2019 CEFIC-LRI ANNUAL WORKSHOP

Word of welcome, programme overview

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Regulatory Toxicologist, The Dow Chemical Company

November 21, 2019
Brussels, Belgium
THE LONG-RANGE RESEARCH INITIATIVE: A GLOBAL COMMITMENT

- Commitment demonstration to Responsible Care (RC) and Global Product Strategy (GPS)
- A global effort under ICCA:
  - American Chemistry Council (ACC)
  - Japan Chemical Industry Association (JCIA)
  - European Chemical Industry Council (Cefic)
LRI-ICCA GLOBAL RESEARCH STRATEGY

- Strategy revised in July 2018
- Funding research projects in 3 priority areas:
  - Innovating chemical testing
  - Understanding everyday exposures to chemicals
  - Translating research outcomes for product safety
- LRI-ICCA research portfolio: https://www.icca-chem.org/icca-long-range-research-initiative/
WE PROVIDE FUNDING OPPORTUNITIES TO PUBLIC & PRIVATE STAKEHOLDERS

CEFIC-LRI REQUEST FOR PROPOSALS
Project grants on chemical risk assessment
3 500 000 €
- 260+ projects since the creation of Cefic-LRI
- 200+ experts on risk assessment issues

CEFIC-LRI INNOVATIVE SCIENCE AWARD
A stepping stone for future scientific leaders
100 000 €

LRI – 20 YEARS OF LRI ADVANCEMENTS IN RISK ASSESSMENT
THE CEFIC-LRI PROJECT FUNDING PROCESS

- June
  - Request for Proposals (RFPs)

- August
  - Expression of Interest (EoI)
  - URI Website

- November
  - Results announcement

- September
  - Proposals evaluation and selection
  - Selection committee

- January
  - Research Agreement
  - LRI
  - Leading research institution

- March
  - Research project starts
  - LRI
  - Leading research institution
IT TAKES A TEAM

- Investigators

LRI External Scientific Advisory Panel (ESAP)

American Chemistry Council

LRI Issue Team

40 eceIsc Monitoring Scoping meetings

Project definition Funding Dissemination

LRI – 20 YEARS OF LRI ADVANCEMENTS IN RISK ASSESSMENT
Focus Areas of the last 20 years

- Development and validation of meaningful testing and assessment methods for Endocrine active substances
- Computational Tools
- Bioaccumulation
- Persistence
GOING FORWARD: CEFIC-LRI KEY QUESTIONS

- **Big data**: How to link information at the molecular level to health impacts, and how to interpret data for meaningful decision-making?
- **Predictive tools for health impact**: What are pragmatic approaches to reduce complexity and improve trust in predictions of health effects?
- **Developmental toxicity**: How to optimize the collection and analysis of toxicological and epidemiological data on the exposure of sensitive populations?
- **Comparative assessment**: How to take confounding factors into account when interpreting the impact of health and environmental stressors?
- **Environmental risk assessment**: How to ensure environmentally relevant risk assessment for ecotoxicology and fate endpoints?
- **Human health risk assessment**: How to ensure relevance and improve trust in human health risk assessment data for regulatory purposes?
Projects presented as talks today

Non-animal methods fit for risk assessment

- PBPK platform
- QIVIVE
- TTC Cancer database
- bioaccumulation estimation by modelling + in vitro

Understanding exposure

- Indoor exposure screening
- Occupational dermal and inhalation exposure

Environmental relevance and applicability range of test methods

- Microbial community adaptation in P testing
- Bioaccumulation of surfactants
- Water solubility
# AGENDA

## MORNING

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<th>Session</th>
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<tr>
<td>9:00 - 10:00</td>
<td>Thematic session: Addressing microplastic risk assessment: where next?</td>
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<td>Chair: Dr Jens Otte, BASF, DE</td>
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<td>10:00 - 13:00</td>
<td>Plenary session I: Human health risk assessment</td>
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<td>Finishing LRI projects with impact on exposure modelling and assessment, in-vitro concentrations, and carcinogen thresholds</td>
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<td>Chair: Dr Bruno Hubesch, LRI Programme Consultant, Innovation, Cefic, BE</td>
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<td>13:00 - 14:30</td>
<td>Lunch</td>
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## AGENDA

### AFTERNOON

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<th>Speaker/Details</th>
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| 14:30 – 16:40 | Plenary session II: Environmental risk assessment  
Finishing LRI projects with impact on bioaccumulation, water solubility and adaptation of microbial communities  
Chair: Dr Bruno Hubesch, LRI Programme Consultant, Innovation, Cefic, BE |                                                                                  |
| 16:30 – 16:40 | Cocktails in Stresa  
Dr Rick Becker, American Chemistry Council (ACC), US |                                                                                  |
| 16:40 – 16:50 | Conclusions of the workshop and future perspectives on the Cefic-LRI programme  
Dr Pierre Barthelemy, Executive Director, Innovation, Cefic, BE |                                                                                  |
| 16:50 – 17:00 | Close of Cefic-LRI Workshop 2019  
Dr Bruno Hubesch, LRI Programme Consultant, Innovation, Cefic, BE |                                                                                  |
Enjoy the networking and expanding your horizon!

LRI SECRETARIAT

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