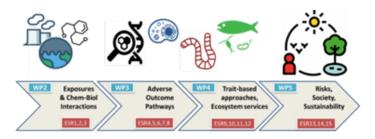


# How to integrate mechanistic ecotoxicology and ecosystem services into the next generation ERA framework?

Workshop on experiences from the European Marie-Skłodowska Curie training network PRORISK (<a href="https://prorisk-h2020.eu/">https://prorisk-h2020.eu/</a>)



**Dates:** October 2023, 3<sup>rd</sup> (15:00-18:00 CEST) – 4<sup>th</sup> (9:30-12:30 CEST)

Format: HYBRID

On site – Campus of Vrije Universiteit Amsterdam, NL; O2 building (building No. 1108)

o https://vu.nl/en/about-vu/more-about/route-description

Online - Link for online participation will be distributed before the workshop

### **Background and objectives**

The Environmental Risk Assessment (ERA) is nowadays rapidly changing from relying on simplified descriptive laboratory tests towards incorporating mechanistic, ecological and socio-economic process information. The PRORISK network (<a href="https://prorisk-h2020.eu/">https://prorisk-h2020.eu/</a>) created a unique interdisciplinary training platform for 15 Early Stage Researchers (ESRs) - doctoral students - who worked together during 2020-2023 on the advancement of current ERA. The PRORISK ESRs integrated data from their research – from chemical exposures, ecotoxicological experiments and trait-based studies towards ecosystem services and socio-economical valuation – to develop case studies that will be presented and discussed with stakeholders.

#### The objectives of the PRORISK workshop are:

- to **present the outcomes of the two PRORISK case studies** addressing recreational fishery and crop productivity selected as model ecosystem services
- to discuss with stakeholders lessons learned and gaps identified and collect feedback and suggestions on the next steps towards the next generation ERA implementation



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 859891.



#### Workshop outline



#### Keynote lecture: Dr. Dan Villeneuve, US EPA

Combining new approach methodologies and adverse outcome pathways for ecological risk-based screening and prioritization

# Presentation by PRORISK doctoral students

https://prorisk-h2020.eu/

Integrative case studies on ecosystem services & the next generation ERA framework



#### Invited presentations by stakeholders

**Domenica Auteri** – EFSA, Italy **Bruno Campos** – Unilever, UK **Leo Posthuma** – RIVM, Netherlands

#### Discussions with stakeholder panel

Heini Ahtiainen – ECHA, FI

Dave Spurgeon - UKCEH, UK

Magdalini Sachana – OECD, France

Katie Coady – Bayer, USA

Mira Petrovic – ICRA, Spain

Dimitrios Karpoyzas - University of Thessaly, Greece

Anja Coors - ECT Oekotoxikologie GmbH, Germany

#### Other workshop participants & stakeholders

PRORISK doctoral students, early stage researchers (ESRs) <a href="https://prorisk-h2020.eu/">https://prorisk-h2020.eu/</a>
Yang, Kelsey, Chander, Simon, Diana, Amina, Audrey, Niamh, Liyan, Saúl, Nuria, Susanna, Elvia, Susan

#### PRORISK experts and supervisors

Kees van Gestel, Marja Lamoree, Pim Leonards, Pieter van Beukering (VU Amsterdam; NL) Martin Holmstrup, Stine Slotsbo (Aarhus Uni; DK) Helena Guasch (CSIC Blanes; ESP) Lorraine Maltby (University of Sheffield; UK) Knut Erik Tollefsen (NIVA; NO) Ludek Blaha, Klara Hilscherova (RECETOX; CZ) Jaroslav Slobodnik (Environmental Institute; SK)

#### Registered external participants

Representatives of FAO, Bayer AG, Evonik Oxeno GmbH, Clariant, Dow, CEFIC, ICCS



## **Detailed Workshop agenda**

#### **3**<sup>rd</sup> **October 2023** (15:00-18:00 CEST)

- 15:00 Opening, PRORISK introduction, objectives of the workshop (Ludek Blaha)
- 15:30 **Keynote lecture: Dan Villeneuve** (US EPA, member of PRORISK Advisory Board)
- 16:15 Coffee/tea break
- 16:45 Presentation of PRORISK findings to stakeholders
  - PRORISK Case studies (presentation by ESRs)
  - o Questions from PRORISK to stakeholders & plenary discussion (moderator: Lorraine Maltby)
- 18:00 End of the day

#### 4<sup>th</sup> October 2023 (9:30-12:30 CEST)

- 09:30 Welcome day 2 (Luděk Bláha)
- 09:35 Presentations by stakeholders: Bruno Campos (Unilever), Domenica Auteri (EFSA), Leo Posthuma (RIVM)
- 10:30 Coffee/tea break
- 11:00 Discussion with stakeholders; answering questions, feedback (moderator: Kees van Gestel)
- 12:15 Wrapping up/end of stakeholder workshop (Ludek Blaha)