Transforming the Evaluation of Agrochemicals (TEA)

Our Mission
The committee’s mission is to establish a roadmap supporting the development of fit-for-purpose safety evaluation for agrochemicals that is applicable to changing goals as well as local needs for evaluation and regulatory decisions that can incorporate relevant evolving science inputs.

Chairs
Public Chairs
Dr. Rhian Cope (Australian Pesticides and Veterinary Medicines Authority)
Dr. Anna Lowit (US Environmental Protection Agency)
Dr. Eliana Munarriz (University of Buenos Aires)
Dr. John Doe (Liverpool John Moores University)
Dr. Gina Hilton (PETA International Science Consortium)

Private Chairs
Dr. Douglas Wolf (Syngenta)
Dr. Tina Mehta (Adama Agricultural Solutions)
Dr. Richard Currie (Syngenta)
Dr. Marco Corvaro (Corteva Agriscience)

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Dr. Sandrine E. Deglin (sdeglin@hesiglobal.org)
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Webpage
https://hesiglobal.org/transforming-the-evaluation-of-agrochemicals-tea/

2021 Committee Highlights

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<th>Participating Organizations</th>
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<td>8 government/regulatory agencies, 6 academic/research institutes, 7 industry, 3 others, and 4 consulting</td>
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<th>Publications</th>
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<td>1 in progress</td>
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<th>Geographic Representation</th>
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<tr>
<td>Argentina, Australia, Brazil, Canada, Italy, Japan, Netherlands, Singapore, United Kingdom, and United States</td>
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Working Groups

State of the Regulatory Science. Regulatory agencies from Canada, Europe, and the US are performing a review of what regulatory guidelines are being used for the safety evaluation of crop protection products to determine their frequency of use.

Problem Exploration. Three subteams were formed to explore the problem statement that was established by the committee. Teams from South and North America, Asia/Oceania, and Europe reflected on the meaning of each key term of the problem statement so a strategy could be developed to solve the problem. The exercise was performed for both the human and ecological safety aspects of the problem.

Manuscript. A manuscript is being developed to present the TEA project and its purpose, as well as to raise awareness about the work of the committee in the hope to expand recruitment.

Areas of Focus for 2022
• Complete the state of the regulatory science review and analyze the results to determine which individual guidelines or type of information could potentially be replaced by newer methods or include newer scientific knowledge.
• Publish a manuscript in 1Q 2022.
• Perform outreach to broaden recruitment with a focus on the APAC region. (Committee members will chair a session at the next ICT meeting in 2022. An abstract was also submitted for the ONE 2022 meeting.)

Strategic Impact Areas

Enhanced Efficiency and Accuracy in Safety Assessment Practice
This project will integrate new approach methods for the safety evaluation of agrochemicals to efficiently generate robust data for integrated human and ecological safety assessment while decreasing animal use. It will also emphasize how to leverage existing knowledge and minimize the needs for testing.
Publications

In Progress
Authors TBD. Transforming the evaluation of agrochemicals. In preparation.

Participating Organizations

Government/Regulatory Agencies
Australian Pesticides and Veterinary Medicines Authority
Brazilian Health Regulatory Agency (ANVISA)
European Commission, Joint Research Centre
European Food Safety Authority
Health Canada
National Institute for Public Health and the Environment (RIVM, The Netherlands)
National Institute of Environmental Health Sciences
US Environmental Protection Agency

Academic/Research Institutes
Liverpool John Moores University
São Paulo State University
University of Buenos Aires
University of California, Riverside
University of Illinois
University of Nebraska Medical Center

Industry
Adama Agricultural Solutions
BASF
Bayer
Corteva Agriscience
FMC Corporation
Sumitomo Chemical Co.
Syngenta

Others
National Centre for the Replacement, Refinement, and Reduction of Animals in Research (NC3Rs, UK)
PETA International Science Consortium
Physicians Committee for Responsible Medicine

Consulting
Exponent, Inc.
Juberg Toxicology Consulting
Penman Consulting
Planitox