



PEPPER ACHIEVEMENTS
5 YEARS
 AND PERSPECTIVES

Participant booklet

Symposium

ENDOCRINE DISRUPTORS
 Accelerating methods validation
 to improve our protection

December 6th - Maison de la RATP

AN EVENT ORGANIZED WITH THE SUPPORT OF

LABORATOIRE
WATCHFROG


 Fondation de la Maison de la Chimie

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Edito

It is essential to identify endocrine disruptors to preserve health and the environment.

However, the need for a complete, effective, demonstrative package, including methods validated to be

universally recognized, is critical. Available methods are still few and far between, while the effects and mechanisms of action of endocrine disruption are numerous. In addition, animal studies, which are cumbersome, long and expensive, require significant resources and are subject to substitution.

At the level of the European Commission, national authorities, manufacturers and consumers, the various stakeholders have expressed the need to speed up the process.

It is in this context that France has included the public-private platform project in its National Strategy for Endocrine Disruptors. At the end of 2019, the project became a reality when the founders (Ministry of Ecology, the France Chimie and Febea Federations, the Maison de la Chimie Foundation), signed the creation of Pepper with the support of benefactors from other ministries (agriculture, labor) and the companies BASF, Bayer, LVMH and the FHER union. The association is a non-profit organization under French law of 1901 to act at the European level.

The 5th anniversary of PEPPER is an opportunity to take stock of the work carried out, to discuss the validation process and to find funding for the coming years.

The symposium was organised with the presence of the European Commission, the OECD, the Ministry of Health, the Agencies and Institutes of Europe (BfR, ECHA, ECVAM, ANSES, INSERM, INERIS), the Universities of Amsterdam, Ottawa, Uppsala, Utrecht, industry (Cefic, BASF), laboratories (Charles River, Watchfrog), employee representatives (ETUI) and NGOs (FNE).

Three sessions will focus on:

- . Methods validation in Europe, a tool for EDC policies and substance risk management: challenges and prospects
- . The transition from research to tools and methods through validation: experience and expectations of actors in the field
- . The pooling of resources and organization to accelerate the common good that is the validation of methods.

We hope that our debates will lead to pragmatic and concrete actions to accelerate the validation of methods for characterizing the hazards of chemical substances and of course Endocrine Disruptors in order to better protect health and the environment.

Philippe PRUDHON, President of PEPPER



Why Pepper ?

Pepper relates to endocrine disruptors (EDs) policies, and is oriented towards the best protection of health and environment. Pepper was born as a result of the first French National Strategy on EDs (SNPE), adopted an original approach, and was supported by a task force involving Ineris, various industries, government department and NGOs. It aims at strengthening the validation of toxicology and ecotoxicology test methods deemed necessary to characterize endocrine disruptors (EDs), and sees itself as a “missing link” between research and regulatory bodies. Its objectives are to support all people involved in the elaboration of robust methods which fulfill the criteria required to be accepted by regulatory institutions.

What is Pepper ?

Pepper is a public-private platform and a non-profit association under French law, created in 2019. Besides its founding members, it is supported by benefactor members and other entities. Pepper innovates in bringing together public authorities, various industries, federations, risk assessment agencies, NGOs and trade unions, and in adopting a pragmatic approach to fund validation.

What are Pepper objectives ?

Pepper describes itself as a validation manager and accelerator at the service of all parties involved.

It aims at :

- Identifying and documenting test methods of identification of EDs,
- Organizing tests on these methods by test laboratories (assessing reproducibility, “transferability”, etc.),
- Proposing validated methods fulfilling the required criteria to international validation authorities.

Pepper : an original governance

Pepper team grew progressively, and is now a team of 5 people, including a director and scientific director. It is supported by a Board, a General Assembly, an Ethics Committee, a Scientific Council and a Relevance Committee. A large network of partners participates in the different bodies, and over 70 experts contribute to its work. The Relevance Committee, in charge of prioritizing the methods due to receive Pepper support, brings together stakeholders from health, biodiversity, industry, scientists/scientific bodies, national and international authorities, health and environmental NGOs, and trade unions.

Pepper : a European outreach

Pepper has been a European organization from the start. This European dimension is reflected in funding, received from private and then public international stakeholders (Germany, Belgium, the Netherlands) to complement national funding, in partnerships - with agencies from several EU member states and beyond - and in the diversity of method developers and laboratories supported by Pepper.

5 years of work and achievements

- 2020 : inventory work to identify methods mature enough to fulfill authorities requirements on EDs
- 2020, 2021, 2022: 3 methods selected per year for evaluation of substances effects
- 2022 : renewed and wider missions
- 2023 : launch of the ReadED test, innovative online tool to help developers assessing the maturity of their method
- 4 scientific articles published
- 2024 : first validation report submitted for peer review, new methods included in the workplan, symposium on the advancement of work and debate on validation

PROGRAM

9 -9.30 AM: WELCOME COFFEE

Introduction Philippe PRUDHON, President, Pepper
Philippe BODENEZ, Head of Environmental health risks, Waste and Widespread pollutions Department, DGPR, Ministry of ecological transition, energy, climate and risk prevention

9.30-11 am **SESSION 1 - VALIDATION OF METHODS IN EUROPE, A TOOL FOR ENDOCRINE DISRUPTORS POLICIES : CHALLENGES AND PERSPECTIVES**

KEYNOTE SPEECH: Jordane WODLI, Policy Officer, Unit B.2 – Safe and Sustainable Chemicals, DG Environment, European Commission

Facilitation : Dr Cecile MICHEL-CAILLET, Head of the REACH-CLP-PE unit, French Agency for Food, Environmental and Occupational Health & Safety (ANSES)

- Ofelia BERCARU, Director of Prioritisation and Integration, European Chemicals Agency (ECHA)
- Bob DIDERICH, Head of Environment, Health and Safety Division, Organisation for Economic Cooperation and Development (OECD)
- Prof. Maurice WHELAN, Head of Systems Toxicology Unit and EURL ECVAM, European Commission, Joint Research Centre (JRC)
- Cécile LEMAÎTRE, General Health Directory (DGS), French Ministry of Health and Prevention
- Philippe HUBERT, Director, Pepper

Q&A session

10.45-11 AM: COFFEE BREAK

11 am-1 pm **SESSION 2 - VALIDATION, THE MISSING LINK TO MOVE FROM RESEARCH TO TOOLS AND METHODS: EXPERIENCE AND EXPECTATIONS FROM THE FIELD**

KEYNOTE SPEECH: Dr Ella ATLAS, President of Pepper Scientific Council, Health Canada

Facilitation: Sebastian HOFFMANN, seh consulting + services

- Patrick BALAGUER, Research director, Cancerology Research Institute of Montpellier (IRCM), INSERM U1194
- Prof. Majorie Van DUURSEN, Professor Environmental Health and Toxicology, Vrije Universiteit Amsterdam
- Dr Gregory LEMKINE, CEO - co-founder, Watchfrog Laboratory SA
- Dr Michael OELGESCHLAEGGER, Head of Unit Strategies for Toxicological Assessments, Department Experimental Toxicology and ZEBET, German Federal Institute for Risk Assessment (BfR)
- Prof. Joëlle RÜEGG, Professor of environmental toxicology, head of department of organismal biology, Uppsala University
- Sjoerd VERKAART, Section Head in vitro DMPK, Charles River Laboratories, NV

Q&A session

1PM-2.30 PM: LUNCH BUFFET

2.30 pm-4 pm **SESSION 3 - VALIDATION, A COMMON GOOD: MUTUALIZING RESOURCES AND ORGANIZATION TO ACCELERATE AND SECURE VALIDATION IN THE LONG TERM**

KEYNOTE SPEECH: Hans MEIJER, Coordinator team pesticides and chemicals, Dutch Ministry of Infrastructure and Water Management

Facilitation: Nathalie HOMOBONO, Chair of Risks and Security Department, General Council of Economy, Ministry of Economy, Finance and Industry, France

- Alain CHABROLLE, Vice-chair of the National Air Council, France Nature Environnement (FNE)
- Dr Laure GEOFFROY, Coordinator NAMWISE project, French National Institute for Industrial Environment and Risks (INERIS)
- Robert LANDSIEDEL, VP Special Toxicology, BASF SE
- Prof. Juliette LEGLER, Professor of Toxicology, Utrecht University
- Tony MUSU, Senior Researcher, European Trade Union Institute (ETUI)
- Pascal SANDERS, Coordinator of PARC project, Scientific director Exposure and toxicology of chemical contaminants, ANSES
- Katherine SANTIZO, LRI Programme Manager, European Chemical Industry Council (Cefic)

Q&A session

4 PM: CONCLUSION - PHILIPPE PRUDHON, PRESIDENT OF PEPPER

Speakers - Introduction



Philippe PRUDHON

President

Pepper

Philippe PRUDHON holds a PhD in Physical Chemistry (defended in January 1986). He began his career at Rhône Poulenc in 1985 at the Saint Fons Research Center on polymer analysis and then joined the Salindres site in 1988 to develop catalyst manufacturing processes for refining. Transferred to PROLABO in 1991 in Briare le Canal, he optimised the distribution center and when the business was sold to Merck, he held various positions including factory management and operations management. He joined Isochem (fine pharmaceutical chemicals) in 2001 as plant manager at Vert le Petit and then took over the industrial management of the 8 sites. He joined the France Chimie federation in May 2006 as Director of Technical Affairs, which covers topics related to the regulation of industrial sites, product regulations and Energy – Climate Change. He holds several mandates on the boards of directors of agencies INRS, INERIS, ANSES, participates in the CSPRT and the CNTE. He was President of the Environment Committee of the Medef for several years. Retired since January 1, 2024, he continues several activities as President of PEPPER, NanoMesureFrance and the promotion of Chemistry within the Foundation de la “Maison de la Chimie”.



Philippe BODENEZ

Head of Environmental health risks Waste and Widespread pollutions

Department, General Directorate for Risk Prevention (DGPR)

Ministry of ecological transition, energy, climate and risk prevention

Philippe Bodenez has been working for the General Directorate for Industry, Research and Environment, before spending 10 years in the Nuclear Safety Authority (ASN) where he participates to the control of fuel cycle facilities, to public debates on nuclear waste management and to the preparation of the 2006 Law. He first joined the General Directorate for Risk Prevention in 2009, to work on soil pollution and management of post-mining. After a short time at the General Directorate of Enterprise, he joins the cabinet of Minister Segolene Royal early 2015 as Advisor on risk prevention, and takes part in the elaboration of the Law for Ecological Transition and Green Growth and the Law for Biodiversity Protection. Mid 2017, he joins DGPR again, and has been Head of environmental health risks, waste and widespread pollutions Department since July 2018.



Elisabeth RUFFINENGO

Health and environment consultant

Elisabeth Ruffinengo holds a Masters degree in International and European Legal careers from Grenoble Universities, and specialized in environnement and health in 2004. Between 2009 and 2021, she is health and environment advocacy and project manager for the NGO WECF France. She works on national, European and international environment, health and chemical policies, and develops the Nesting project ‘create a healthy environment for your baby’. Since 2013 she has been regularly teaching environment and health to health professionals at IFSEN.



Jordane WODLI

Policy Officer

**Unit B.2 – Safe and Sustainable Chemicals, DG Environment,
European Commission**

Keynote speaker

Jordane Wodli has an engineering degree, specialised in Environment Engineering linked to Energy-plus building. He has been professionally active in the chemicals work for over 10 years, 6 of which in the European Commission. He has worked on endocrine disruptors, REACH, CLP and international agreements (Stockholm Convention, Rotterdam Convention, Global Framework on Chemicals).



Cécile MICHEL-CAILLET

Head of the REACH-CLP-PE unit

**French Agency for Food, Environmental and Occupational
Health & Safety (ANSES)**

Facilitator

After a PhD thesis at Sanofi Aventis and a post-doc at Novartis on biomarker identification using toxicogenomics, Cécile joined Anses fifteen years ago. Since then, she has worked on the risks and safety of chemical products. She is currently in charge of the unit responsible for the implementation of the French strategy on endocrine disruptors and the European regulations REACH, CLP and Cosmetics for France. The unit assesses the effects of chemicals on human health (consumers and workers) and the environment. Socio-economic analysis is also taken into account.

Cécile is an international and European expert on endocrine disruptors, nanomaterials, hazard identification, study design, study requirements and testing strategies. She was also an expert for the Joint Action on Tobacco Control. She is currently expert for UNEP/WHO on updating the State of the Science Report on EDCs. She has contributed to over 30 articles in peer-reviewed scientific journals, and edited/coordinated hundreds of expert reports and regulatory dossiers.

Her day-to-day work: ensuring safe use of chemicals in France through effective application of dedicated regulations.

Her research objective: to develop effective regulations by avoiding regulatory silos, limiting uncertainties and using the state of the art in toxicology, from read-across to biomarkers and AOPs, through the ONE health principle.



Ofelia BERCARU

Director of Prioritisation and Integration

European Chemicals Agency (ECHA)

Ofelia Bercaru joined the European Chemicals Agency (ECHA) in 2009 being involved from the early days in setting up the REACH processes, in particular on hazard assessment. She is currently leading the Directorate for Prioritisation and Integration being responsible for the strategy for selecting substances for regulatory action under REACH, CLP and other legislation and development of computational tools for data collection and priority setting. She has more than 25 years of experience in the field of chemicals management, being involved in a wide range of activities related to environmental monitoring, hazard and risk assessment. Before joining ECHA, she has been working in different positions in the European Commission and national research centres. Ofelia holds a chemistry degree from the University of Bucharest and a PhD in chemistry from the Catholic University of Leuven.



Bob DIDERICH

Head of Environment, Health and Safety Division

Organisation for Economic Cooperation and Development (OECD)

Bob Diderich has been involved in environmental hazard and risk assessment of chemical substances since 1992, when he joined the German Federal Environmental Agency. He was working in France between 1995 and 2002, first for the French Ministry of the Environment and then the French National Institute for Industrial Environment and Risks, where he was assessing the environmental risks of industrial chemicals and biocides. In 2002 he joined the Organisation for Economic Co-operation and Development where he was in charge of the OECD Cooperative Chemicals Assessment Programme and the OECD Project on (Quantitative) Structure Activity Relationships. Since 2012 he is the head of the Environment, Health and Safety Division and overseeing of all the OECD's work on chemical safety and biosafety.



Maurice WHELAN

Head of Systems Toxicology Unit and EURL ECVAM
European Commission, Joint Research Centre (JRC)

Prof. Maurice Whelan is Deputy Director of the Directorate for Health and Food of the European Commission's Joint Research Centre (JRC) based in Italy, and head of its Systems Toxicology Unit. He also heads the JRC's EU Reference Laboratory for alternatives to animal testing, better known as ECVAM. Maurice is the EU co-chair of the OECD Advisory Group on Emerging Science for Chemicals Assessment (ESCA); a member of the Steering Committee of the European Partnership for Alternative Approaches to Animal Testing (EPAA); and chair of the Regulatory Advisory Board of the European Organ-on-Chip Society (EUROoCS).



Cécile LEMAITRE

Deputy to Sub-Director of Environment and food risk prevention
General Health Directorate (DGS)
French Ministry of Health and Prevention

Cécile Lemaître studies at Cachan Ecole normale supérieure (ENS Paris-Saclay), in the biology department, from 2008 to 2012. In 2016, after a PhD in the Laboratory Gustave Roussy of Villejuif, she becomes a Doctor in virology (University Paris Diderot), and obtains in 2017 a MBA from the College of Engineers, before joining the Corps of the Engineers of Bridges, Waters and Forests in 2018. From 2018 to 2023, she works in the General Directorate for Risk Prevention at the Ministry of Ecological Transition and Territorial cohesion, first as deputy head to the head of chemicals bureau, head of emerging risks, climate, controls division (2018-2020), then as head of the chemicals bureau. In October 2023, she joins the Ministry of Health and Prevention, as deputy to Sub-Director of environment and food risk prevention in the General Health Directorate.



Philippe HUBERT

Director
Pepper

Philippe HUBERT, director of Pepper, previously headed the Ineris Chronic Risk Division (toxicology and ecotoxicology, nanos, EMF, Eds, pollutants chemical analysis, and air pollution forecasting). At the Institute for Nuclear Protection and Safety, he managed the Risk Assessment and Management department (radiation epidemiology, risk analysis, risk perception). He developed methods both for low dose and major hazard assessment. After being graduated at Ecole Polytechnique in Paris, he specialized in statistics. He belongs to the "Haut Conseil de la Santé Publique" (High council for Public health) near the ministry in charge of Health. He is the president of the French platform FRANCOPA on alternative to animal methods, and member of the board of ECOPA.

Speakers - Session 2



Ella ATLAS

President of Pepper Scientific Council
Health Canada

Keynote speaker

Dr. Atlas obtained her PhD at Queen's University, Canada. She then did her post-doctoral training at the Lawrence Berkeley National Labs, California, USA where she investigated the role of growth factors and estrogens on breast cancer progression. Since her arrival at Health Canada her research focuses on investigating endocrine and metabolic disrupting chemicals. She uses in vitro models to assess possible effects of chemicals on adipose and liver physiology. Dr. Atlas' research also investigates the effects of chemicals on breast cancer progression focusing on estrogenic effects. In addition, the Atlas lab uses toxicogenomics to inform potential modes of action and potency ranking of chemicals for risk assessment.



Sebastian HOFFMANN

seh consulting + services

Facilitator

Sebastian Hoffmann runs the consultancy seh consulting + services, specialised in validation and assessment of new approach methods (NAM) and approaches to next generation risk assessment (NGRA), in evidence-based toxicology (EBT) and in the regulation of chemicals, cosmetics and medical devices.

Being statistician by training, he received a Ph.D. for in vitro toxicology research. His activities focus on the assessment of NAMs, the construction and evaluation of testing strategies and NGRA approaches, and on advancing EBT. Sebastian contributed to numerous projects leading to the acceptance of NAM for regulatory purposes for chemicals and medical devices, e.g. for skin and eye irritation, skin sensitization and genotoxicity. He is a European Registered Toxicologist, member of the European Commission's ECVAM Scientific Advisory Committee, and member of the BfR's Committee for Evidence-Based Methods in Risk Assessment.



Patrick BALAGUER

Research director, Cancerology Research Institute of Montpellier
INSERM

Patrick BALAGUER is INSERM Research Director at the Montpellier Cancer Research Institute (IRCM - INSERM U1194). He leads a cell screening platform (PCC) whose scientific projects focus on the study of environmental endocrine disruptors and their effects on carcinogenesis (breast, prostate, colon and liver). Patrick BALAGUER has established over 200 cell lines expressing various human, mouse and zebrafish nuclear receptors, which she uses to screen natural, pharmaceutical and environmental ligands of nuclear receptors in ANR, ANS-ES and European research projects. These cell lines are also used to measure the contamination of environmental samples of water, air and soil in collaboration with INERIS and in the European PARC project. Currently, 3 of these cell lines (GR-, RAR and LMR-TA) are being validated by the PEPPER platform.



Majorie van DUURSEN

Professor Environmental Health and Toxicology
Vrije Universiteit Amsterdam

Majorie van Duursen is Professor of Environmental Health and Toxicology at the Faculty of Science of the Vrije Universiteit (VU) Amsterdam. Prof van Duursen has been involved in various (inter)national projects on the harmful effects of chemicals with special emphasis on women's health and the developing child. In her research, she develops and applies in vitro models, using 3D cultured (primary) human cells in a relevant tissue microenvironment to increase mechanistic understanding on how chemicals can modulate biological pathways, specifically steroidogenesis. Prof van Duursen was coordinator of the EU-funded project FREIA that aims to improve test methods for identification of endocrine disruptors that affect female reproductive health. Prof van Duursen is European Registered Toxicologist. She participates in various national and international organizations and committees related to environmental health issues, such as ECHA, EFSA and WHO.



Gregory LEMKINE

CEO - co-founder

Watchfrog Laboratory SA

Gregory Lemkine is director of Watchfrog Laboratory SA. He holds a PhD on the endocrine control of mammal brain stem cells from the National Museum of Natural History (Paris). His training includes a practical training cycle of HEC school management. Since 15 years, Watchfrog laboratory is entirely dedicated to endocrine disruptors.



Michael OELGESCHLAEGER

Head of Unit Strategies for Toxicological Assessments

Department Experimental Toxicology and ZEBET

German Federal Institute for Risk Assessment (BfR)

Dr Michael Oelgeschläger studied biology in Hannover/Germany and Boston/USA and completed his PhD thesis in molecular biology 1997. After Post-doc work in Hannover and Los Angeles, he became an independent group leader at the Max-Planck Institute for Immunology (Freiburg, Germany) and habilitated in the field of developmental biology before he joined the BfR in 2002. Since 2014 he is the German national coordinator of the OECD Test Guideline Programme (human health) and since 2016 head of the Unit "Strategies for Toxicological Assessments". His research focusses on the standardization, and optimization of test methods considering e.g. the circadian rhythm and the development of HT and/or HC compatible testing approaches with a focus on endocrine disruption, organ toxicity and carcinogenicity.



Joëlle RUEGG

*Professor of environmental toxicology, head of department
of organismal biology*
Uppsala University

Joëlle Rüegg is professor of environmental toxicology as well as head of the department of organismal biology at Uppsala University. She conducted her PhD at the Max Planck Institute of Psychiatry and the Ludwig Maximilian University Munich, Germany, and obtained a PhD in biochemistry “summa cum laude” in 2004. After self-funded postdoc positions at Karolinska Institute in Sweden (2005-2009) and researcher positions at the University of Basel, Switzerland (2010-2013), and Karolinska Institute (2013-2019), she became professor of environmental toxicology at Uppsala University in 2019. Her research focuses on deciphering molecular mechanisms underlying neurodevelopmental effects of endocrine disruptors and chemical mixtures, with particular focus on epigenomics and multigenerational effects.



Sjoerd VERKAART

Section Head in vitro DMPK
Charles River Laboratories, NV

Sjoerd Verkaart is a molecular and cell biologist by training. He obtained his PhD at the Radboud University, Nijmegen, The Netherlands setting up cell-based assays to study mitochondrial disease. After working in various scientific roles at the Radboud University, he joined Charles River laboratories, Den Bosch, The Netherlands in 2016 as a Study Director / Project Manager on the topic in vitro endocrine disruption assays. In this role he became familiar with working under GLP and endocrine disruption and was responsible for the timely management and result interpretation of in vitro ED studies requested by clients. He continued his work at CRL as a Group leader in vitro ED, where he became more and more involved in the validation and implementation of new in vitro ED assays in close collaboration with the PEPPER platform. Currently, he is heading the in vitro ADME section at CRL aiming implement, validate and merge various in vitro metabolism and ED assays.



Hans MEIJER

Keynote speaker

Coordinator team pesticides and chemicals

Dutch Ministry of Infrastructure and Water Management

Hans Meijer studied Environmental Science at the Wageningen University, the Netherlands, and holds a thesis on purification of industrial wastewater. He started to work for the Ministry of Environment in 1991, first in the area of waste (waste shipment, national waste policy plan), and subsequently worked on environmental aspects of greenhouses as well as on policy on biocidal products. After this, he spent four years in the European Commission as Seconded National Expert in the area of clean air and transport (air emissions from inland and international shipping). He then returned to the Dutch Ministry of Infrastructure and Water Management, to work on nanomaterials and endocrine disrupters and became team coordinator of a team of 24 dealing with the safety of chemicals, biocidal products and pesticides used outside agriculture and also on the policy to reduce the emissions to the environment of the most harmful chemicals.



Nathalie HOMOBONO

Facilitator

Chair of Risks and Security Department

General Council of Economy, Ministry of Economy, Finance and Industry, France

Nathalie HOMOBONO is chair of the “safety and risk” department at the General council for the Economy (CGE) of the French ministry for Economy and Finance. Between 2009 and 2018, she was director general in the Directorate-General for competition policy, consumer affairs and fraud control (DGCCRF). Previously, she was deputy director general in the Directorate-General for Enterprises (DGE).

She started her career in the field of industrial development.

Nathalie graduated as an engineer from Mines ParisTech and holds a PhD in mathematics and computer science.

Since November 2021, she is also chair of the board of INERIS.



Alain CHABROLLE

Vice-chair of the National Air Council

France Nature Environnement (FNE)

Alain Chabrolle is a trained chemical engineer, who studied the future of pesticides in water. During his career, he has been dealing with depollution, with a focus on industrial discharge. In parallel, he has been an active member of associations for nature and environment protection for 50 years, and has worked on issues like Rhone pollution by PCBs. He has been involved from the beginning in health and environment and risks and industrial impacts networks of France Nature Environment (FNE). From 2010 to 2015, he is Health and Environment Vice-President of Rhone-Alpes regional council. A member of various official bodies (Biodiversity COPs, European Green Days, etc.), he has been involved in the first “Grenelle de l’environnement” process, and participated from the beginning to the National Steering Committee on Health and Environment, the National Health and Environment Action Plan, and of National EDCs strategy. He is now a member of the French National Council for Ecological Transition (CNTE) and its committees. In 2015, he co-organized the first “One Health” symposium at VetAgroSup. He is an actor of territorial and local health and environmental policies, and has a special interest for EDCs impacts on babies and children, on ecosystems/fauna in relation with climate change, and on research on substitution and concrete approaches to achieve change uses.



Laure GEOFFROY

Coordinator NAMWISE project

French National Institute for Industrial Environment and Risks (INERIS)

Laure GEOFFROY, Ecotoxicologist at INERIS, holds a PhD in Ecotoxicology from Reims Champagne-Ardenne University (France) in collaboration with UQAM (university of Quebec in Montreal, Canada).

At Ineris, she is a specialist in the field of chemicals regulation, with particular expertise in REACh and CLP regulations. As a member of ECHA’s Risk Assessment Committee, she plays a key role in drafting the committee’s opinions on classification and restriction proposals. She is also instrumental in addressing issues related to the use and promotion of NAMs in chemical risk assessment. She spearheads the French Platform dedicated to developing, validating and disseminating alternative methods in animal experimentation. For Ineris, she oversees the coordination of NAMWISE (NAMs Within Integrated Safety & Efficacy evaluation of chemicals and pharmaceuticals).

The overarching aim of NAMWISE project is to encourage and facilitate the uptake of NAMs (New Approach Methodologies) by providing a defined set of recommendations with concrete guidance and associated training resources on how effectively validate, integrate, and use NAMs for the assessment of the safety and efficacy of chemicals and pharmaceuticals. This initiative will implement a multi-actor approach bringing together NAM developers, users, regulators and stakeholders from both the chemical and pharmaceutical sectors: project activities will be largely based on an iterative dialogue among the stakeholders belonging to the project, and beyond the consortium, to reach a consensus on the most critical aspects regarding NAMs.



Robert LANDSIEDEL

VP Special Toxicology

BASF SE

Robert Landsiedel is Vice President of special toxicology at BASF SE in Ludwigshafen am Rhein, Germany. He previously worked for BASF in development, regulatory and management roles in the USA and in Japan. He is an associate professor (Privatdozent) at the Free University of Berlin and the current president of the German Society of experimental and clinical Pharmacology and toxicology (DGPT). His team at BASF is performing more than 500 regulatory toxicological studies per year under GLP, GIVIMP and ISO17020 as well as screenings for product development. In addition, they are developing and validating new toxicological methods and testing strategies.



Juliette LEGLER

Professor of Toxicology

Utrecht University

Juliette Legler is Professor of Toxicology and chair of the Toxicology division at the Institute for Risk Assessment Sciences, Utrecht University, The Netherlands. She coordinated the EURION cluster from 2019-2020, and coordinates the European GOLIATH project on method development for identification of EDs which play a role in metabolic disorders.



Tony MUSU

Senior Researcher

European Trade Union Institute (ETUI)

Tony Musu holds a first degree in Chemical Engineering from the University of Brussels and a PhD in from the Institut Pasteur in Paris. After his PhD, he spent 5 years as a researcher in industry dealing with the safety assessment of chemicals. Since 2003, he has been working as researcher in the ETUI's Health and Safety Department. On behalf of the ETUC, he takes part in various REACH-related EU working groups and he was a Board member of the European Chemicals Agency (ECHA) in the period 2007-2012. He is also a member of the Ad Hoc WG on Chemicals within the Luxembourg Advisory Committee on Health & Safety at work. In that framework he is currently working on the next revision of the CMR Directive, the EU indicative list of Hazardous Medicinal Products, endocrine disruptors and combined effects.



Pascal SANDERS

Coordinator of PARC project, Scientific director Exposure and toxicology of chemical contaminants

French Agency for Food, Environmental and Occupational Health and Safety (ANSES)

Pascal Sanders has worked in the field of risk assessment of veterinary medicinal products and headed the ANSES laboratory in Fougères. He is currently coordinator of the EU Partnership for Risk Assessment of Chemicals (PARC). In his role in PARC, Sanders promotes collaboration between regulatory bodies and research institutions to improve chemical risk assessment in Europe and support human biomonitoring and environmental monitoring. It has been instrumental in developing innovative methodologies and harmonising data standards for the monitoring of veterinary drug residues in food and for the surveillance of antimicrobial resistance. Its scientific objective is to ensure that regulatory decisions are based on sound scientific evidence.



Katherine SANTIZO

LRI Programme Manager

European Chemical Industry Council (Cefic)

Katherine Santizo joined Cefic in October 2023 as the programme manager for its Long-range research initiative (LRI). She holds a Bachelor's degree in Chemical Engineering from the University of California, Santa Barbara a Ph.D. in Water Resources Engineering from Virginia Tech. She has a comprehensive research background working in academia and industry on topics such as environmental chemistry and contaminant fate and transport.

Event steering committee : Philipp Prudhon, Philippe Hubert, Pepper
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Graphic design and creation : Arnaud Zetlaoui
LinkedIn communication, webiste, posters : Aurelia Boige, Altertox
Administrative support : Louissette Kaisermann, Pepper

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