Delivering the Vision of the European Citizens´ Initiative Through Scientific and Regulatory Innovation

Tess Renahan, PhD

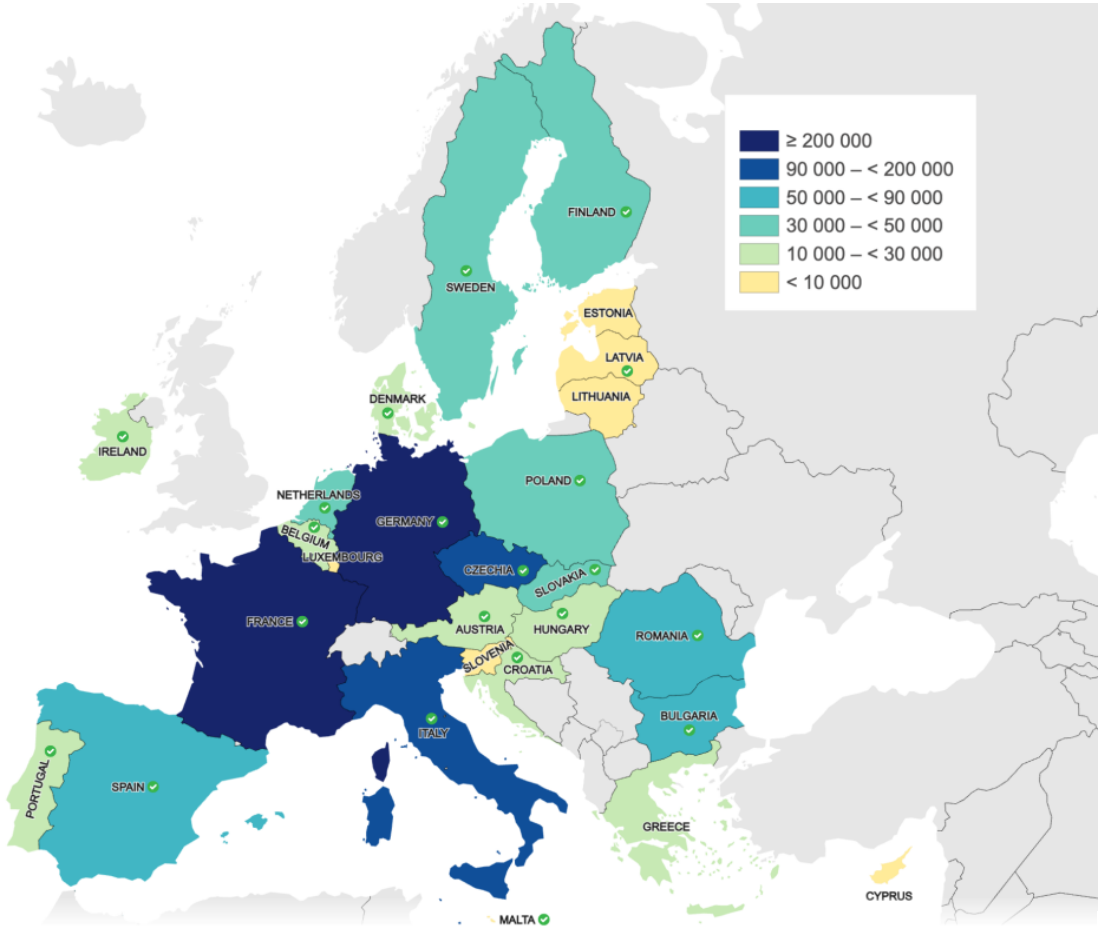
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European Citizens´ Initiative

Save
Cruelty Free
Cosmetics

Commit to a Europe
without Animal Testing

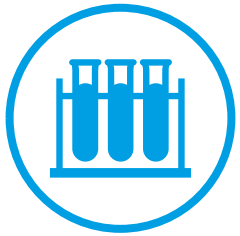


Administrative boundaries: © EuroGeographics © UN–FAO © Turkstat
Cartography: Eurostat – IMAGE, 02/2025

European Citizen´s Initiative: Objectives



Protect and strengthen the EU ban on animal testing for cosmetics



Transform EU chemicals regulation by advancing non-animal methods



Modernise science through a roadmap to phase out animal testing

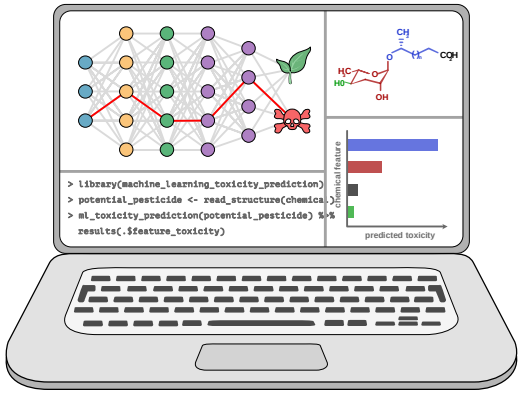
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The Commission´s Response

- Reduction of animal testing in research, education, and training
- EU funding for research
- **Roadmap** towards replacing animal testing in chemical safety assessments

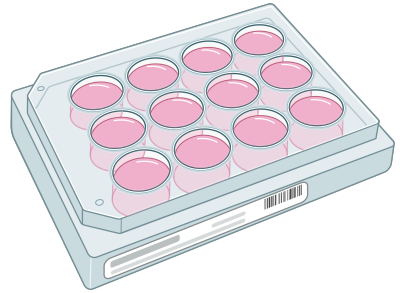


Non-Animal Approaches as Default



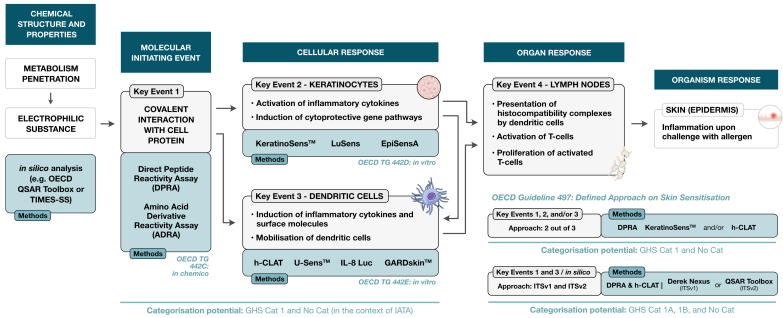
Computational tools

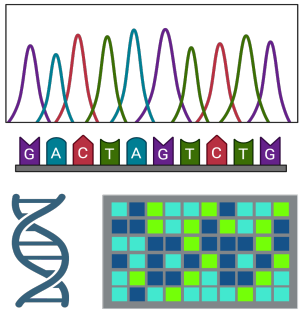
Human cell-based assays



Available non-animal approaches

Adverse outcome pathway





High-throughput sequencing



Modelling

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Frameworks

- Validation strategy
- Mechanistic understanding
- Information objectives

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Guidance Document on the Validation and International Acceptance of New or Updated Test Methods for Hazard Assessment



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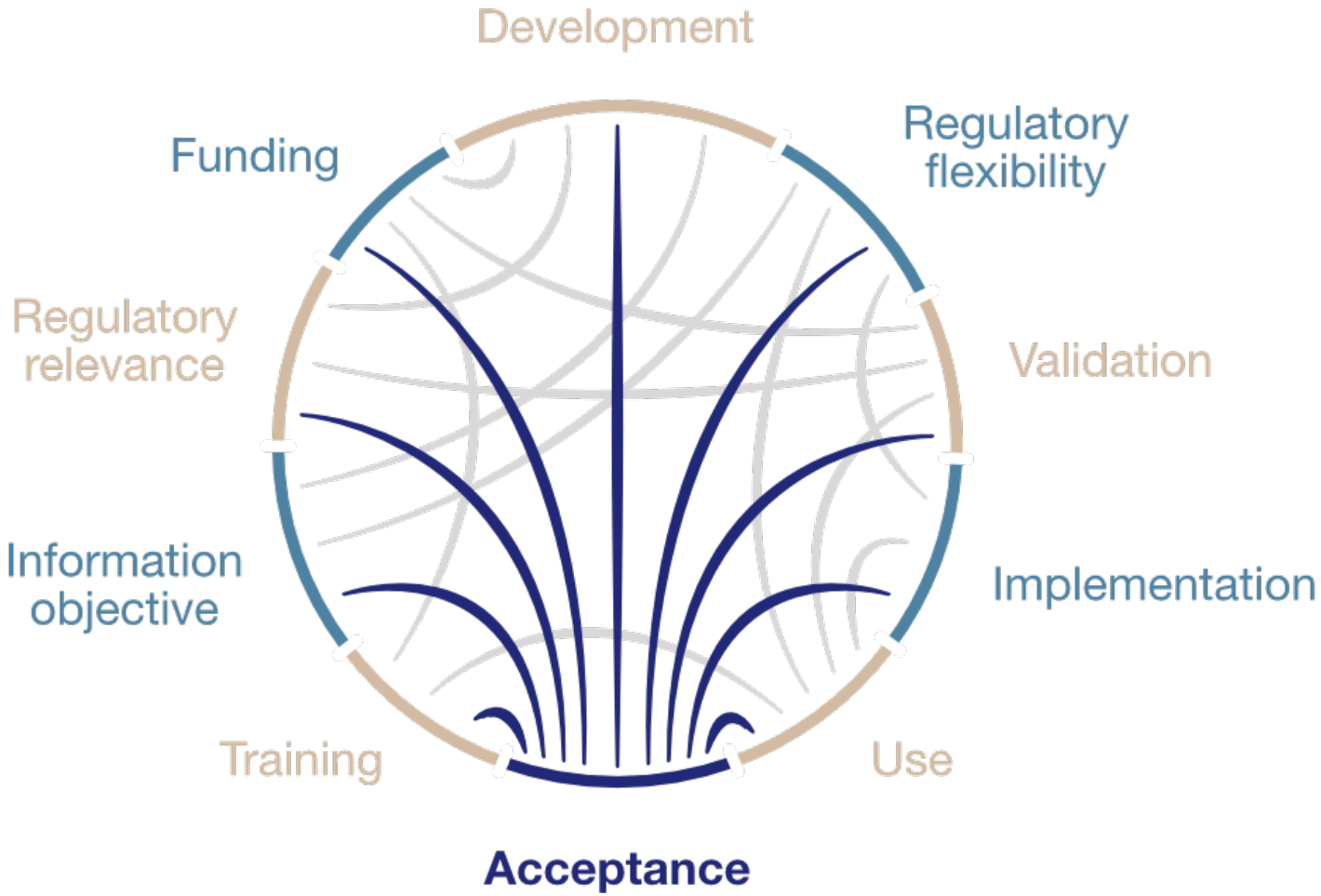
Information Objectives

Which study do we need? 

What do we need to know to protect human health and the environment?



Research and Regulation



PPPs and Biocides

- Non-animal methods as default approach
  - Tiered strategies
  - Information objectives

ECHA
EUROPEAN CHEMICALS AGENCY

GUIDANCE

efsa
European Food Safety Authority

ADOPTED (ECHA): 5 June 2018
ADOPTED (EFSA): 5 June 2018

doi: 10.2903/j.efsa.2018.5311

Guidance for the identification of endocrine disruptors in the context of Regulations (EU) No 528/2012 and (EC) No 1107/2009

Case Study on the Use of Integrated Approaches for Testing and Assessment (IATA) for Chronic Toxicity and Carcinogenicity of Agrichemicals with Exemplar Case Studies - Ninth Review Cycle (2023)

Series on Testing and Assessment No. 402



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PPPs and Biocides



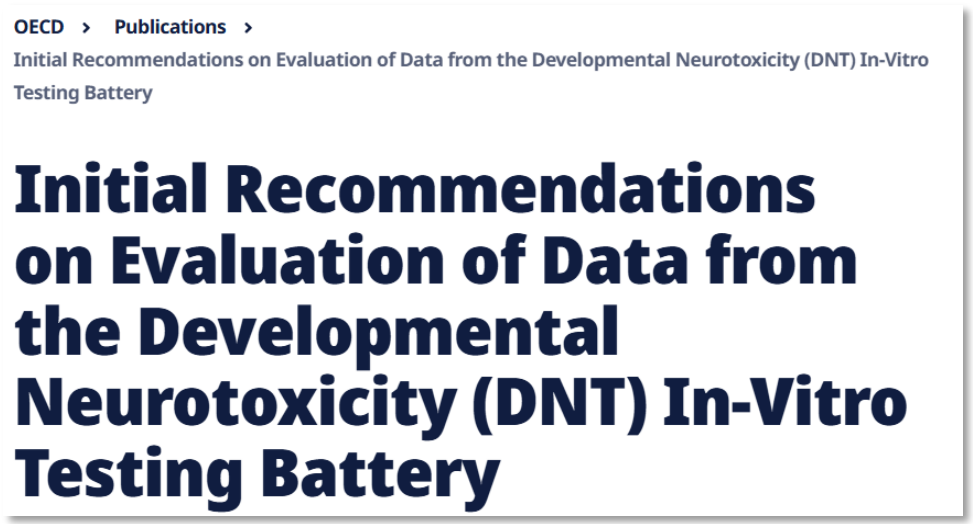
SCIENTIFIC OPINION

EFSA Journal

ADOPTED: 21 April 2021

doi: 10.2903/j.efsa.2021.6599

Development of Integrated Approaches to Testing and Assessment (IATA) case studies on developmental neurotoxicity (DNT) risk assessment



OECD › Publications ›

Initial Recommendations on Evaluation of Data from the Developmental Neurotoxicity (DNT) In-Vitro Testing Battery

Initial Recommendations on Evaluation of Data from the Developmental Neurotoxicity (DNT) In-Vitro Testing Battery

- Training and annual reviews
  - New methods
  - Guidance and advice



SCIENTIFIC OPINION

efsa JOURNAL

Scientific Opinion on waiving of the dog studies in the regulatory process of agrochemicals approval

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PPPs and Biocides

- Non-animal methods as default approach
  - Tiered strategies
  - Flexible evidence frameworks
- Training and annual reviews
  - New methods
  - Guidance and advice

- Reporting of non-animal methods
  - Modelled on Article 117(3) of REACH



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PPPs and Biocides

- Non-animal methods as default approach
  - Tiered strategies
  - Flexible evidence frameworks
- Training and annual reviews
  - New methods
  - Guidance and advice
- Reporting of non-animal methods
  - Modelled on Article 117(3) of REACH
- Data accessibility
  - Proactive data sharing
  - One Substance, One Assessment
  - Study summaries

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Delivering the ECI´s Objectives

Regulators

Case studies

Frameworks

Scientists

Accountability

Collaboration

Monitor progress

Method development

NGOs

Industry

Validation

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Thank you for your attention.

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