.T., Gouin, T. and Mackay, D. (2003) Assessing the importance of various air-surface exchange processes in estimating the atmospheric travel potential of POPs. SETAC Europe Annual Meeting, 27 April - 1 May, Hamburg, Germany.
18. Persson, N.J., Cousins, I.T., Gustafsson, Ö., Molvaer, J., Broman D. and Naes, K. (2003) A Soot-Carbon Inclusive Multimedia Model for the Fate of PCDD/Fs in the Grenlandsfjords, Norway. SETAC Europe Annual Meeting, 27 April - 1 May, Hamburg, Germany.
19. Kubiak, R., Bürkle, W. L., Cousins, I.T., Hourdakis, A., Jarvis, T., Jene, B., Koch, W., Kreuger, J., Maier, W. M., Millet, M., Reinert, W., Sweeney, P., Tournayre, J. C., Van Den Berg, F. (2003) Focus – Air: Remits and First Results. XII Symposium Pesticide Chemistry, 4-6 June, Piacenza, Italy.
20. Cousins, I.T., Prevedouros, K., Buck, R.C., Korzeniowski, S.C. (2005) Mass balance investigation of Perfluorooctanoic Acid (PFOA) environmental levels, emissions and sinks in the Northern Hemisphere. 25th International Symposium on Halogenated Environmental Organic Pollutants and Persistent Organic Pollutants, 21-26 August, Toronto, Canada.
21. Armitage, J., Cousins, I.T. (2005) Application of a simplified bioaccumulation model: Estimation of elimination half-lives for PCDD/PCDFs. 25th International Symposium on Halogenated Environmental Organic Pollutants and Persistent Organic Pollutants, 21-26 August, Toronto, Canada.
22. Prevedouros, K., Palm, A., Johansson, C., Cousins, I.T. (2005) Simulating the multimedia fate of polycyclic hydrocarbons (PAHs) in the environment of a major European centre. SETAC Europe, 22-26 May, Lille, France.
23. Korzeniowski, S., Buck, R., Cousins, I.T., Prevedouros, K. (2005) Perfluorinated Carboxylic Acids (PFCAs): Sources, Emissions, Environmental Transport and Sinks. SETAC 26th Annual Meeting in North America, 13-17 November, Baltimore, USA.
24. Breitholtz, M., Dahl, U., Bengtsson, B-E., Persson, J., Ricklund, N., Cousins I.T. (2006) A novel approach to test poorly water-soluble substances in aquatic toxicity testing. SETAC 16th Annual Meeting in Europe, 7-11 May, The Hague, Netherlands.
25. Cousins, I.T., Armitage, J., MacLeod, M., Prevedouros, K., Buck, R.C., Korzeniowski, S.H., Russell, M.H. (2006) Sources, Fate and Global Modelling of the Perfluorinated Carboxylates. SETAC 16th Annual Meeting in Europe, 7-11 May, The Hague, Netherlands.
26. Nfon, E., Cousins, I.T. (2006) Modelling PCB Bioaccumulation in a Complex Baltic Food Web Including Water and Air Breathing Species. SETAC 16th Annual Meeting in Europe, 7-11 May, The Hague, Netherlands.
27. Cousins, I.T., Persson, N.J., Armitage, J., Saloranta, T., Broman, D., Naes, K. (2006) Black carbon-inclusive fugacity modelling tool for estimating the aquatic fate of PCCD/Fs in the Grenland Fjords in Norway. Dioxin 2006: 26th International Conference on Halogenated Persistent Organic Compounds, 21-25 August, Oslo, Norway.
28. Saloranta, T.M., Barton, D.N., Armitage, J., Naes, K., Cousins, I.T. (2006) Modelling the effects and uncertainties of different sediment remediation scenarios in the Grenland Fjords, Norway. Dioxin 2006: 26th International Conference on Halogenated Persistent Organic Compounds, 21-25 August, Oslo, Norway.
29. Cousins, I.T., Armitage, J., Prevedouros, K., MacLeod, M., Buck, R.C., Russell, M.H., Korzeniowski, S.H. (2006) Investigation of the environmental distribution and arctic transport of perfluorooctanoate through the application of a global mass balance model. Dioxin 2006: 26th International Conference on Halogenated Persistent Organic Compounds, 21-25 August, Oslo,

Norway.

30. Armitage, J.M., Cousins, I.T., McLachlan, M.S. (2006) Preliminary investigation of the sources and fate of PCDDs/PCDFs in the Baltic Sea environment. 27th Annual Meeting of SETAC North America, 5-9 November, Montreal Canada.
31. Armitage, J., Prevedouros, K., Cousins, I.T., MacLeod, M., Buck, R.C., Russell, M., Korzeniowski, S. (2006) Modeling Global-Scale Fate and Transport of Perfluorooctanoate Emitted from Direct Sources. SETAC North America 27th Annual Meeting, 5-9 November, Montreal, Canada.
32. Armitage, J.M., Cousins, I.T., Prevedouros, K., Macleod, M., Russell, M.H., Buck, R.C. (2007) Global-Scale Fate and Transport of Perfluorocarboxylates and Perfluorocarboxylic Acids Emitted from Direct Sources using a Spatially-Resolved Multi-Species Model. SETAC Europe, 20-24 May, Porto, Portugal.
33. Hauck, M., Huijbregts, M.A.J., Harbers, J.V., Armitage, J.M., Cousins, I.T., Pistocchi, A. (2007) Uncertainty and Spatial Variability in European Multi-Media Fate Models. SETAC Europe, 20-24 May, Porto, Portugal.
34. McLachlan, M.S., Reth, M., Berger, U., Broman, D., Cousins, I.T., Nilsson, E.D. (2007) Quantifying the ocean-to-atmosphere transfer of perfluorinated chemicals via sea spray. SETAC Europe, 20-24 May, Porto, Portugal.
35. Armitage, J.M., Cousins, I.T., Prevedouros, K., Macleod, M., Russell, M.H., Buck, R.C. (2007) Modelling the fate and transport of PFCAs emitted from direct sources using a global-scale chemical fate model. SETAC North America 28th Annual Meeting, 11-15 November, Milwaukee, Wisconsin, USA.
36. Vestergren, R., Cousins, I.T., Trudel, D., Wormuth, M., Scheringer, M. (2008) Considering the role of precursor compounds in consumer exposure to PFOS and PFOA. Fluorinated Surfactants New Developments: 1st International Workshop, 26-28 June, Idstein, Germany.
37. Armitage, J.M., Cousins, I.T., MacLeod, M. (2008) Modelling the long-term fate and transport of PFO(A) emitted from direct sources using a two-dimensional global-scale model. Dioxin 2008: 28th International Symposium on Halogenated Persistent Organic Pollutants, 17-22 August, Birmingham, UK.
38. Vestergren, R., Cousins, I.T., Trudel, D., Wormuth, M., Scheringer, M. (2008) Considering the role of precursor compounds in consumer exposure to PFOS and PFOA. Dioxin 2008: 28th International Symposium on Halogenated Persistent Organic Pollutants, 17-22 August, Birmingham, UK.
39. Trudel, D., Horowitz, L., Wormuth, M., Scheringer, M., Cousins, I.T., Hungerbuehler, K. (2008) Estimating Consumer Exposure to PFOS and PFOA. Dioxin 2008: 28th International Symposium on Halogenated Persistent Organic Pollutants, 17-22 August, Birmingham, UK.
40. Vestergren, R. Cousins, I.T. (2009) Sources and pathways of human exposure to perfluorocarboxylates (PFCAs): A review. SETAC Europe, 19th Annual meeting, (ref: MO 278), 31 May – 4 June, Gothenburg, Sweden.
41. Vestergren, R. Cousins, I.T. (2009) Combining exposure and pharmacokinetic modelling tools for elucidating the sources of human exposure to PFOA. 12th EuCheMS International Conference on Chemistry and the Environment (ICCE) (ref: Sil P15), 14-17 June, Stockholm, Sweden.
42. Wiberg, K., Bignert, A., Cato, I., Cornelissen, G., Cousins, I.T., Hedman, J., Kiljunen, M., McLachlan, M.S., Peltonen, H., Sellström, U., Shatalov, V., Sundqvist, K. (2010) Managing the dioxin problem in the Baltic region with focus on sources to air and edible fish. BalticPOPs – a 2-year Swedish EPA research program. Dioxin 2010: 30th International Symposium on Halogenated Persistent Organic Pollutants (POPs), September 12-17, San Antonio, TX.
43. Vestergren, R., Ullah, S., Cousins I.T. and Berger, U. (2011) A matrix effect-free method for ultra-trace analysis of perfluoroalkyl acids in dietary samples. 3rd International Workshop on Anthropogenic Perfluorinated Compounds, 15-17 June, Amsterdam, Netherlands.

44. Wang, Z., MacLeod, M., Cousins, I.T., Scheringer, M., Hungerbühler, K. (2011) Estimating Physicochemical Properties of Poly- and Perfluorinated Alkyl Substances (PFAS) with a Quantum Chemistry-Based Model. 3rd International Workshop on Anthropogenic Perfluorinated Compounds, 15-17 June, Amsterdam, Netherlands.
45. Wiberg, K., Shatalov, V., Johansson, J.H., Cousins, I.T. (2011) The dioxin problem of the Baltic Sea region: Reconciling emission estimates with measured air concentrations and atmospheric deposition. Dioxin 2011, 31st International Symposium on Halogenated Persistent Organic Pollutants (POPs), 21-25 August, Brussels, Belgium.
46. Conder, J.M., Buck, R.C., Franklin, J., Berger, U., Cousins, I.T., de Voogt, P., Astrup Jensen, A., Kannan, K., Mabury, S.A., van Leeuwen, S.P.J. (2011) Perfluoroalkyl and polyfluoroalkyl substances (PFAS) in the Environment: A Review of Terminology and Hierarchy. SETAC North America 32nd Annual Meeting, 13-17 November, Boston, US.
47. Gouin, T., Armitage, J.M., Cousins, I.T., Muir, D., Ng, C. (2011) Climate Change Impacts on Exposures, Fate, Transport and Deposition of Chemicals in the Environment. SETAC North America 32nd Annual Meeting, 13-17 November, Boston, Massachusetts, U.S.
48. Johansson, J.H., Berger, U., Bignert, A., Cousins, I.T., Glynn, A., Vestergren, R. (2012) Temporal patterns in the dietary exposure to perfluoroalkane sulfonic acids and perfluoroalkane carboxylic acids. SETAC World Congress, 20-24 May, Berlin, Germany.
49. Gouin, T., Armitage, J.M., Cousins, I.T., Muir, D.C.G., Ng, C.A., Tao, S. (2012) Global climate change and influence on chemical fate and bioavailability. SETAC World Congress, 20-24 May, Berlin, Germany.
50. Kong, D., MacLeod, M., Li, Z., Cousins, I.T. (2012) Assessing and comparing the influences of uncertainty in chemical property data and variability in climate variables on the simulated fate of PCBs. SETAC World Congress, 20-24 May Berlin, Germany.
51. Vestergren, R., Berger, U., Glynn, A., Cousins, I.T. (2012) The importance of dietary intake of perfluoroalkyl carboxylic acids and perfluoroalkane sulfonic acids for the general Swedish population. SETAC World Congress, 20-24 May, Berlin, Germany.
52. Vestergren, R., Orata, F., Berger, U., Cousins, I.T. (2012) Accumulation and biotransfer of perfluoroalkyl acids in lactating cows. 4th International Workshop: Per- and polyfluorinated alkyl substances – PFAS. 7-9 November, Idstein, Germany.
53. Johansson, J.H., Berger, U., Bigenert, A., Cousins, I.T., Glynn, A., Vestergren, R. (2012) Recent temporal trends (1999-2010) in dietary exposure to perfluoroalkane sulfonaic acids and perfluoroalkyl carboxylic acids. 4th International Workshop: Per- and Polyfluorinated Alkyl Substances – PFAS, 7-9 November, Idstein, Germany.
54. Vestergren, R., Johansson, J.H., Berger, U., Glynn, A., Cousins, I.T. (2012) Human exposure to perfluoroalkyl acids. 4th International Workshop: Per- and Polyfluorinated alkyl substances – PFAS, 7-9 November, Idstein, Germany.
55. Vestergren, R., Johansson, J.H., Berger, U., Glynn, A., Bignert, A., Cousins, I.T. (2012) Temporal Trends in Dietary Exposure to Perfluoroalkyl Acids for the Swedish Population 1999-2010. SETAC North America, 11-15 November, Long Beach, CA, USA.
56. Vestergren, R., Orata, F., Berger, U., Cousins, I.T. (2012) Accumulation and Biotransfer of Perfluoroalkyl Acids in Lactating Cows. SETAC North America, 11-15 November, Long Beach, CA, USA.
57. Wang, Z., Cousins, I.T., Scheringer, M., Buck, R.C. (2012) Time-resolved global emission inventories for C4-C14 perfluoroalkyl carboxylic acid homologues from 1951 to 2050. SETAC North America, 11-15 November, Long Beach, CA, USA.
58. Wong, F., Cousins, I.T., MacLeod, M. (2012) Is there an unknown exposure pathway for PBDEs? Evidence from N. American biomonitoring data. The 32nd Symposium on Halogenated Persistent

Organic Pollutants – DIOXIN 2012, August 27, 2012, Cairns, Australia.

59. Wong, F., Cousins, I.T., MacLeod, M. (2012) Is there an unknown exposure pathway for PBDEs? Evidence from North American Biomonitoring Data. SETAC North America, 11-15 November, Long Beach, CA, USA.
60. Wong, F., Cousins, I.T, Macleod, M. (2013) Is there an unknown exposure pathway for PBDEs – evidence from North American biomonitoring data. BFR 2013 Sixth Annual Symposium on Flame Retardants, 7-10 April, San Francisco, CA, USA.
61. Persson, L., Breitholtz, M., Cousins, I.T., de Wit, D., MacLeod, M., McLachlan, M. (2013) Confronting Unknown Planetary Boundary Threats from Chemical Pollution. 23rd SETAC Europe Annual Meeting, 12-16 May, Glasgow, Scotland, UK.
62. Kong, D., Cousins, I.T. (2013) Influence of global climate change on chemical fate: temporal trends of persistent organic pollutants in the atmosphere. 23rd SETAC Europe Annual Meeting, 12-16 May, Glasgow, Scotland, UK.
63. Wang, Z., Cousins, I.T., Scheringer, M., Buck, R.C., Hungerbuehler, K. (2013) Past, present and future role of direct and indirect sources of C4–C14 perfluoroalkyl carboxylic acid (PFCA) homologues in the environment. 23rd SETAC Europe Annual Meeting, 12-16 May, Glasgow, Scotland, UK.
64. Cousins, I.T., Wong, F., Macleod, M. (2013) Understanding the exposure, body concentration and elimination of PFAS in the North American population. 23rd SETAC Europe Annual Meeting, 12-16 May, Glasgow, Scotland, UK.
65. Wong, F., Cousins, I.T., MacLeod, M., Cequier, E., Thomson, C., Becher, G., Knutsen, H.K. (2013) Is our empirical understanding of intake, body burden and elimination of PBDEs self-consistent? Case studies for the Norwegian and North American Populations. Dioxin 2013 - The 33rd International Symposium on Halogenated Persistent Organic Pollutants, 25-30 August, Daegu, South Korea.
66. Vestergren, R., Herzke, D., Cousins, I.T. (2013) Measurements of per- and polyfluoroalkyl substances (PFAS) from imported consumer products and estimations of diffuse emissions. 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, Konventum, 27-29 October, Helsingör, Denmark.
67. Vierke, L., Berger, U., Cousins, I.T. (2013) The acid dissociation constants of perfluoroalkyl carboxylic acids are <1.6. 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS. Konventum, 27-29 October, Helsingör, Denmark.
68. Wang, Z., Gomis, M.I., Cousins, I.T., Scheringer, M., Hungerbühler, K. (2013) Identification and preliminary assessment of fluorinated alternatives to long-chain perfluoroalklyl carboxylic acids (PFCAs), perfluoroalkane sulfonic acids (PFSAs) and their precursors. 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS. Konventum, 27-29 October, Helsingör, Denmark.
69. Knepper, T.P., Frömel, T., Gremmel, C., van Driezum, I., Weil, H., Vestergren, R., Cousins, I.T. (2013) Understanding the exposure pathways of per- and polyfluorinated chemicals (PFC) via use of PFC-containing products – risk estimation for man and environment. 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS. Konventum, 27-29 October, Helsingör, Denmark.
70. Herzke, D., Vestergren, R., Cousins, I.T., Moe, B., Kallenborn, R.,, Jiang, G., Wang, T. (2013) PFAS: Are point sources contaminating the environment? – Consequences for human exposure in China and Norway. 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS. Konventum, 27-29 October, Helsingör, Denmark.
71. Wong, F., MacLeod, M., Cousins, I.T. (2013) Why do women eliminate PFOS faster than men? 5th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS. Konventum, 27-29 October, Helsingör, Denmark.
72. Vestergren, R., Herzke, D., Cousins, I.T. (2013) Measurements of per- and polyfluoroalkyl substances (PFAS) from imported consumer products and estimations of diffuse emissions. 5th International

Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, Konventum, 27-29 October, Helsingör, Denmark.

73. Brorström-Lundén, E., Munthe, J., Halsall, C., Kallenborn, R., MacLeod, M., Cousins, I.T., Wöhrnschimmel, H., Rautio, A. (2014) PCBs in a changing Arctic: Towards understanding their input, transfer and uptake into Arctic biota and humans under climate change – A case study within the ArcRisk-project. Arctic Frontiers 2014 – Humans in the Arctic, 20-24 January, Tromsø, Norway.
74. Munthe, J., Brorström-Lundén, E., Cousins, I.T., Halsall, C., Rautio, A., Wilson, S. (2014) Arctic contaminant occurrence and effects in a changing climate – a synthesis of the ArcRisk project results. Arctic Frontiers 2014 – Humans in the Arctic, 20-24 January, Tromsø, Norway.
75. Kong, D., MacLeod, M., Hung, H., Cousins, I.T. (2014) Long-term temporal trends of persistent organic pollutants (POPs) at global atmospheric monitoring stations including in the Arctic: effectiveness of control strategies and possible influence of climate change. Arctic Frontiers 2014 – Humans in the Arctic, 20-24 January, Tromsö, Norway.
76. Giovanoulis, G., Bui, T., Magner, J., Palm Cousins, A., Ostman, C., de Wit, C., Cousins, I.T. (2014) Elucidating exposure pathways of phthalate esters in the indoor environment: combining measurement and modelling techniques. SETAC Europe 24th Annual Conference, 11-15 May, Basel, Switzerland.
77. Leonards, P., Andersson, H., Berger, U., Cousins, I.T., Gillgard, P., Peters, G., Posner, S., Weiss, J., Jonsson, C. (2014) Substitution of prioritized poly- and perfluorinated chemicals to eliminate diffuse sources (SUPFES). SETAC Europe 24th Annual Conference, 11-15 May, Basel, Switzerland.
78. Gomis, M.I., Wang, Z., Scheringer, M., Cousins, I.T. (2014) Are fluorinated alternatives to long-chain perfluoroalkyl carboxylic acids (PFCAs), perfluoroalkane sulfonic acids (PFSAs) and their precursors safer than the substances they replace? SETAC Europe 24th Annual Conference, 11-15 May, Basel, Switzerland.
79. Wong, F., MacLeod, M., Bu, Q., Cousins, I.T., Mueller, J., Ritter, R., Scheringer, M. (2014) Using population-based pharmacokinetic modeling to understand the intake, body burden and elimination of persistent organic pollutants in humans. SETAC Europe 24th Annual Conference, 11-15 May, Basel, Switzerland.
80. Brack, W., Barcelo, D., Altenburger, R., Bunke, D., Cousins, I.T., Dimitrov, S., Engelen, G., Faust, M., Gawlik, M., Hollender, J., Kortenkamp, A., Lopez Herraez, D., Munthe, M., Posthuma, L., Slobodnik, J., Tollefsen, K.-N., van den Brink, P., van Gils, J., van Wezel, A-M. (2014) Integrated approach for the identification, prioritisation and abatement of emerging pollutants – a SOLUTIONS – oriented approach. SETAC Europe 24th Annual Conference, 11-15 May, Basel, Switzerland.
81. Schellenberger, S., Andersson, H.M., Berger, U., Cousins, I.T., Gillgard, P., Leonards, P., Peters, G., Posner, S., van der Veen, I., Weiss, J., Jönsson, C. (2014) Substitution of prioritized poly- and perfluorinated chemicals to eliminate diffuse sources (SUPFES). 6th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, 15-18 June, Idstein, Germany.
82. Gebbink, W.A., Berger, U., Cousins, I.T. (2014) Estimating human exposure to PFOS isomers and PFCA homologues: the relative importance of direct and precursor exposure. 6th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, 15-18 June, Idstein, Germany.
83. Wang, Z., Cousins, I.T., Scheringer, M., Buck, R.C., Hungerbühler, K. (2014) Are we done with the research on sources of C4–C14 perfluoroalkyl carboxylic acids (PFCAs)? Lessons learned from recent identification of overlooked sources. 6th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, 15-18 June, Idstein, Germany.
84. Wang, Z., Gomis, M.I., Cousins, I.T., Scheringer, M., Hungerbühler, K. (2014) Modeling the physicochemical properties and environmental fate of newly identified fluorinated alternatives to long-chain perfluorinated alkyl substances (PFAS). 6th International Workshop on Per- and Polyfluorinated Alkyl Substances – PFAS, 15-18 June, Idstein, Germany.

85. Gomis, M.I., Vestergren, R., Nilsson, H., Cousins, I.T. (2014) Dynamic toxicokinetic modelling of direct and indirect (precursor) exposure to perfluorooctanoic acid in professional ski wax technicians. 34th International Symposium on Halogenated Persistent Organic Pollutants, 31 August – 5 September, Madrid, Spain.
86. Liagkouridis, I., Palm Cousins, A., Cousins, I.T. (2014) Physical-chemical properties and evaluative fate modelling of emerging and novel brominated and organophosphorus FRs in the indoor and outdoor environment. 34th International Symposium on Halogenated Persistent Organic Pollutants, 31 August – 5 September, Madrid, Spain.
87. Wiberg, K., Assefa, A.T., Bignert, A., Cornelissen, G., Cousins, I.T., Haglund, P., Hedman, J., Miller, A., Peltonen, H., Sobek, A. (2014) How do dioxin-contaminated sediments impact pelagic biota? GeoArena 2014, 13-15 October, Uppsala, Sweden.
88. Schellenberger, S., Andersson, H.M., Berger, U., Cousins, I.T., Gillgard, P., Leonards, P., Peters, G., Posner, S., van der Veen, I., Weiss, J., Jönsson, C. (2014) Substitution of prioritized poly- and perfluorinated chemicals to eliminate diffuse sources – SUPFES. 10th SETAC Europe Special Science Symposium: Bioavailability of organic chemicals - linking science to risk assessment and regulation. 14-16 October, Brussels, Belgium.
89. Johansson, J.H., Berger, U., Sellström, U., Cousins, I.T. (2014) Can the use of silanized filters reduce artefacts associated with active air sampling of perfluorinated alkyl acids? SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
90. Gomis, M.I., Vestergren, R., Nilsson, H., Cousins, I.T. (2014) Dynamic toxicokinetic modeling of direct and indirect (precursor) exposure to perfluorooctanoic acid in professional ski wax technicians. SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
91. MacLeod, M., Breitholtz, M., Cousins, I.T., de Wit, D., Persson, L., McLachlan, M. (2014) Identifying chemicals that are planetary boundary threats. SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
92. Leonards, P., Andersson, H.M., Berger, U., Cousins, I.T., Gillgard, P., Peters, G., Posner, S., Schellenberger, S., van der Veen, I., Weiss, J., Jönsson, C. (2014) Substitution of prioritized poly- and perfluorinated chemicals to eliminate diffuse sources (SUPFES). SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
93. Wang, Z., Cousins, I.T., Scheringer, M. (2014) Meta-analysis of information on the identity and PBT properties of fluorinated alternatives to long-chain perfluoroalkyl acids (PFAAs) and precursors. SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
94. Wang, Z., Cousins, I.T., Buck, R.C., Scheringer, M. (2014) Identification of overlooked sources contributing to the occurrence of C4–C14 perfluoroalkyl carboxylic acids (PFCAs) in the environment and biota. SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
95. Wong, F., MacLeod, M., Mueller, J.F., Cousins, I.T. (2014) Enhanced Elimination of Perfluorooctane Sulfonate by Menstruating Women: Evidence from Population-based Pharmacokinetic Modeling. SETAC North America 35th Annual Meeting, 9-13 November Vancouver, Canada.
96. Zhou, Z., Vestergren, R., Shi, Y., Wang, T., Liang, Y., Cousins, I.T., Cai, Y.Q. (2014) What can we learn about human exposure to perfluoroalkyl acids (PFAAs) from a cohort of highly exposed fishery employees from Tangxun Lake, China, SETAC North America 35th Annual Meeting, 9-13 November, Vancouver, Canada.
97. Schellenberger, S., Andersson, H.M., Berger, U., Cousins, I.T., Gillgard, P., Leonards, P., Peters, G., Posner, S., van der Veen, I., Weiss, J., Jönsson, C. (2014) Substitution of non-degradable fluorinated copolymers for durable water repellent (DWR) textile modification. Dresden International Textile Conference, 27-28 November, Dresden, Germany.
98. Soerensen, A.L., Björn, E., Cousins, I.T. (2014) Elevated Methylmercury Concentrations in Baltic Sea

Hypoxic and Anoxic Waters. American Geophysical Union Annual Fall Meeting, AGU 2014, 15-19 December, San Francisco, USA.

99. Bui, T., Palm Cousins, A., MacLeod, M., Cousins, I.T., Mueller, J. (2015) Improving the design of biomonitoring studies for persistent organic pollutants: Insights from population based pharmakokinetic modeling. SETAC Europe, 25th Annual Meeting, 3-7 May, Barcelona, Spain.
100. Lindim, C., Cousins, I.T., van Gils, J. (2015) Estimating the major sources of PFOS and PFOA to the Danube River catchment. SETAC Europe, 25th Annual Meeting, 3-7 May, Barcelona, Spain.
101. van Gils, J., van de Meent, D., Cousins, I.T., Georgieva, D., Kortenkamp, A., de Zwart, D., Lindim, L., Loos, S., Coppens L., van Wezel, A. (2015) An innovative integrated system of models and databases in support to the prioritisation of emerging contaminants on a European scale. SETAC Europe, 25th Annual Meeting, 3-7 May, Barcelona, Spain.
102. Winkens, K., Koponen, J., Vestergren, R., Berger, U., Cousins, I.T. (2015) The CEEP Project: Understanding Children's Exposure to Per- and Polyfluoroalkyl Substances. An international symposium on fluorinated organics in the environment, FLUOROS 2015, 12-14 July, Golden, Colorado, USA.
103. Wang, Z., Cousins, I.T., Hungerbuehler, K., Scheringer, M. (2015) From chemistry to the environment: A prospective analysis of the research into environmental exposure to PFAS in the next decade. An international symposium on fluorinated organics in the environment, FLUOROS 2015, 12-14 July, Golden, Colorado, USA.
104. Johansson, J.H., Land, M., de Wit, C.A., Cousins, I.T., Herzke, D., Martin, J.W. (2015) What is the Effect of Phasing Out Long-Chain Per- and Polyfluoroalkyl Substances on the Concentrations of Perfluoroalkyl Acids and Their Precursors in the Environment? An international symposium on fluorinated organics in the environment, FLUOROS 2015, 12-14 July, Golden, Colorado, USA. **Best Poster Prize (1st place).**
105. Gomis, M.I., Vestergren, R., Cousins, I.T., Nilsson, H. (2015) Dynamic Toxicokinetic Modeling of Direct and Indirect (Precursor) Exposure to Perfluorooctanoic Acid in the General Population. An international symposium on fluorinated organics in the environment, FLUOROS 2015, 12-14 July, Golden, Colorado, USA.
106. Johansson, J.H., Cousins, I.T., Sellström, U. (2015) Can washout of known precursors account for the PFAA concentrations measured in precipitation? An international symposium on fluorinated organics in the environment, FLUOROS 2015, 12-14 July, Golden, Colorado, USA.
107. Wang. Z., Cousins, I.T., Hungerbuehler, K., Scheringer, M. (2015) From Chemistry to the Environment – A Prospective Analysis of the Research into Environmental Hazards of and Exposure to PFAS in the Next Decade. SETAC North America 36th Annual Meeting, 1-5 November, Salt Lake City, Utah, USA.
108. Wang. Z., Cousins, I.T., Hungerbuehler, K., Scheringer, M. (2015) Assessing the Environmental Hazards of and Exposure to Long-overlooked Perfluoroalkyl Phosphonic and Phosphinic Acids (PFPAs and PFPiAs). SETAC North America 36th Annual Meeting, 1-5 November, Salt Lake City, Utah, USA.
109. Holmquist, H., Schellenberger, S., van der Veen, I., Gillgard, P., Peters, G., Leonards P., Cousins, I.T. (2015) Performance and hazard assessment of alternative fluorinated and non-fluorinated DWR (Durable Water Repellent) technologies. SETAC North America 36th Annual Meeting, 1-5 November, Salt Lake City, Utah, USA.
110. Lindim, C., vanGils, J., Cousins, I.T., Georgieva, D., Kühne, R., van de Meent, D. (2016) Spatially and temporally resolved exposure modeling with STREAM-EU: Prediction of environmental concentrations of multiple industrial compounds in European rivers. SETAC 26th annual meeting, 22-26 May, Nantes, France.
111. Boucher, J., Wang, Z., Scheringer, M., Cousins, I.T., Hungerbühler, K. (2016) Assessing the temporal

shift of concentrations of perfluorooctane sulfonic acid (PFOS) in the environment following industrial transition. SETAC Europe 26th Annual Meeting, 22-26 May, Nantes, France.

112. Schellenberger, S., Holmquist, H., Van Veen, I., Peters, G., Leonards, P., Gillgard, P., Cousins, I.T. (2016) Performance and hazard assessment of fluorinated and non-fluorinated state-of-the-art DWR-polymers. SETAC Europe 26th Annual Meeting, 22-26 May, Nantes, France.
113. Wang, Z., Cousins, I.T., Hungerbuhler, K., Scheringer, M. (2016) Precautionary Principle and Chemicals Management: Lessons Learned from Long-Chain Per- and Polyfluoroalkyl Substances (PFASs) and Their Fluorinated Replacements. Platform presentation at 36th International Symposium on Halogenated Persistent Organic Pollutants (POPs) - DIOXIN 2016, August 28, 2016, Florence, Italy.
114. Winkens, K., Koponen, J., Schuster, J., Shoeib, M., Vestergren, R., Berger, U., Karvonen, A.M., Pekkanen, J., Kiviranta, H., Cousins, I.T. (2016) Per- and polyfluoroalkyl substances in Finnish indoor air. Platform presentation at 36th International Symposium on Halogenated Persistent Organic Pollutants (POPs) - DIOXIN 2016, August 28, 2016, Florence, Italy.
115. Johansson, J.H., Salter, M., Cousins, I.T. (2016) Determination of the long-range atmospheric transport potential of perfluoroalkyl acids associated with sea spray aerosols. Platform presentation at 36th International Symposium on Halogenated Persistent Organic Pollutants (POPs) - DIOXIN 2016, August 28, 2016, Florence, Italy.
116. Wang, Z., Boucher, J., Cousins, I.T., Hungerbuhler, K. (2016) Do we understand ongoing sources of perfluorooctane sulfonic acid and its precursors? Lessons learned from developing a new global emissions inventory. SETAC North America 37th Annual Meeting, 6-10 November, Orlando, Florida.
117. Wang, Z., Cousins, I.T., Hungerbühler, K., Scheringer, M. (2017) New Mechanisms in Assessing and Managing Per- and Polyfluoroalkyl Substances? Current Needs and Our Recommendations. SETAC Europe 27th Annual Meeting, 7-11 May, Brussels, Belgium.
118. Winkens, K., Koponen, J., Airaksinen, R., Berger, U., Vestergren, R., Cousins, I.T., Karvonen, A., Pekkanen, J., Kiviranta, H. (2017) Per- and polyfluoroalkyl substances (PFAS) in individuals' serum samples over childhood. SETAC Europe 27th Annual Meeting, 7-11 May, Brussels, Belgium.
119. Focks, A., Baveco, H., Lindim, C., Cousins, I.T., van den Brink, P. (2017) Ecological modelling can link chemical exposure to effects on the population dynamics of aquatic invertebrate species for major European rivers. SETAC Europe 27th Annual Meeting, 7-11 May, Brussels, Belgium.
120. Lindim, C., van Gils, J., Cousins, I.T., Kuhne, R., Kutsarova, S., Mekenyan, O. (2017) Modelling exposure to ionizing substances with spatial and temporal resolved models: A case study for multiple pharmaceuticals in the Baltic area. SETAC Europe 27th Annual Meeting, 7-11 May, Brussels, Belgium
121. Johansson, J.H., Cousins, I.T. (2017) Are perfluoroalkyl acid isomer patterns useful markers of manufacturing origin in atmospheric samples? ICCE 2017, 18-22 June, Oslo, Norway.
122. Papadopoulou, E., Poothong, S., Koekkoek, J., Lucattini, L., Antonio Padilla-Sánchez, J., Haugen, M., Herzke, D., Valdersnes, S., Maage, A., Cousins, I.T., Leonards, P.E.G., Småstuen Haug, L. (2017) Estimating human exposure to perfluoroalkyl acids via solid food and drinks: implementation and comparison of different dietary assessment methods. ICCE 2017, 18-22 June, Oslo, Norway.
123. Koponen, J., Winkens, K., Airaksinen, R., Berger, U., Vestergren, R., Cousins, I.T., Karvonen, A.M., Pekkanen, J., Kiviranta, H. (2017) Validity of serum concentration in exposure assessment to environmental pollutants – a case study of perfluoroalkyl acids in Finnish children. 37th International Symposium on Halogenated Persistent Organic Pollutants (POPs) - DIOXIN 2017, 20-25 August, Vancouver, Canada.
124. Land, M., de Wit, C.A., Bignert, A., Cousins, I.T., Herzke, D., Martin, J. (2018) What is the effect of phasing out long-chain per- and polyfluoroalkyl substances on the concentrations of perfluoroalkyl acids and their precursors in the environment. From Knowledge to Environmental Action -

Synthesizing Evidence to Inform Decisions: 2nd International Conference of the Collaboration for Environmental Evidence, 16-20 April, Ecole des Ponts ParisTech, Champs sur Marne, Paris, France.

125. Jönsson, C., Schellenberger, S., Cousins, I.T., v. Veen, I., Roos, S., Holmquist, H., Leonards, P., Peters, G.M., Posner, S., Hanning, A. (2018) Experiences of "Substitution in Practice" SETAC Europe 28th Annual Meeting, 13-17 May, Rome, Italy.
126. Schellenberger, S., Hill, P.J., Levenstam, O., Gillgard, P., Blackburn, R.S., Goswami, P., Taylor, M., Cousins, I.T. (2018) How much function do we need in textiles? Strategies for replacing PFAS based on end-user requirements. SETAC Europe 28th Annual Meeting, 13-17 May, Rome, Italy.
127. van Gils, J., Focks, A., Baveco, H., Posthuma, L., Cousins, I.T., Lindim, C., Kutsarova, S.S., Dimitrov, S.D. (2018) High-throughput exposure and risk modelling of chemicals in European river basins. SETAC Europe 28th Annual Meeting, 13-17 May, Rome, Italy.
128. Focks, A., Cousins, I.T., van Gils, J., Birk, S., Peeters, E., van den Brink, P., Baveco, H. (2018) Forward-looking on possible impacts of chemical pollution: Modelling lethal and sublethal effects of chemical exposure on population viability for aquatic macroinvertebrates. SETAC Europe 28th Annual Meeting, 13-17 May, Rome, Italy,
129. Meng, P., Deng, S., Johansson, J., Cousins, I.T. (2018) How does the interfacial behaviour of PFAAs at air-water interfaces influence their distribution, transportation and remediation? National Meeting of the Swedish Chemical Society, 17-20 June, Lund, Sweden. **Best Presentation Prize (1st place).**
130. Filipovic, M., Kärrman, A., Benskin, J.P., Cousins, I.T., Edvinsson, J., Karlsson, E., Neuschütz, C., Holmström, S., Holmström, K., Temnerud, J., Iverfelt, U. (2018) Evaluating the current situation of PFAS in Lake Mälaren, Stockholm – distribution of PFAS in water column, surface sediment and sediment cores. Nordrocs 2018: 7th joint Nordic meeting on remediation of contaminated sites, 3-6 September, Helsingör, Denmark.
131. Johansson, J., Salter, M., Wurl, O., Stolle, C., Robinson, T.-B. Cousins, I.T. (2019) Identification of chemical compounds enriched in the Baltic Sea surface microlayer using targeted and non-targeted liquid chromatography mass spectrometry. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
132. Balk, F., Winkens, K., Ribbenstedt, A., Koponen, J., Filipovic, M., Cousins, I.T. (2019) Understanding children's exposure to perfluoroalkyl acids - a modelling approach. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
133. Cousins, I.T., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Vierke, L., Wang, Z., DeWitt, J.C. (2019) The concept of essential use for determining when uses of PFASs can be phased out. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
134. Schellenberger, S., Awad, R., Levenstam, O., Schultes, L., Plassmann, M., Benskin, J.P., Cousins, I.T. (2019) An outdoor aging study in Australia to investigate the release of per- and polyfluoroalkyl substances (PFASs) from functional rain jackets. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
135. Sha, B., Johansson, J., Salter, M., Cousins, I.T. (2019) Size-specific distribution of perfluoroalkyl substances (PFASs) in aerosols close to one of the major fluoropolymer manufacturing facilities in China. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
136. Ritscher, A., Wang, Z., Scheringer, M., Boucher, J.M., Ahrens, L., Berger, U., Bintein, S., Bopp, S.K., Borg, D., Buser, A.M., Cousins, I.T., DeWitt, J., Fletcher, T., Green, C., Herzke, D., Higgins, C., Huang, J., Hung, H., Knepper, T., Lau, C.S., Leinala, E., Lindstrom, A.B., Liu, J., Miller, M., Ohno, K., Perkola, N., Shi, Y., Haug, L.S., Trier, X., Valsecchi, S., van der Jagt, K., Vierke, L. (2019) Zurich Statement on Future Actions on Per- and Polyfluoroalkyl Substances (PFASs). SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.

137. Boucher, J.M., Cousins, I.T., Scheringer, M., Hungerbuehler, K., Wang, Z. (2019) Toward a Comprehensive Emission Inventory of C4 to C10 Perfluoroalkanesulfonic Acids and Related Precursors: Focus on the Life Cycle of C6- and C10-Based Products. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
138. Johansson, J.H., Salter, M.E., Navarro, J-C.A., Leck, C., Nilsson, E.D., Cousins, I.T. (2019) Global transport of perfluoroalkyl acids via sea spray aerosol. SETAC Europe 29th Annual Meeting, 26-30 May, Helsinki, Finland.
139. Blackburn, R.S., Cousins, I.T., Gillgard, P., Hill, P.J., Levenstam, O., Schellenberger, S., Taylor, M. (2019) Highly fluorinated chemicals in functional textiles can be replaced by re-evaluating liquid repellency and end-user requirements. In: 23rd Annual American Chemical Society Green Chemistry and Engineering Conference, 11-13 Jun 2019, Reston, VA, USA.
140. Johnson, M.S., Cousins, I.T., Buck, R.C., Weis, C. (2019) Estimating Environmental Hazard and Risks from Perfluorinated and Polyfluorinated Alkyl Substances (PFAS): Outcome of a Focused Topic Meeting. SETAC North America 40th Annual Meeting, 3-7 November Toronto, Canada.
141. Scheringer, M., Cousins, I.T., Ng, C.A. Wang, Z. (2020) The P-Sufficient Approach: why high persistence is a source of very high concern. SETAC Europe 30th Annual Meeting: SciCon, May 3-7, 2020, Online.
142. Sha, B., Johansson, J., Salter, M., Benskin, J.P., Cousins, I.T. (2020) The influence of perfluoroalkyl acid (PFAA) concentrations on the enrichment of PFAAs in sea spray aerosols (SSA) in a laboratory study. SETAC Europe 30th Annual Meeting: SciCon, May 3-7, 2020, Online.
143. Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Scheringer, M., Vierke, L., Wang, Z. (2020) Strategies for grouping per- and polyfluoroalkyl substances. SETAC Europe 30th Annual Meeting: SciCon, May 7, 2020, Online.
144. Wang, Z., Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Scheringer, M., Vierke, L. (2021) Strategies for grouping per- and polyfluoroalkyl substances (PFAS) to protect human and environmental health at RSC PFAS Round Table on March 30, 2021 (online).
145. Wang, Z., Siegrist, A., Cousins, I.T., DeWitt, J., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C., Patton, S., Scheringer, M., Trier, X., Vierke, L. (2021) An analysis of how the current REACH restriction process may serve as a basis for implementing the "essential use" concept for PFASs. SETAC Europe 31st Annual Meeting, Virtual Conference, 3-6 May, 2021.
146. Wang, Z., Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lohmann, R., Miller, M., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Vierke, L., DeWitt, J.C. (2021) Finding essentiality feasible: common questions and misinterpretations concerning the “essential-use” concept. at 2021 International Symposium on Alternatives Assessment on October 25-29, 2021 (online)
147. Arp, H.P., Allan, I.J., Stasinakis, A., Cousins, I.T., Escher, S., Goldenman, G., Gouin, T., Hahn, S., Bitsch, A., Hamers, T., Kalantzi, O.-J., Lennquist, A., Muro, M., Pahl, S., Peters, G., Riegel, M., Scheurer, M., Schliebner, I., Schymanski, E., van Bavel, B., van Duursen, M., Wang, Z., Hale, S. (2022) ZeroPM - Zero Pollution of Persistent, Mobile Substances. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
148. Wang, Z., Figuière, R., Cousins, I.T. (2022) An analysis of how the current REACH processes may serve as a basis for implementing the "essential-use" concept for PFASs. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
149. Rensmo, A., Savvidou, E., Hu, X., Zackrisson, M., Cousins, I.T., Benskin, J.P, Schellenberger, S. (2022) A proof-of-concept study on potential per- and polyfluoroalkyl substance emissions from relevant recycling processes of lithium-ion batteries. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
150. Cousins, I.T., Figuière, R., Miaz, L., Savvidou, E., Peters, G., Suffill, E., White, M., Pahl, S., Arp, H.P.,

Hale, S. (2022) ZeroPM - Alternatives Assessment. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.

151. Savvidou, E., Sha, B., Salter, M., Cousins, I.T., Johansson, J. (2022) Horizontal and vertical distribution of perfluoroalkyl acids (PFAAs) in the water column of the Atlantic Ocean. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
152. Schellenberger, S., Liagkouridis, I., Awad, R., Khan, S., Plassmann, M., Peters, G., Benskin, J.P., Cousins, I.T. (2022) An outdoor aging study to investigate the release of per- and polyfluoroalkyl substances (PFAS) from functional textiles. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
153. Borchert, F., Figuière, R., Rudén, C., Cousins, I.T., Ågerstrand, M. (2022) Applying the Essential Use Concept Within the REACH Authorisation Process. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
154. van Dijk, J., Figuière, R., Dekker, S., van Wezel, A., Cousins, I.T. (2022) Using the concept of essential use to manage PMT/vPvM substances in consumer products: A case study for cosmetics. SETAC Europe 32nd Annual Meeting, Copenhagen, 15-19 May 2022.
155. Figuière, R., Borchert, F., Wang, Z., Ågerstrand, M., Cousins, I.T. (2023) Implementation of the essential-use concept within REACH. Poster presented at the ZeroPM "Prevention Workshop": Achieving Zero Pollution of Persistent and Mobile Substances. Prevention through chemical alternatives, policy action and market transition., 7-8 February, Lindholmen Conference Centre, Gothenburg, Sweden.
156. Figuière, R., van Dijk, J., Dekker, S.C., van Wezel, A., Cousins, I.T. (2023) Managing PMT/vPvM Substances in Consumer Products through the Concepts of Essential Use and Functional Substitution: a Case-Study for Cosmetics. Invited keynote presentation at the ZeroPM "Prevention Workshop": Achieving Zero Pollution of Persistent and Mobile Substances. Prevention through chemical alternatives, policy action and market transition., 7-8 February, Lindholmen Conference 4
157. Borchert, F., Figuière, R., Cousins, I.T., Gabbert, S., Rudén, C., Ågerstrand, M. (2023) Applying the Essential Use Concept Within the REACH Authorisation Process. Poster presented at the ZeroPM "Prevention Workshop": Achieving Zero Pollution of Persistent and Mobile Substances. Prevention through chemical alternatives, policy action and market transition., 7-8 February, Lindholmen Conference Centre, Gothenburg, Sweden.
158. Figuière, R., Wang, Z., Cousins, I.T. (2023) Analysing Outcomes of the Current Regulatory Processes under REACH and the Stockholm Convention: Implications for Implementing the "Essential-Use" Concept. Poster presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
159. Borchert, F., Figuière, R., Cousins, I.T., Gabbert, S., Rudén C., Ågerstrand, M. (2023) Data for decision-making: Do REACH applications for authorisation provide sufficient and relevant information to assess the essentiality of a use? Poster corner presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
160. Sha, B., Johansson, J.H., Salter, M.E., Cousins, I.T., Blichner, S. (2023) Enrichment and Emission of Perfluoroalkyl Acids on Nascent Sea Spray Aerosol from the Oceans. Platform presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
161. van Dijk, J., Figuière, R., Dekker, S.C., van Wezel, A., Cousins, I.T. (2023) Managing PMT/vPvM Substances in Consumer Products through the Concepts of Essential Use and Functional Substitution: a Case-Study for Cosmetics. Poster corner presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
162. Dalmijn, J., Cousins, I.T., Benskin, J.P., Salter, M.E., Johansson, J.H. (2023) Presence and concentrations of replacement fluorosurfactant processing aids and other PFAS in the air downwind of fluoropolymer production plants. Platform presentation, SETAC Europe 33rd Annual Meeting,

Dublin, Ireland, 30 April - 4 May 2023.

163. Skedung, L., Savvidou, E., Schellenberger, S., Reimann, A., Cousins, I.T., Benskin, J.P. (2023) Towards a systematic workflow for screening and identification of polymeric per- and polyfluoroalkyl substances (PFAS) in consumer products. Poster presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
164. He, Z., Plassmann, M., Cousins, I.T., Benskin, J.P. (2023) Validation of a weak-anion exchange solid phase method for determination of extractable organic fluorine including trifluoroacetic acid in water samples. Poster presentation, SETAC Europe 33rd Annual Meeting, Dublin, Ireland, 30 April - 4 May 2023.
165. Arp, H.P., Cousins, I.T., Peters, G., Figuière, R. (2023) Accounting for Mobility in Alternatives Assessments Insights from the ZeroPM Project. Topics in Alternatives Assessment: Free webinar series hosted by the Association for the Advancement of Alternatives Assessment (A4), 8 June, 2023.
166. Glüge, J., Hafner, A., Scheringer, M., Cousins, I.T., Lohmann, R., Goldenman, G. (2023) Alternatives to fluorinated gases as refrigerants. Platform presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany.
167. Skedung, L., Savvidou, E., Schellenberger, S., Reimann, A., Cousins, I.T., Benskin, J.P. (2023) Screening and identification of polymeric PFAS in consumer products. Poster presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany.
168. He, Z., Plassmann, M., Cousins, I.T, Benskin, J.P. (2023) Validation of a weak-anion exchange solid phase method for determination of extractable organic fluorine including trifluoroacetic acid in water samples. Poster presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany.
169. Valsecchi, S., Dalmijn, J., Cousins, I.T., Salter, M.E., Rusconi, M., Parolini, M., Polesello, S., Roscioli, C., McCord, J., Strynar, M., Robuck, A. (2023) Identification of historical contamination and novel PFAS in wastewater of a fluoropolymer manufacturing plant (Northern Italy). Poster presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany.
170. Rensmo, A., Savvidou, E., Cousins, I.T., Hu, X., Schellenberger, S., Benskin, J.P. (2023) Lithium-ion battery recycling: a source of per- and polyfluoroalkyl substances to the environment? Poster presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany. **Best poster prize (4th place).**
171. Figuière, R., Miaz, L., Savvidou, E., Cousins, I.T. (2023) Use of the functional substitution approach to build a database of alternatives to uses of per- and polyfluoroalkyl substances. Poster presentation at FLUOROS 2023: an International Symposium of Per- and Polyfluoroalkyl Substances (PFAS), 31 August – 1 September, 2023, Idstein Germany. **Best poster prize (2nd place).**
172. Figuière, R., Miaz, L., Savvidou, E., Cousins, I.T. (2023) The functional substitution approach as a tool to build a database of alternatives to PFAS. Poster presentation at the 2023 International Symposium on Alternatives Assessment: Enhancing Safety, Health and Equity. University of Washington Tacoma, WA, USA, 24-26 October, 2023.
173. van Dijk, J., Figuière, R., Dekker, S.C., van Wezel, A., Cousins, I.T. (2023) Managing PMT/vPvM Substances in Consumer Products through the Concepts of Essential Use and Functional Substitution: a Case-Study for Cosmetics. Invited keynote presentation at the 2023 International Symposium on Alternatives Assessment: Enhancing Safety, Health and Equity, University of Washington Tacoma, WA, USA, 24-26 October, 2023.
174. Rensmo, A., Savvidou, E., Cousins, I.T., Hu, X., Schellenberger, S., Benskin, J.P. (2023) Per- and

polyfluoroalkyl substances (PFAS) in lithium ion batteries and their fate during recycling. Environmental Implications of PFAS Use in Clean Energy Technologies, Division of Environmental Chemistry, ACS Spring Meeting, 20 March, 2024.

175. Savvidou, E., Rensmo, A., Benskin, J.P., Schellenberger, S., Hu, X., Weil, M., Cousins, I.T. (2024) Alternatives to the use of per- and polyfluoroalkyl substances (PFAS) in the electrodes and electrolytes of lithium-ion batteries (LIBs). Poster presentation. SETAC Europe 34th Annual Meeting, Seville, Spain, 2-9 May 2024.
176. Figuière, R., Savvidou, E., Miaz, L., Cousins, I.T. (2024) Database of Alternatives to Per- and Polyfluoroalkyl Substances Based on the Functional Substitution Approach. Platform presentation. SETAC Europe 34th Annual Meeting, Seville, Spain, 2-9 May 2024.
177. Arp, H.P.H., Gredelj, A., Glüge, J., Scheringer, M., Cousins, I.T. (2024) How Do We Address the Global Threat of Irreversibly, Accumulating Trichloroacetic Acid (TFA)? Platform presentation. SETAC Europe 34th Annual Meeting, Seville, Spain, 2-9 May 2024.
178. Figuière, R., Wang, Z., Siegrist, A., Cousins, I.T. (2024) Implications for Implementing the "Essential-use" Concept in Chemical Regulations. Platform presentation. SETAC Europe 34th Annual Meeting, Seville, Spain, 2-9 May 2024.
179. He, Z., Plassmann, M., Cousins, I.T., Benskin, J.P. (2024) A novel fluorine mass balance method for drinking water that includes ultra-short chain perfluoroalkyl acids. SETAC Europe 34th Annual Meeting, Seville, Spain, 2-9 May 2024.
180. Figuière, R., Savvidou, E., Miaz, L., Cousins, I.T. (2024) The Functional Substitution Approach as a Tool to Build a Database of Alternatives to PFAS. Poster presentation. PFAS Conference on Alternatives 2024, Industriens Hus, H.C. Andersens Boulevard 18, Copenhagen, Denmark, 8 November 2024.
181. Figuière, R., Wang, Z., Siegrist, A., Cousins, I.T. (2024) Implementation of the "Essential-use" Concept in Chemical Regulations. Poster presentation. PFAS Conference on Alternatives 2024, Industriens Hus, H.C. Andersens Boulevard 18, Copenhagen, Denmark, 8 November 2024.
182. Lohmann, R., Cousins, I.T., DeWitt, J.C., Glüge, J., Goldenman, G., Herzke, D., Lindstrom, A.B., Miller, M.F., Ng, C.A., Patton, S., Scheringer, M., Trier, X., Wang, Z. (2024) Human and Environmental Health Concerns of Fluoropolymers. Poster presentation. PFAS Conference on Alternatives 2024, Industriens Hus, H.C. Andersens Boulevard 18, Copenhagen, Denmark, 8 November 2024.
183. Rensmo, A., Savvidou, E.K., Weil, M., Benskin, J.P., Hu, X. Schellenberger, S., Cousins, I.T. (2025) Powering the future without PFAS. Poster presentation. Battery 2030+ Annual Conference 2025, Münster, Germany 6-7 May 2025.
184. Döring, T., Sha, B., Salter, M.E., Cousins, I.T. (2025) Impacts of sea spray aerosol transport of perfluoroalkyl acids (PFAAs) on coastal regions. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
185. Cousins, I.T., Scheringer, M. (2025) Outside the Safe Operating Space of a New Planetary Boundary for PFAS: An Update. (2025) Impacts of sea spray aerosol transport of perfluoroalkyl acids (PFAAs) on coastal regions. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
186. Rensmo, A., Glüge, J., Ng, C.A., Scheringer, M., Wang, Z., Trier, X., Lohmann, R., Patton, S., Cousins, I.T. (2025) A Green Transition? An Overview of Current Uses of Per- and Polyfluoroalkyl Substances in the Shift from Fossil Fuels to Green Energy. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
187. Figuière, R., Aggarwal, R., Kirik, O., Peters, G., Cousins, I.T. (2025) The MAUT Approach for the Evaluation and Comparison of Functional Alternatives: A Case Study on Fluorinated Gases Used in Insulation Materials. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.

188. Sha, B., Salter, M.E., Cousins, I.T. (2025) The Role of Sea Spray Aerosols in the Atmospheric Transport of Perfluoroalkyl Acids to the Arctic. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
189. Gredelj, A., Arp, H.P.H., Glüge, J., Scheringer, M., Cousins, I.T. (2025) The Global Threat from the Irreversible Accumulation of Trifluoroacetic Acid (TFA). Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
190. Figuière, R., Wang, Z., Glüge, J., Scheringer, M., Siegrist, A., Cousins, I.T. (2025) Implications for Implementing the "Essential-Use" Concept in Chemical Regulations. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
191. Savvidou, E., Pomázi, F., Benskin, J.P., Cousins, I.T., Baranya, B., Posselt, M. (2025) Per- and Polyfluoroalkyl Substance (PFAS) Emissions from Lithium-Ion Battery Manufacturing: A Case Study in Germany and Hungary. Poster presentation. SETAC Europe 35th Annual Meeting, Vienna, Austria, 11-15 May 2025.
192. Fletcher, T., Cousins, I.T., Hajioff, S. (2025) Options for Community Interventions to Reduce Elevated Serum PFAS. Platform presentation at the 13th International Symposium on Biological Monitoring. Milan, Italy between 9-12 September 2025.
193. Lenschow, S.R., Sckerl, H.R., Döring, T., Cousins, I.T., Christensen, A.G. (2026) PFAS-påvirkning fra hav til land. Undersøgelser af påvirkning af jord, grundvand og overfladevand ved Husby Plantage (in Danish). ATV Soil and Groundwater Winter Meeting, Vingsted Hotel and Conference Center in Bredsten, Denmark, 2-4 March 2026.

PODCASTS AND ONLINE VIDEOS

1. Cousins, I.T., Miaz, L., Savvidou, E., Figuière, R. (2022) Episode 3: Alternatives Assessment. How to find alternatives to PFAS that are not regrettable Part 1. The ZeroPM Podcast. Available online at: https://poddtoppen.se/podcast/1630232834/zeropm/episode-3-alternatives-assessment-how-to-find-alternatives-to-pfas-that-are-not-regrettable-part-1-with-ian-cousins-luc-miaz-eleni-savvidou-and-romain-figuiere-from-stockholm-university. 27 June 2022.
2. Cousins, I.T. (2022) PERFORCE3 ITN Project Overview. Episode 1 in the PERFORCE3 Short Video Series. Available online at: https://vimeo.com/470138822. 20 October 2020.
3. Cousins, I.T. (2020) Invited long interview for the "Talking PFAS" podcast. Episode 21 of a regular podcast hosted by Kayleen Bell. October 31, 2020. Recording online at: https://podcasts.apple.com/us/podcast/ep-21-ian-cousins-sweden-we-think-the-pfass-are/id1434997639?i=1000496765839.
4. Cousins, I.T. (2022) PFAS exceeds its Planetary Boundary! A break down of the science with Ian Cousins. Recorded interview with Hans Peter Arp for the ZeroPM Project. Available on YouTube at: https://www.youtube.com/watch?v=XNBoOhkTIBA&t=8s 18 August 2022.
5. Cousins, I.T. (2022) Episode 5: PFAS in rain exceeds safe levels and its planetary boundary! A break down of the science with Ian Cousins, interviewed by Hans Peter Arp. Available at: https://poddtoppen.se/podcast/1630232834/zeropm/episode-5-pfas-in-rain-exceeds-safe-levels-and-its-planetary-boundary-a-break-down-of-the-science-with-ian-cousins-interviewed-by-hans-peter-arp. 18 August 2022.
6. Cousins, I.T. (2022) Invited long interview for the "Talking PFAS" podcast. Episode 34: "Outside safe operating space for new planetary boundary for PFAS". 14 September 2022. ZeroPM Project. Recording online at: https:S//omny.fm/shows/talkingpfas/ep-34-professor-ian-cousins-sweden-outside-safe-op.
7. Cousins, I.T. (2023) Interview for the podcast: 'Människorna bakom larmen – miljöforskningens historia' Avsnitt 1: PFAS – är vårt dricksvatten farligt? Interview conducted by Jana Johansson (in Swedish). All podcasts in the series available online at: https://www.su.se/forskning/poddar-och-

bloggar/m%C3%A4nniskorna-bakom-larmen-milj%C3%B6forskningens-historia-1.648016. Published: 7 February 2023.

8. Figuière, R., Savvidou, E., Miaz, L., Cousins, I.T. (2023) Alternatives to PFAS and PMT substances in ZeroPM: Meet the WP2 team at Stockholm University. Short Video recording for the ZeroPM project and available on YouTube at: https://www.youtube.com/watch?v=rhRoiIEerAw. 13 February 2023.
9. Cousins, I.T. (2023) Interview on PFAS by Radio Sweden (available on the weekly podcast), https://podcastaddict.com/radio-sweden/episode/168084440. Published: 8 December, 2023.
10. Cousins, I.T., Arp, H.P.H., Palm, E. (2024) Why are TFA and other PFAS a planetary boundary threat? Interview conducted by Sarah Hale as part of the ZeroPM project, Recording online at: https://www.youtube.com/watch?v=NyShFTVyu2o. Published: 6 December, 2024.
11. Cousins, I.T. (2025) Klotet (podcast) Del 2: "PFAS-striden i EU och industrins missvisande kampanjer" Interview on PFAS on Sveriges Radion, https://sverigesradio.se/avsnitt/del-2-pfas-striden-i-eu-och-industrins-missvisande-kampanjer. Published: 14 January, 2025.

LETTERS/PETITIONS WRITTEN AND SIGNED

- In 2014, I was one of 19 chemistry researchers who wrote an open letter calling on the government to set up a commission ("en haverikommission") to investigate why Swedish authorities were late in detecting the widespread contamination of drinking water with PFAS. After a meeting between the researchers and the Swedish Minster for the Environment (Åsa Romson) at the Department of the Environment, the commission was set up and an investigation conducted.
- On 24 October 2024, I sent a letter to UK ministers. The letter, which was signed by 59 international scientists, urged the UK government to strengthen its regulation of PFAS. The letter can be found here: https://chemtrust.org/scientists-urge-acton-on-pfas/
- Together with over 464 other scientists, I signed a letter sent to the main relevant EU policymakers (on 26 February 2025) urging the EU to keep our waters clean and safe. We called on the European-Commission, Member States, and the European Parliament to prioritize Europe's freshwater systems during the upcoming trilogue negotiations. We further urged policymakers to uphold the environmental objectives of the Water Framework Directive. https://www.freshwatersciences.eu/public/files/StatementofsupportforupdatedEUwaterpollutionstandards_21_03.pdf.
- Together with over 1046 other scientists, I signed a debate article in the Swedish national newspaper, Dagens Nyheter (on 25 April 2025), urging politicians not to dismiss scientific facts based on scientific consensus as one of many viewpoints. https://www.dn.se/debatt/var-forskning-kan-inte-viftas-bort-som-asikter/.
- Along with thousands of scientists globally, signed the Stockholm Declaration on Chemistry for the Future (launched on 23 May 2025). Published online; https://www.stockholm-declaration.org/.
- Signed a letter sent to the European Commission among with numerous other international researchers. This a sign-on campaign for Mixture Assessment Factor in the European chemicals regulation, REACH. The letter is available here: https://www.su.se/department-of-environmental-science/news/researchers-call-on-eu-to-strengthen-protection-against-chemical-mixtures-in-reach-revision-1.824537.

D. GRANTS AND CONTRACTS

FUNDING RECEIVED AS PRINCIPAL AND CO-INVESTIGATOR SINCE 2004 (BOLD NUMBER = FUNDING FOR SU ONLY)

- Swedish Research Council FORMAS, **1 600 000 SEK**, FreeLIB – Investigation and risk mitigation of PFAS and other hazardous fluorinated substances in lithium-ion battery recycling, 2025-2029, co-applicant.

- Swedish Environment Agency, **600 000 SEK**, Environmental monitoring of battery chemicals in the Swedish environment, 2024-2026, main applicant.
- National Natural Science Foundation of China, **150 000 SEK**, Joint collaborative project between Stockholm University and Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing. Exposure difference of novel per-/polyfluoroalkyl substances for humans in different regions or scenarios and their accurate source tracing, 2024-2028, co-applicant.
- Swedish Research Council FORMAS, **3 000 000 SEK**, Emission of perfluoroalkyl acids sea spray aerosol in coastal regions, 2024-2026, co-applicant.
- Swedish Research Council FORMAS, **3 000 000 SEK**, Impacts of sea spray aerosol transport of perfluoroalkyl acids (PFAAs) on coastal regions, 2024-2026, main applicant.
- Swedish Research Council VR, **3 700 000 SEK**, Long-range transport of pollutants associated with marine aerosols, 2022-2025, main applicant.
- Sweden's Innovation Agency, Vinnova, **100 000 SEK**, Planning contribution competence centre in sustainable industry, 2021-2022, co-applicant.
- EU Horizon 2020, **8 600 000 SEK**, ZeroPM: Zero pollution of Persistent, Mobile substances, 2021-2026, joint applicant.
- Swedish Research Council FORMAS, **3 000 000 SEK**, Meeting the challenges of applying the "essential use" concept to per- and polyfluoroalkyl substances (PFAS), 2021-2023, main applicant.
- EU Horizon 2020 Marie Sklodowska-Curie Innovative Training Network, **9 000 000 SEK**, PER and polyfluorinated alkyl substances towards the Future Of Research and its Communication in Europe (PERFORCE3), 2020-2023, main applicant (in total around 42 000 000 SEK for a PhD training network in Europe).
- EU Horizon 2020 Marie Sklodowska-Curie Research and Innovation Staff Exchange, **650 000 SEK**, INTERWASTE: Synergising International Research into the Environmental Fate and Behaviour of Toxic Organic Chemicals in the Waste Stream, 2017-2020, joint applicant, main applicant: Stuart Harrad (University of Birmingham).
- Stockholm University (competitive internal grant), **4 000 000 SEK**, 2017-2021, main applicant.
- Swedish Research Council VR, **3 560 000 SEK**, Long-range transport of pollutants associated with marine aerosols, 2017-2020, main applicant.
- Region Stockholm, **3 126 000 SEK**, Substitution in Practice of Prioritized Fluorinated Chemicals to Eliminate Sources from Healthcare (SUPFES-Health), 2017-2019, main applicant.
- Swedish Research Council FORMAS, **3 000 000 SEK**, Contribution of sea spray aerosol particles to the atmospheric deposition of perfluoroalkyl acids, 2017-2019, main applicant.
- Swedish Research Council FORMAS, **4 800 000 SEK**, Does climate change threaten fishery ecosystem services in the Baltic Sea via increased mercury contamination of biota? 2015-2017, joint applicant, main applicant: Erik Björn.
- Swedish Research Council FORMAS, **4 000 000 SEK**, Substitution in Practice of Prioritised Fluorinated Chemicals to Eliminate Diffuse Sources (SUPFES), 2013-2020, joint applicant, main applicant: Christina Jönsson.
- Swedish Research Council FORMAS, **4 120 000 SEK**, Quantifying Multiple Pathways of Human Exposure to Perfluoroalkyl acids, 2013-2015, main applicant.
- EU DGXII Seventh Framework Programme, **4 050 000 SEK**, SOLUTIONS for present and future emerging pollutants in land and water resources management, 2013-2018, joint applicant, main applicant: Werner Brack (UFZ Leipzig, Germany), multiple other applicants from various European partners.
- EU DG XII Seventh Framework Programme, **5 000 000 SEK**, Marie Curie Initial Training Network, Advanced Tools for Exposure Assessment and Biomonitoring (ATEAM), 2013-2017, joint applicant,

main applicant: Stuart Harrad, multiple other applicants from various European partners.

- Swedish Research Council FORMAS, **3 500 000 SEK**, Experimental and modelling studies to probe the unique environmental behaviour of perfluorinated acids, 2012-2014, main applicant.
- Norwegian Research Council, **2 000 000 SEK**, Are PFCs entering the human diet close to point sources in China and Norway (HOTSPOTFLUOR)? 2011-2014, joint applicant, main applicant: Dorte Herzke (NILU), other applicants: Torkjel Sandanger, Jan Ove Bustnes, Børge Moe, Roland Kallenborn, Thanh Wang, Yawei Wang, Yaqi Cai, Guibin Jiang, Han Wenya, Yongning Wu.
- German Environmental Protection Agency, **200 000 SEK**, Human exposure of perfluorinated alkyl substances arising from outdoor clothing, 2011-2012. Joint applicant, main applicant: Thomas Knepper.
- Swedish government, **3 500 000 SEK**, as part of its Strategic Research Initiative on Marine Environmental Research, Baltic Ecosystem Adaptive Management (BEAM), 2011-2014, co-applicant with Michael McLachlan, main applicant: Ragnar Elmgren and numerous others. Funding supports Emma Undeman as an assistant professor in my research group.
- Swedish EPA, **1 200 000 SEK**, BalticPOPs, 2010-2012, joint applicant, main applicant: Karin Wiberg (Umeå University), other applicants: Anders Bignert and Michael McLachlan.
- Swedish Research Council for Environment, Agricultural Science and Spatial Planning (FORMAS), **25 000 SEK**, 2010, travel grant to give an invited presentation at PacificChem in Honolulu, main applicant.
- EU DG XII Seventh Framework Programme, **3 900 000 SEK**, Marie Curie INFLAME: Indoor Contamination with Flame Retardant Chemicals: Causes and Impacts 2010-2014, joint applicant, main applicant: Stuart Harrad (University of Birmingham), multiple other applicants from various European partners.
- NORDFORSK, **1 000 000 SEK**, Nordic Network for Research on Fluorinated Compounds (NordFluor), 2010-2013, main applicant.
- EU DG XII Seventh Framework Programme, **1 300 000 SEK**, ENFIRO: Life Cycle Assessment of Environment-Compatible Flame Retardants: Prototypical Case Study, 2010-2012, joint applicant, main applicant: Pim Leonards (Vrije University Amsterdam), multiple other applicants from various European partners.
- Östergötlands Länsstyrelse, **480 000 SEK**, Modelling the Long-term Fate of Persistent Organic Pollutants in Bråviken, 2010-2011, main applicant.
- EU DG XII Seventh Framework Programme, **2 100 000 SEK**, ArcRisk: Arctic Health Risks: Impacts on health in the Arctic and Europe owing to climate-induced changes in contaminant cycling, 2009-2014, main applicant: Janet Pawlak, multiple other applicants from various European partners.
- EU DG XII Seventh Framework Programme, **4 800 000 SEK**, PERFOOD: PERFluorinated Organics in Our Diet, 2009-2012, joint applicant, main applicant Pim de Voogt (University of Amsterdam), multiple other applicants from various European partners.
- Swedish Research Council FORMAS, **2 400 000 SEK**, Mass balance of perfluorinated alkyl substances in the Baltic Sea, 2009-2012, joint applicant, main applicant: Michael McLachlan, other applicants: Urs Berger, Christoph Humborg.
- Swedish Research Council FORMAS, **9 200 000 SEK**, A sound science-based assessment of organic contaminants in the marine environment, 2009-2012, joint applicant, main applicant: Michael McLachlan, other applicants: Urs Berger, Magnus Breitholtz, Brita Sundelin,
- DuPont Chemicals, **1 400 000 SEK**, Developing modelling tools for estimating the fate and exposure of perfluorinated carboxylates and related substances, 2007-2009, main applicant. Unrestricted gift.
- Swedish Environmental Protection Agency**, 100 000 SEK**, Effect on climate change on the fate of

organic contaminants, 2006-2007, main applicant.

- DuPont Chemicals, **120 000 SEK**, Estimating sources and modelling of PFCAs, 2006, main applicant. Unrestricted gift.
- Fisk Associates, UK, **80 000 SEK,** Consultancy, Regional modelling of an organic contaminant, 2006, main applicant.
- Swedish Research Council FORMAS, **1 900 000 SEK**, Is indoor air a significant human exposure pathway for tetra-decabrominated diphenyl ethers, hexabromocyclododecane and perfluorinated compounds as well as a major emission source to outdoor air? 2006-2008, joint applicant, main applicant: Cynthia de Wit (ITM), other applicants: Ulla Sellström.
- Swedish Research Council FORMAS, **3 260 000 SEK**, Ocean-atmosphere transfer of organic, biological and toxic aerosols, 2005–2007, joint applicant, main applicant: Douglas Nilsson (ITM).
- EU DG XII, Sixth Framework Programme, **2 800 000 SEK**, EU Integrated Project NOMIRACLE: Novel Methods for Integrated Risk Assessment of Cumulative Stressors in Europe, 2005-2009, joint applicant, main applicant: Hans Løkke, multiple other applicants from various European partners.
- EU DG XII Sixth Framework Programme, **1 000 000 SEK,** EU Marie Curie Intra-European Fellowship RAMSES: Risk Assessment Methodologies for Surfactants of Environmental Significance, 2005-2007, main applicant.
- Swedish Research Council FORMAS**, 1 700 000 SEK**, Long-range atmospheric transport of particle-associated organic contaminants, especially decabromodiphenyl ether (DeBDE), 2005-2007, joint applicant, main applicant: Ulla Sellström (ITM), other applicants: Michael McLachlan.
- DuPont Chemicals, **90 000 SEK**, Estimating sources and modelling of PFCAs, 2005, main applicant. Unrestricted gift.
- WRc plc UK, **50 000 SEK**, Consultancy, Risk assessment of a petroleum product, 2005, main applicant.
- EU DG XII Sixth Framework Programme, **1 900 000 SEK**, EU Integrated Project ALARM: Assessing large scale environmental risks for biodiversity with tested methods, 2004-2008, joint applicant main applicant: Josef Settele, multiple other applicants from various European partners.
- Swedish Research Council FORMAS, **455 000 SEK**, Modelling contaminant fate in Baltic food webs and resulting exposures to wildlife and humans, 2004–2005, main applicant.
- Norwegian Research Council, ITM/Stockholm University received: **780 000 SEK**, Development of a flexible, integrated modeling tool for management of contaminated aquatic systems, 2004-2005, joint applicant, main applicant Kristoffer Næs, other applicants: Dag Broman.
- Syngenta UK, **90 000 SEK**, Consultancy, Fate and bioaccumulation of pesticides in aquatic microcosms, 2004-2005, main applicant.
- Swedish Research Council FORMAS, **630 000 SEK**, Equipment grant for Accelerated Solvent Extractor, 2004, joint applicant, main applicant: Örjan Gustafsson (ITM), other applicants: Cindy de Wit, Dag Broman, Johan Axelman.
- Swedish Environmental Protection Agency**, 75 000 SEK**, grant for planning a major application, 2004, main applicant.

E. SERVICE TO STOCKHOLM UNIVERSITY AND THE SCIENTIFIC COMMUNITY

COMMITTEES AND POSITIONS IN DEPARTMENT AND UNIVERSITY

- Faculty Appointment Committee for the Science Faculty (2017 – present)
- Member of the Department Board (2015 – 2021)
- Member of the Department Education Committee (2010 – 2019)
- Member of the Researcher Education Board (2020 – 2023)

- Head of Outreach activities in the department (2018 – 2024)
- Member of the Faculty Outreach Committee (2023 – 2024)
- Deputy Head of Department with responsibility for staffing within teaching (2024 – present)
- Member of the Department Leadership Group (2024 – present)

EXTERNAL COMMITTEES

- Member of the EU FOCUS-Air committee from 2002 to 2008, which had the task of developing new guidelines for the risk assessment of pesticides present in air.
- Search committees: evaluated several applications to the Canada Chair program, which provided tenure track and full professor positions to promising scientists to Canadian universities, applications for promotion to Associate Professor and Professor at Swedish and international universities, application to Distinguished Professor at one US university, and new academic appointments at several Swedish universities.
- Member of the awards committee for the 2023 Outstanding Achievements in Environmental Science & Technology Award from the American Chemical Society.

EXTERNAL EXPERT ON PROJECTS

- External Expert on the POPFREE project "Promotion of PFAS-free alternatives" (Stage One and Stage Two, 2016-2022) led by RISE Research Institutes of Sweden and funded by Sweden's Innovation Agency, Vinnova.
- Worked as an advisor and reviewer for the National Center for Environmental Health/Agency for Toxic Substances and Disease Registry (NCEH/ATSDR) Office of Science in the US when they conducted exposure assessments at eight communities near current or former military bases known to have had PFAS in their drinking water (2021-2022).
- External Expert on the panel of project "Development of Contamination Resistance as a Measure for Firefighter Protective Clothing" (2021-2024) led by North Carolina State University (NCSU) Textile Protection and Comfort Center (TPACC) with collaborative support from the Illinois Fire Service Institute (IFSI), International Personnel Protection, Inc. (IPP), Emergency Response Tips, LLC, and the Fire Protection Research Foundation (FPRF). Funded by the DHS FEMA Assistance to Firefighters Grant (AFG), Award No.: EMW-2020-FP-01120.
- Project Partner (collaboration through in-kind support) on the project, "P-FASE: Advancing and integrating knowledge and data on PFAS sources, fate and risks for UK environments" led by Elma Lahive from the UK Centre for Ecology & Hydrology and funded by UK Research and Innovation (UKRI) (2025-2029).

EDITORIAL WORK FOR SCIENTIFIC JOURNALS

- One of three founding Editors of *Environmental Au* (a new ACS open access journal) (Jan. 2021 – present). In June 2023, *ACS Environmental Au* was accepted for indexing in Web of Science: Emerging Sources Citation Index and will receive its first impact factor in January 2024.
- Associate Editor, *Environmental Science and Technology*, Dec. 2020 – present (handling 250–300 papers per year).
- Associate Editor, *Chemosphere* (Jan. 2012 – Apr. 2018 (stepped down)), handled >1500 articles.
- Editorial Board member of *Environmental Toxicology and Pharmacology* (Apr. 2018 – Nov. 2024).
- Editorial Board member of *Emerging Contaminants* (Sep. 2018 – present).
- Editorial Board member of *Environmental Science and Technology* (Sep. 2020 – present).
- Editorial Board member of *Environmental Au* (Jan. 2021 – present).
- Editor of special issues focusing on PFAS, one in *Chemosphere*, one in *Environmental Science and*

Pollution Research, two in *Environmental Science, Processes and Impacts* (ESPI) and *Environmental Science: Water Research & Technology* (ESWRT) and one in *Environmental Science and Technology*.

- Editor of a special issue in *Environmental Science and Technology* focusing on the Exposome.

MEMBERSHIP IN SCIENTIFIC SOCIETIES/PANELS/COUNCILS

- Elected Member of the Royal Society of Chemistry (MRSC) and Chartered Chemist (CChem), in 1994.
- Elected Member of the American Chemical Society, Environmental Division, since 1999.
- Member of Society for Environmental Toxicology and Chemistry, since 1995.
- Member of the Global PFAS Science Panel (2018– present).
- Member of the International Panel on Chemical Pollution (IPCP) (2019 – present).
- Elected Member of the Toxicology Council ("Toxikologiska rådet"), which is a Swedish expert organization with the task of identifying chemical substances that may be harmful to human health or the environment (2023 – present).
- Appointed to the Government of Jersey's PFAS Scientific Advisory Panel (2023 – present).
- Elected Member of the Scientific Council for Stockholm City's Chemicals Centre (2023 – present).

REVIEWER FOR INTERNATIONAL FUNDING PROGRAMS

- Regular reviewer of research proposals for the Swedish, Norwegian, Danish, Czech and European Union research councils, the Strategic Environmental Research and Development Program (SERDP) in the U.S., the Natural Science Engineering Research Council of Canada (NSERC), the US Agency for Toxic Substances and Disease Registry (ATSDR), the Centers for Disease Control and Prevention in the US, the US National Science Foundation (NSF), the European Research Council (ERC) and the European Chemical Industry (CEFIC) Long-range Research Initiative (LRi).

REVIEWER FOR PEER-REVIEWED JOURNALS

- Reviewer of peer-reviewed journals for: Atmospheric Environment, Chemosphere, Environmental Au, Environmental Chemistry, Environmental Health Perspectives, Environment International, Environmental Pollution, Environmental Research, Environmental Science and Pollution Research, Environmental Science and Technology, Environmental Science and Technology Letters, Environmental Science, Processes & Impacts, Environmental Science: Advances, Environmental Science: Water Research & Technology, Emerging Contaminants, Environmental Toxicology and Chemistry, Environmental Toxicology and Pharmacology Journal of Agricultural and Food Chemistry, Journal of Hazardous Materials, Journal of Occupational and Environmental Hygiene, Marine Pollution Bulletin, Nature, Nature Communications, Nature Water, Proceedings of the Natural Academy of Sciences for the United States of America, Science, Science Advances, Science of the Total Environment and Water Research.

REVIEWER FOR FACULTY APPOINTMENTS AND PROMOTIONS

- Acted as referee for the promotion of Damian Helbling from Associate Professor to Full Professor (Cornell University, USA, 2025), for the reappointment of Carrie McDonough as Assistant Professor and promotion to Associate Professor (Carnegie Mellon University, USA, 2024), for the promotion of Maria Antoniou from Assistant Professor to Associate Professor (Cyprus University of Technology, Greece, 2024), for the promotion of Thanh Wang from Associate Professor to Full Professor (Linköping University, Sweden, 2023), for promotion of Linda Lee from Professor to Distinguished Professor (Purdue University, USA, 2021), and for the promotion of Matt Simcik from Associate Professor to Full Professor (University of Minnesota, USA, 2019).

EXAMINER FOR PH.D., LICENTIATE, M.SC. AND B.SC. THESIS DEFENSES

- Member of the examining committee for the Ph.D. defense of Linda Kumblad, Department of Systems Ecology, Stockholm University, Sweden, 13 May, 2004.
- Member of the examining committee for the Ph.D. defense of Sarah Rahm, Department of Environmental Chemistry, Stockholm University, Sweden, 1 October 2004.
- Faculty opponent to the Ph.D. defense of Raphael Charles, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland. 28 October 2004.
- Faculty opponent to the Ph.D. defense of Anne Hollander, Radboud University, Nijmegen, The Netherlands, 10 September 2008.
- Member of the examining committee for the licentiate thesis defense of Emma Undeman, Department of Applied Environmental Science, Stockholm University, Sweden, 30 March 2009.
- Faculty opponent to Ph.D. defense of Lara Lamon, Department of Environmental Sciences, University Ca' Foscari of Venice, Italy, 3 March 2010.
- Faculty opponent to Ph.D. defense of Sonia Gomez, Department of Chemical Engineering and Inorganic Chemistry, University of Cantabria, Spain, 7 May 2010.
- Member of the examining committee for the licentiate thesis defense of Ingrid Tjensvoll, Department of Systems Ecology, Stockholm University, Sweden, 20 May 2010.
- Member of the examining committee for the Ph.D. defense of Anna Rotander, MTM – Man-Technology-Environment, Örebro University, Örebro, Sweden, 30 September 2011.
- Member of the examining committee for the licentiate defense of Maryam Dalirian, Department of Environmental Science, Stockholm University, Sweden, 21 November, 2014.
- Faculty opponent for the M.Res. defense (equivalent to licentiate) of Suzie Buckmaster, Lancaster University, Lancaster, UK, 24 November, 2014.
- Member of the examining committee for the Ph.D. defense of Kristin Larsson, Department of Environmental Medicine, Karolinska Institute, Stockholm, Sweden, 1 June, 2018.
- Faculty opponent to Ph.D. defense of Timothy Coggan, Centre for Environmental Sustainability and Remediation, School of Science, Royal Melbourne Institute of Technology (RMIT), Melbourne, Australia, 28 April, 2020.
- Member of the examining committee for the Ph.D. defense of Rudolf Aros, School of Science and Technology, Örebro University, Sweden, 24 September 2021.
- Member of the examining committee for the Ph.D. defense of Dauren Mussabek, Department of Building and Environmental Technology, Lund University, Sweden, 14 October 2021.
- Member of the examining committee for the M.Sc. thesis of Sean Spangol, Department of Chemistry, University of Malta, 9 November 2022.
- Member of the examining committee for the Ph.D. thesis of Jean Noel Uwayezu, Department of Civil, Environmental and Natural Resources Engineering (SBN), Luleå University of Technology (LTU), Luleå, Sweden, 31 October 2023.
- Faculty opponent for the Ph.D. defense of Xingaoyuan Xiong, Department of Biological and Chemical Engineering, Aarhus University, Aarhus, Denmark, 6 December 2023.
- Faculty opponent for the Ph.D. defense of Sofie Björklund, Department of Chemistry, Umeå University, Sweden 27 September 2024.
- Examiner of multiple M.Sc. and B.Sc. theses internally at Stockholm University.

WORKSHOPS, CONFERENCES AND NETWORKS ORGANIZED

- Chair of the Special Workshop on Recent Developments in the Environmental Chemistry of Per- and Polyfluorinated Compounds (PFCs), 14 June, 2009, Stockholm University, Sweden.

- Chair of the 3rd International Workshop on Anthropogenic Perfluorinated Compounds, 15-17 June, 2011, Amsterdam, the Netherlands.
- Co-Chair of the NoMiracle International Workshop on Exposure, 1-2 April 2008, UFZ Leipzig, Germany.
- Co-Chair of the 5th International Workshop on Fluorinated Compounds in materials, humans and the environment in Helsingør, Denmark, October 27-29, 2013.
- Coordinator of Nordfluor (Nordforsk Nordic Network for PFAS) which comprised 22 research groups from the Nordic region.
- Joint organizer of the ongoing Swedish PFAS Network with 2 meetings a year at our department.
- Chair or co-chair of multiple platform sessions at the Society of Environmental Toxicology and Chemistry (SETAC) Europe meetings focusing on PFAS (11 sessions at Maastricht 2026, Vienna 2025, Seville 2024, Dublin 2023, Copenhagen 2022, SETAC Europe 2021 and 2020 (virtual events), Helsinki 2019, Rome 2018, Nantes 2016, and Basel 2014) and other topics (3 sessions: 2 on chemical substitution at Rome 2018 and Dublin 2023 and 1 on exposure modelling at Nantes 2016).
- Co-chair of session on "Advances in Methods and Technologies for Emission Monitoring, Modelling, and Exposure Assessment of Emerging Pollutants in the Atmosphere" at the European Geosciences Union (EGU) General Assembly, Vienna 2024.
- Co-Chair of the SETAC North America Focused Topic Meeting: Environmental Risk Assessment of PFAS, 12-15 August 2019, Durham, North Carolina, US.
- Co-Chair of the ITN PERFORCE3 workshop on new research outcomes on PFAS use, human exposure and waste handling, 15 September 2021, NILU – Norwegian Institute for Air Research, Hjalmar Johansens gate, Tromsø, Norway.
- Co-Chair of the organizing committee for FLUOROS 2023, 29th August – 1st September, 2023 in Idstein, Germany.
- Co-organized a workshop on non-target screening analysis on 24 October 2024 at the Department of Environmental Science, Stockholm University, Sweden to improve the dialogue between regulators and research scientists on this topic in Sweden.

EXPERT WITNESS WORK

- Worked as an expert witness in multiple class action lawsuits in Australia regarding PFAS contamination by fire-fighting foams around military bases (2018-present) and a commercial airport (2023-present).

F. PRIZES AND ADDITIONAL MERITS

- #1 most cited paper in *Environmental Science and Technology* for 2006 and one of the most cited papers (16th most cited) in the history of the journal with >3000 citations.
- *Environmental Science and Technology* Best Technology Paper Award in 2009.
- #1 most cited paper in *Integrated environmental assessment and management* for 2011 and the most cited paper in the history of the journal with >4500 citations.
- Two papers published in *Environmental Chemistry* in 2011 were among the few papers selected as "Highlights of the Year" for the journal in 2011.
- *Environmental Science and Technology* Best Viewpoint/Feature/Perspective Article Award in 2013.
- A paper in *Emerging Contaminants* was judged as one of the highlights of the journal in 2017.
- A paper published in *Environmental Science: Processes and Impacts* in 2018 was selected by the editors as one of the year's best papers.
- Identified as a "Highly Cited Researcher" by Clarivate Analytics in 2018, 2020, 2024 and 2025. To achieve this accolade, multiple highly cited papers were published in the previous decade, which

are defined as those ranking in the top 1% by citations for a publication field and year.

- Listed among the top 2% cited scientists by Stanford University/Elsevier in 2020, 2021, 2022, 2023 and 2024.
- A paper published in *Environmental Science and Technology* Letters in 2019 was selected for ACS Editor's Choice, granting free open access for one year.
- Four papers published in *Environmental Science: Processes and Impacts* in 2019 were selected by the editors as among the year's best papers.
- Royal Society of Chemistry Environmental Science journal portfolio Best Paper Award 2020.
- *Environmental Science: Processes and Impacts* Overall Best Paper Award 2020.
- *Environmental Science: Processes and Impacts* Best Review Paper Award 2020.
- Two further papers published in *Environmental Science: Processes and Impacts* in 2020 selected by the editors as among the year's best papers.
- *Environmental Science and Technology* Best Viewpoint/Feature/Perspective Article Award in 2021.
- A paper published in *Environmental Science: Processes and Impacts* in 2021 was selected by the editors as among the year's best papers.
- Among the top 100 most followed scientists on social media (Twitter and LinkedIn) in Sweden in 2022.
- Most downloaded paper in 2022 and in the history of *Environmental Science and Technology* with >282,000 full downloads and Altmetric > 3100 (published in August 2022). This paper also won *the* Best Viewpoint/Feature/Perspective Paper Award 2022.
- Appeared on the ENDS Europe Impact List in 2023. This is a list of the EU politicians and EU professionals who have made the greatest impact in environmental policy in the past two years.
- *Environmental Science and Technology* Best Perspective Article Award in 2023.
- *Environmental Science: Processes and Impacts* Overall Best Paper Award 2023. This paper was also among the most cited in journal in 2023.
- A paper published in *Environmental Science and Technology* in 2025 was selected for ACS Editor's Choice, granting free open access for one year.