PRO RISK

best chemical risk assessment professionals for maximum ecosystem services benefit

https://prorisk-h2020.eu/

https://www.youtube.com/watch?v=mzZrkT2TpFU

MUNI Grants Week

Nov 2025

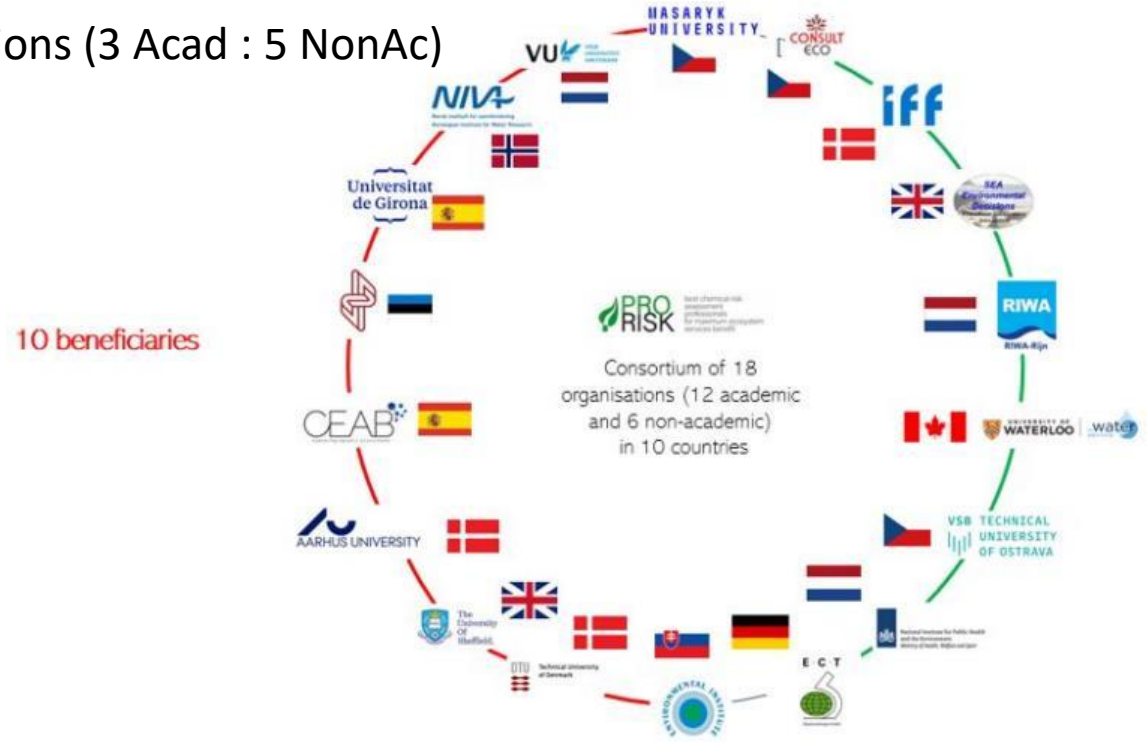
This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 859891.

About PRORISK

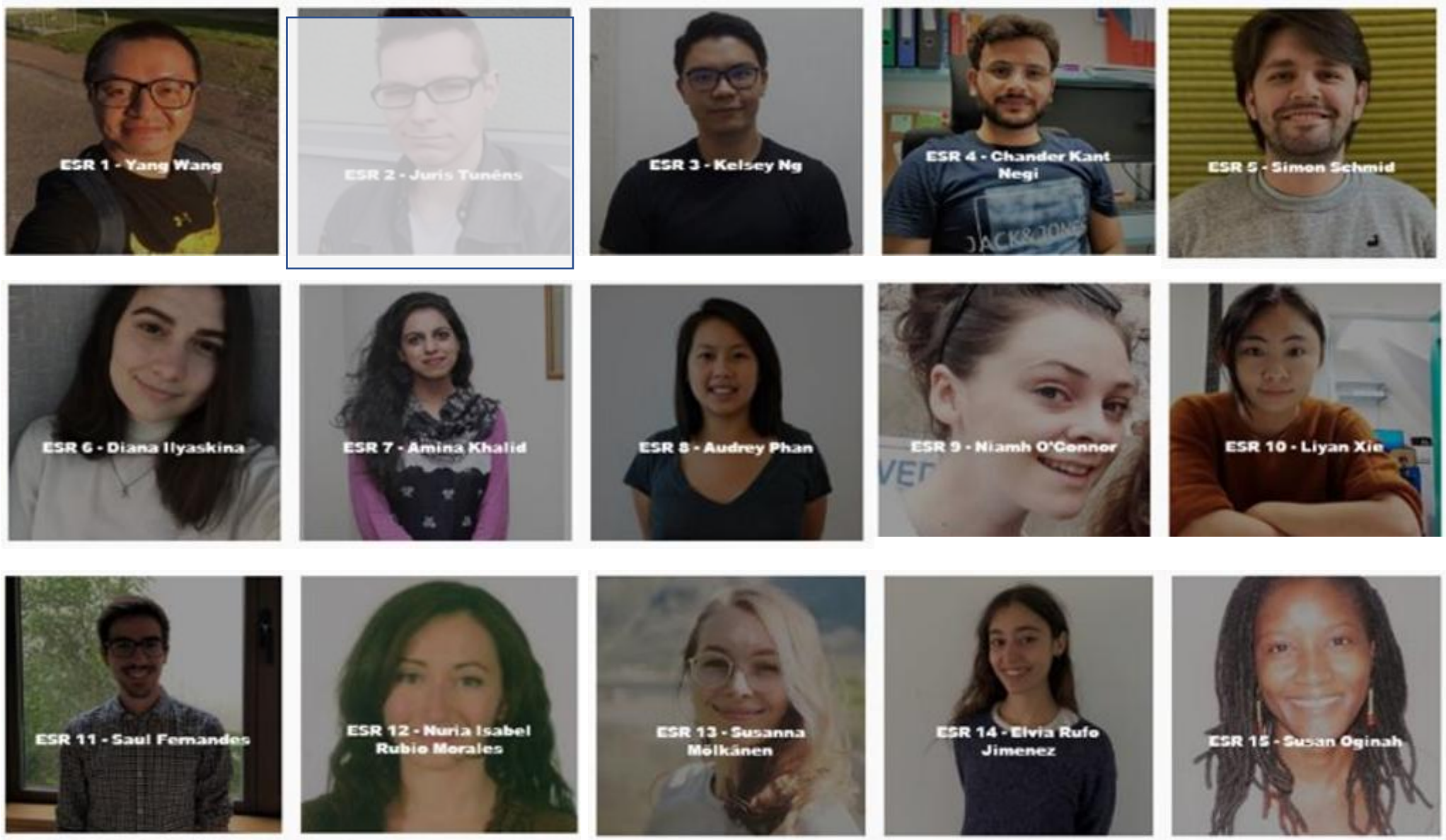
- Implementation: 01/04/2020 – 31/03/2024 (48 months)
- Project type: MSCA-ITN-ETN

  H2020 Marie Skłodowska-Curie Innovative Training Network – European Training Network
- Grant Agreement: 859891
- Consortium: 10 Beneficiaries (9 Acad : 1 NonAc)

  8 Partner Organisations (3 Acad : 5 NonAc)
- Budget: €4 Million

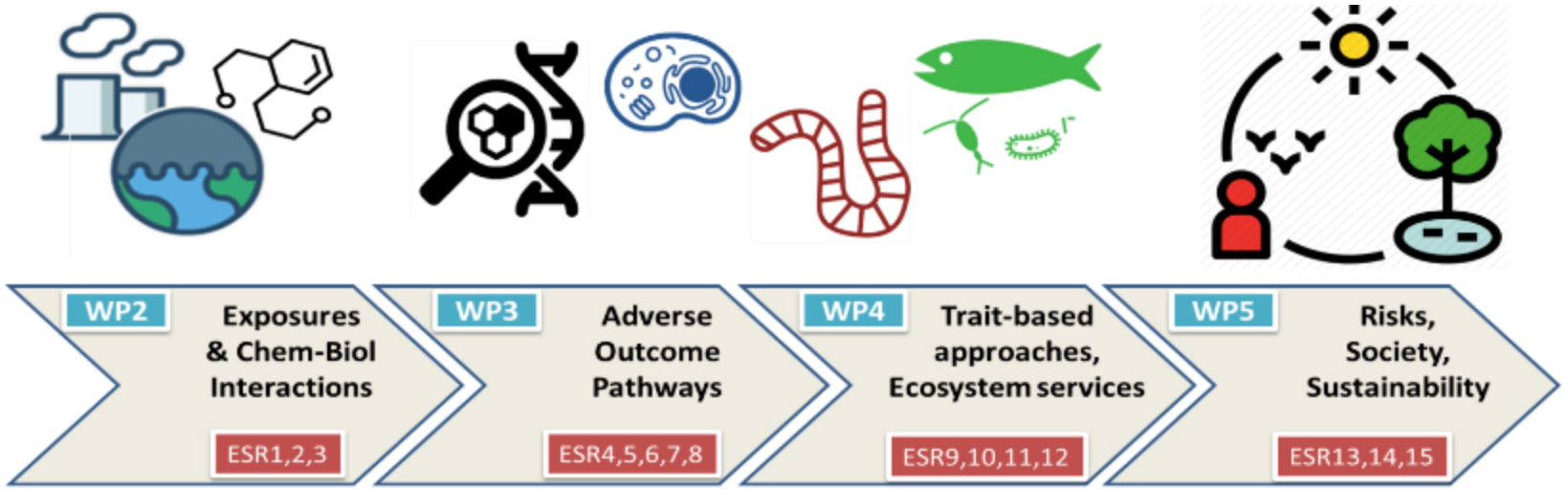


14 ESRs (ESR2 - Juris - left for health reasons)



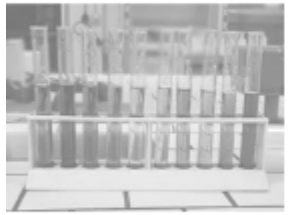
PRORISK, and namely ESRs

- … develop **interdisciplinary understanding** to be able address challenges in ERA – WP1 (TRAINING)
- … **advance science** – namely through individual research projects of ESRs and joint activities (RESEARCH)
- … **communicate, disseminate and reach out** – WP6 (COMMUNICATION)
- ... coordinate, manage, deal with open science and ethics – WP7,8,9

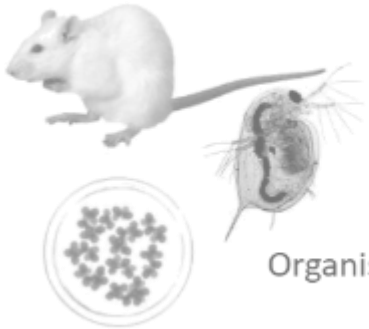


Objective and vision – addressing the paradigm shift in ERA

… to provide a unique value by **creating a novel platform for training a network of ESRs** in the field of advanced Environmental Risk Assessment (ERA) …

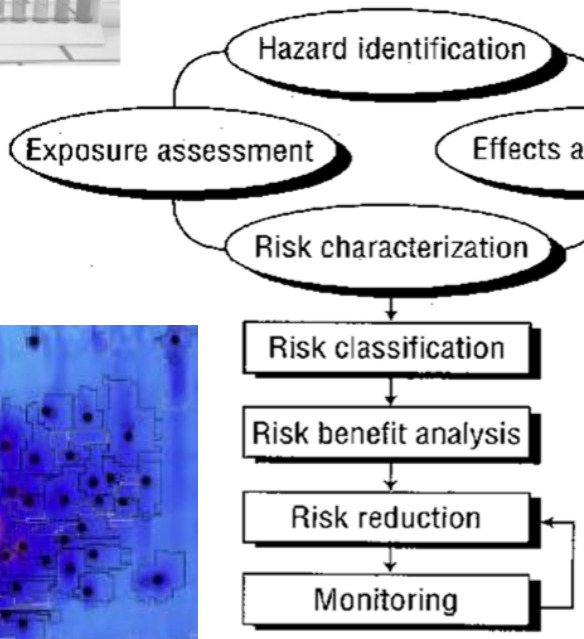


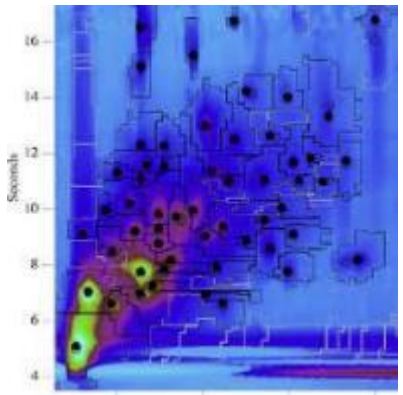
Chemical

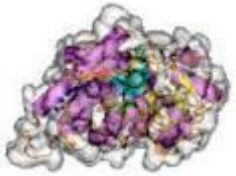


Organism

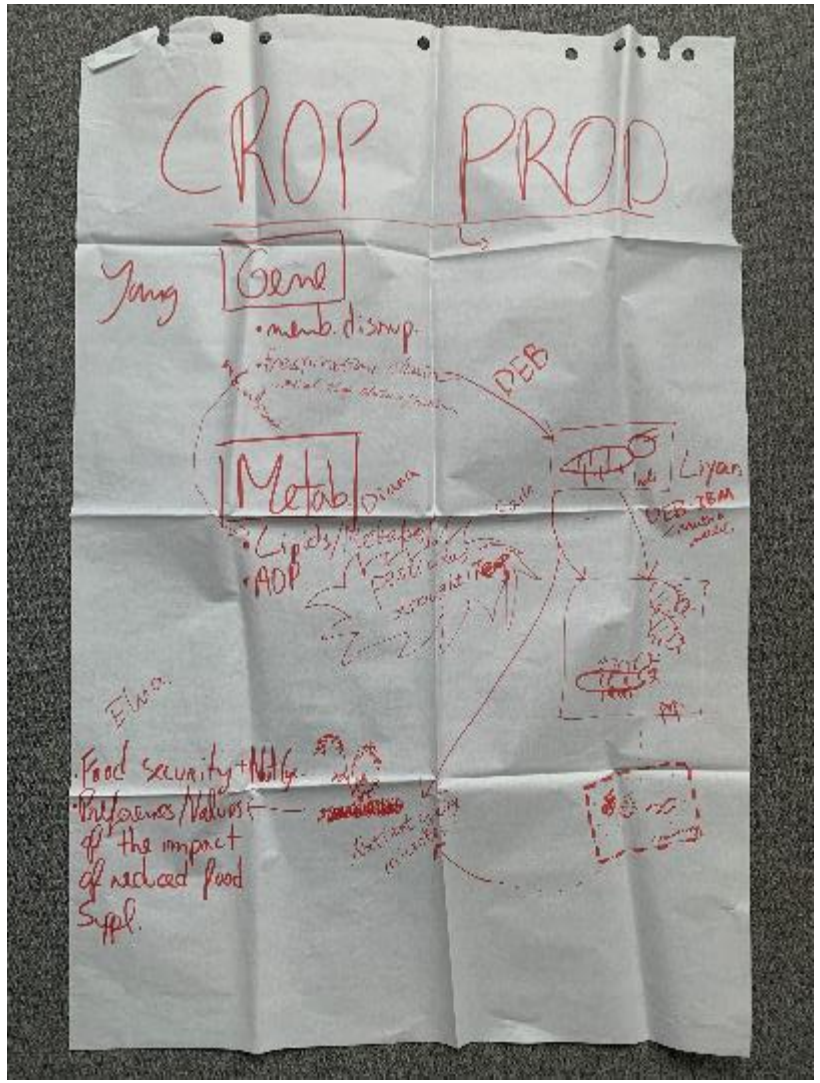
Regulatory
Apical endpoints
Death
Altered Reproduction
Inhibition of Growth

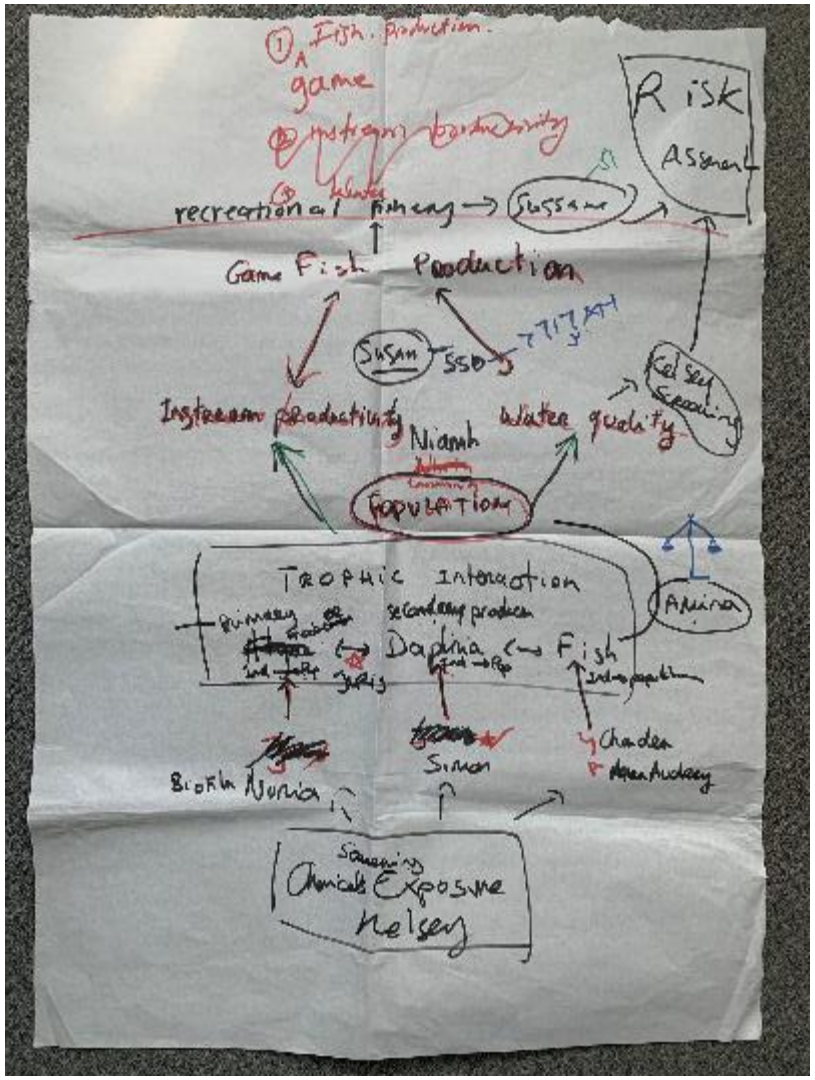


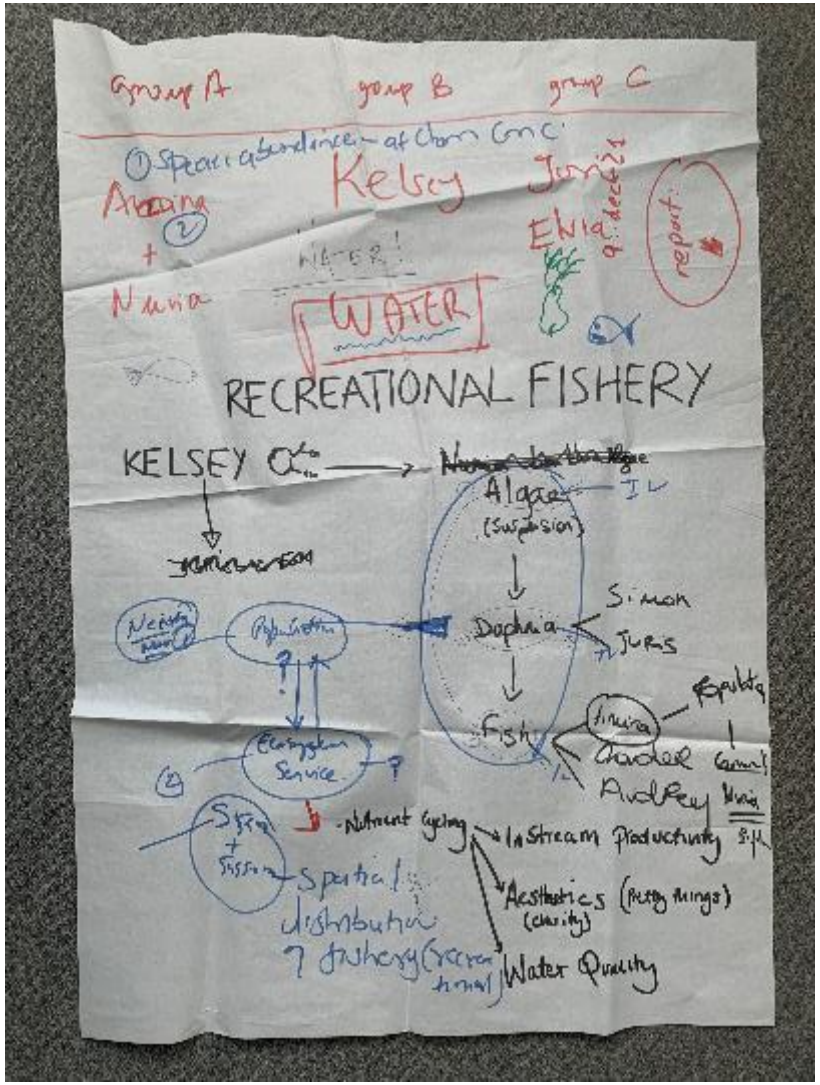




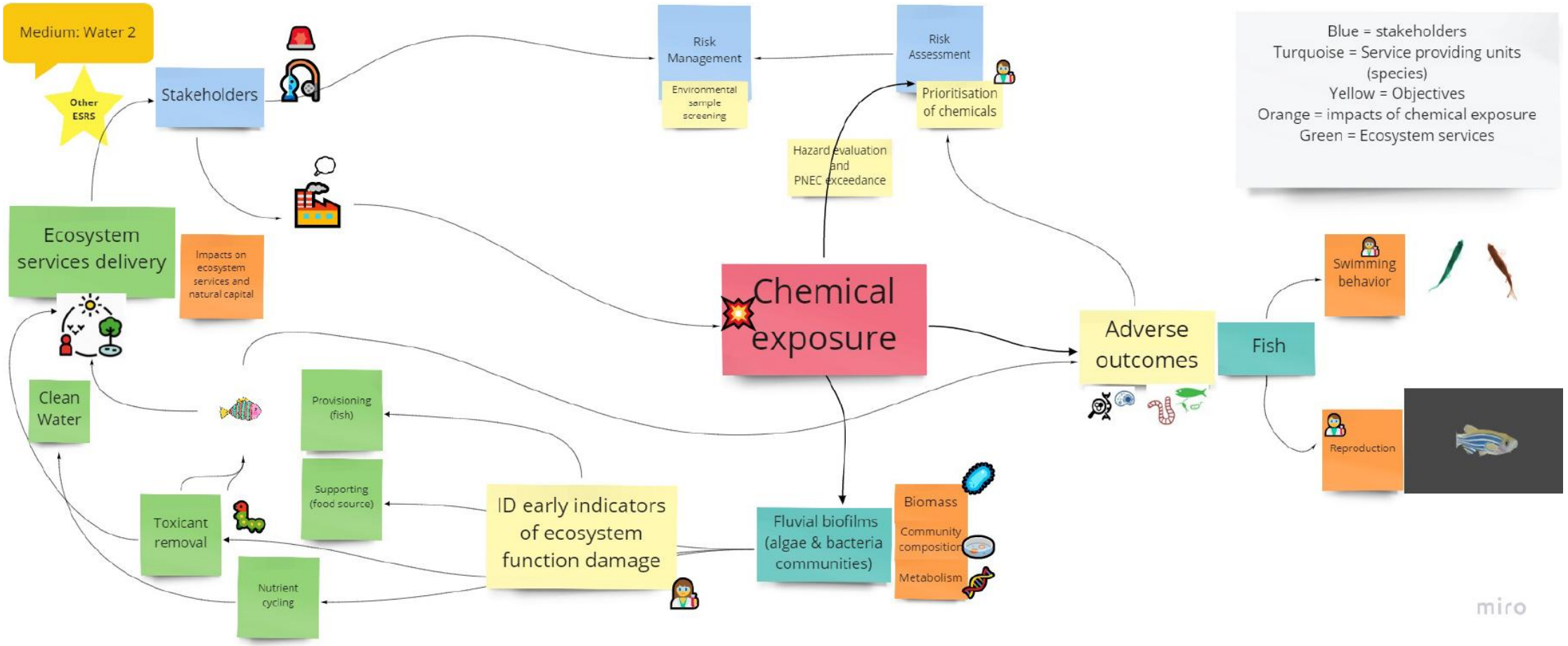
PRORISK case studies & Integrative WShops







PRORISK case studies & Integrative WShops



Training Course in Brno Nov 2021
(the first in person after covid-19)

Photo credits: Helena Guasch

https://www.recetox.muni.cz/prorisk/training/prorisk-advanced-training-course-5-atc5

PRO RISK

News · About PRORISK · PhD Fellows · Research · Training · Communication & Dissemination · INTRANET

Training › PRORISK Advanced Training Course 5 (ATC5)

Invitation for Advanced Training Course 5 (ATC5)

We invite you to the Advanced Training Course 5 (ATC5) organized within the PRORISK project on 15-17 March 2023 in Girona, Spain.

- General information
- Practical information
- Program
- Lecturers
- About the location *(in preparation)*

General Information

Prorisk ATC5 is organized by the University of Girona (UdG) and CSIC-CEAB in cooperation with Masaryk University (MU).

ATC5 will consist of four courses and will be focused mainly on transferable skills:

- TS6 – Research-communication, outreach workshop, and presentation skills
- TS8 – Entrepreneurship course
- TS7 – Master class
- IWS5 – Integrative workshop series

The completed ATC5 course provides 2 ECTS credit points.

General schedule

15th –17th March 2023

- **Wednesday 15th March – START 12:00 AM** – get together in Girona central train station, travel to rural house
- **Thuesday 16th March** – programme at Rural house, visit of historical Girona, dinner in Girona
- **Friday 17th March – END around 18:30** – full day programme at University of Girona

Practical Information

Main venues

- Rural house outside of Girona: https://www.massuro.com/
- University of Girona – Friday 17th *(exact places will be confirmed)*

Accommodation

- 2 nights are booked by ATC5 organizers in **Rural house** (from Wednesday 15th to Friday 17th)
- Nights before/after ATC5 should be individually arranged

Catering/Refreshments will be prepared for ATC5 as follows

- **Wednesday – March 15th** – sandwiches for lunch in Rural house, evening dinner together
- **Thursday – March 16th** – all day including dinner
- **Friday – March 17th** – breakfast, lunch, coffee breaks *(dinner on 17th March is not included)*

Program

PROGRAM

– periodically updated

– course outlines will be available on Intranet

(All times are given in the CET timezone)

Lecturers

- **Nancy Goucher** – University of Waterloo
- **Helena Guasch** – CSIC CEAB
- **Marta Mora** – CSIC CEAB
- **Alex Mas Alcoberro** - University of Girona / freelance
- **Marc Masip** – University of Girona
- **Lorraine Maltby** – University of Sheffield
- **Veronika Jálová** – Masaryk University RECETOX
- **Luděk Bláha** – Masaryk University RECETOX
- **Markéta Vlasáková** - Masaryk University Technology Transfer Office
- **Ignasi Rodríguez–Roda** - University of Girona
- **Mariona Serra Pagès** – HIPRA
- **Sergio Jarque** – ISDIN

ATC4 & Consortium meeting Copenhagen – May 2022

Session proposal from PRORISK to SETAC Europe in Dublin, 2023

Submitted proposal to Track 7 of SETAC:

7.11 Towards the Next Generation ERA – Integrating Mechanistic, Ecological and Socio-Economic Information

The Scientific Committee (Dec2022-Jan2023) merged 3 sessions

6.02 - Alternative Approaches for Pesticide Risk Assessment: Looking Beyond Tiers 1-4 […co-chair Lorraine Maltby]

7.04 - How Do We Measure Biodiversity in Support of Risk Assessment and Management of Chemicals? Holistic and Multidisciplinary Approaches […co-chair Sabine Apitz]

7.11 - Towards the Next Generation ERA – Integrating Mechanistic, Ecological and Socio-Economic Information

7.06 Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services

- Co-chairs: Ludek Blaha, Marie-Helene Enrici, Alan Lawrence, Niamh O´Connor
- Tuesday May 2, 2023
- … + informal beer / dinner after posters

7.06 - Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services

Description

Environmental Risk Assessment (ERA) of chemicals is rapidly changing from relying on simplified descriptive laboratory tests to holistic integration of mechanistic eco/toxicology information (i.e. toxicity mechanisms, omics data) with advanced ecological thinking (functional eco-physiological traits, biodiversity, landscape level exposure and effect dynamics, ecosystem services, non-chemical stressors and climate change impacts). In synergy, the regulatory requirements (e.g. chemical and pesticide regulations, water and soil frameworks, biodiversity conventions) need to be aligned with economical and societal priorities such as sustainable crop production or availability of effective and safe chemicals. The session calls for presentations on topics that may lead to a profound transformation of traditional thinking in ERA and management of chemicals. These may include (for example but not limited to) studies addressing gaps in existing regulations (such as chemicals/pesticides authorization, monitoring, mitigation-remediation-restoration) as well as visionary proof-of-concept research linking knowledge across levels and scales (from exposures, through mechanistic understanding of ecotoxicological effects to functional traits and ecosystem services). We also invite methodological and conceptual contributions on development of methods and approaches in relevant areas - biodiversity loss and gain, planetary boundary metrics, nature-based solutions, science-based targets applications.

Chair

B — Ludek Blaha
Masaryk University, Faculty of Science, RECETOX

— Marie-Helene Enrici
Solva

L — Alan Lawrence
Alan Lawrence Ltd

O — Niamh O'Connor
The University of Sheffield

Tuesday, 2 May 2023

08:45 - 18:45

POSTERS

7.06.P Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services

The CCD - The Forum - Exhibition Hall (Ground Level)

13:35 - 14:55

TALKS

7.06 Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services

The CCD - Wicklow Hall 2A (Level 02)

Poster and Virtual Only Sessions

VIRTUAL ONLY

7.06.V - Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services

Ludek Blaha[1], **Marie-Helene Enrici**[2], **Alan Lawrence**[3] and **Niamh O'Connor**[4], (1)Recetox, Masaryk University, Faculty of Science, RECETOX, Brno, Czech Republic(2)Sustainability, Solva, Lyon, France(3)Alan Lawrence Ltd, United Kingdom(4)The University of Sheffield, Sheffield, United Kingdom

Work on Pre-Requisities

- Pro-activity, **visibility** (international), patience *(organize conferences, working groups)*
- **Reliability** – demonstrated skills, trustful (build skills – management, communication)
- **Offer diverse expertise** in your team and larger institution, more different projects
- Brno in (eastern) Europe ☺

2007 AVČR award

2018: ČT1 sinice nepřítel koupání

2025: RECETOX summer school

Preparing >> Experiences

- Patience and perseverance
  - PIRATES 2015, 2016, 2017
- PRORISK 2018
- 2019 – 97% - waiting list

- Awarded with start in April 2020

Proposal title: Best chemical risk assessment professionals for maximum Ecosystem Services benefit
Activity: MSCA-ITN-ETN: ENV

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	Masarykova univerzita	CZ	469,742.83	11.76%	469,742.83	11.76%
2	STICHTING VU	NL	531,239.76	13.30%	531,239.76	13.30%
3	NORSK INSTITUTT FOR VANNFORSKNING	NO	292,342.32	7.32%	292,342.32	7.32%
4	UNIVERSITAT DE GIRONA	ES	250,904.88	6.28%	250,904.88	6.28%
5	KEEMILISE JA BIOLOOGILISE FUUSIKA INSTITUUT	EE	232,069.68	5.81%	232,069.68	5.81%
6	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	250,904.88	6.28%	250,904.88	6.28%
7	AARHUS UNIVERSITET	DK	595,044	14.90%	595,044	14.90%
8	THE UNIVERSITY OF SHEFFIELD	UK	606,345.12	15.18%	606,345.12	15.18%
9	DANMARKS TEKNISKE UNIVERSITET	DK	297,522	7.45%	297,522	7.45%
10	Consulteco s.r.o.	CZ	234,871.42	5.88%	234,871.42	5.88%
11	ENVIRONMENTAL INSTITUTE s.r.o.	SK	233,246.88	5.84%	233,246.88	5.84%
	Total:		3,994,233.77		3,994,233.77	

Evaluation Summary Report

Evaluation Result

Total score: 97.00% (Threshold: 70/100.00)

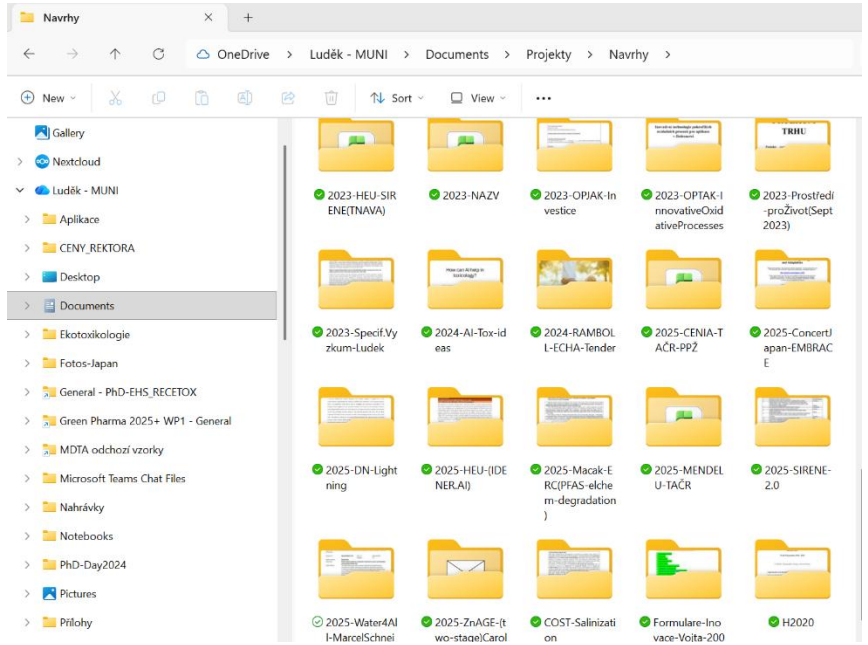
Drafting >> Recommendations

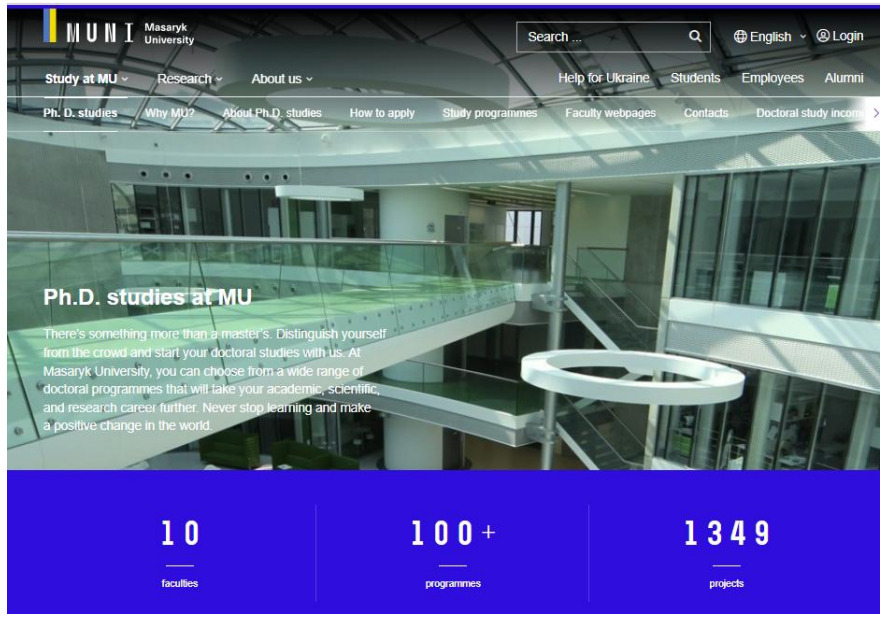
- **Plan** minimum 9 months ahead
- Try to engage others ASAP
  … but do not expect actual support: **be ready – you will do the job**
  (others will only comment, if ever)
- **Organize 1,5 day on site meeting** with partners and draft (structure, responsibilities, interelationships)
- In addition to common „theme“, formulate a ambitious **joint outcome** (where all individual ESRs will contribute) = convincing for reviewers & important for team building and networking
- ITN is I**T**N = put **TRAINING** forward & be **interdisciplinary**

Post-rewards

- **5+ invitations to diverse EU projects annually**

- **Building high quality PhD at MUNI**





GOOD LUCK with your project(s)!
Thanks for your attention!

Mon 8th Nov 2021 (Credits Helena Guasch)

https://prorisk-h2020.eu/

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