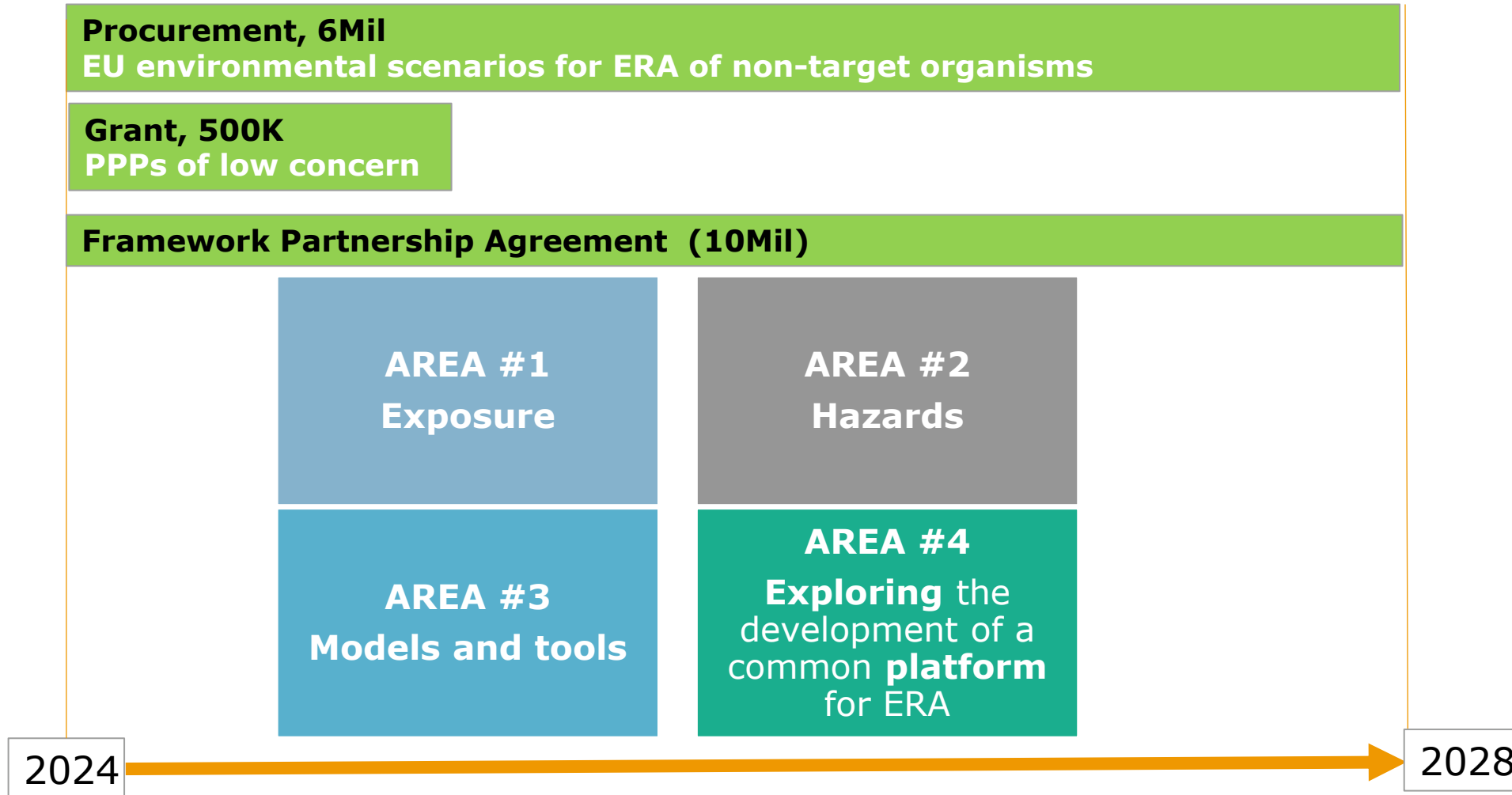




PERA - ADVANCING THE ERA OF PLANT PROTECTION PRODUCTS TOWARDS A SYSTEM BASED APPROACH and ERA WG

Domenica Auteri
Plants Unit – Ecotoxicology team

MULTIANNUAL PLAN (PERA project) - Overview



Multiannual Plan Overview

Procurement (€6M)

EU environmental scenarios for ERA of non-target organisms

Grant (€500K)

PPPs of low concern

Framework Partnership (€10M)

Running from 2024 to 2028

Project Partners

Procurement EU Scenarios

1. Stichting Wageningen Research (NL)
(**coordinator**)
2. Wageningen University (NL)
3. Coimbra University
4. EFTAS GmbH (DE)
5. Agroscope (SW)

Sub-contractors:

1. University of Sheffield (UK)
2. Institute for Agro-ecology and Biodiversity (DE)
3. University of Natural Resources and Life Sciences (AT),
4. INRAE (FR),
5. Fraunhofer IME (DE),
6. Aarhus University (DK), and
7. Norwegian Institute for Water Research (NO)

Grant PPP Low Concern

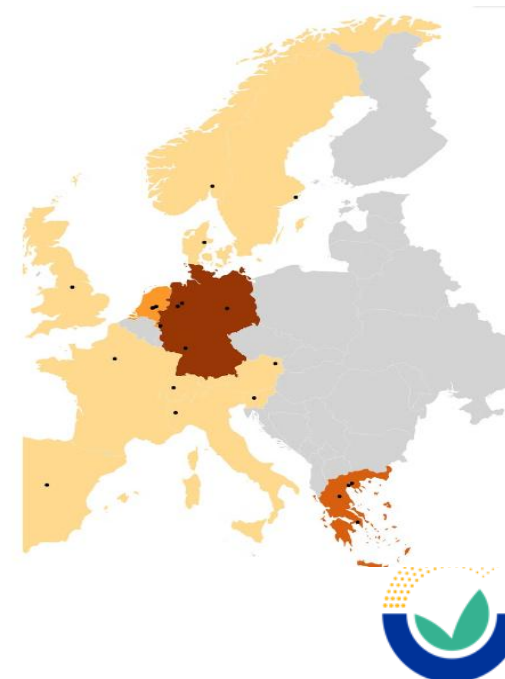
1. University of Thessaloniki (EL)
2. Stichting Wageningen Research (NL)
3. INIA (ES)
4. CTGB (NL)
5. Hellenic Agricultural Organization (EL)

Framework Partnership

1. Stichting Wageningen Research (NL)
(**coordinator**)
2. University of Coimbra (PT)
3. Aarhus University (DK)
4. KEMI (SE)
5. Agricultural University of Athens (EL)
6. University of Torino, (IT)
7. UBA, (DE)
8. National Institute of biology, (SO)

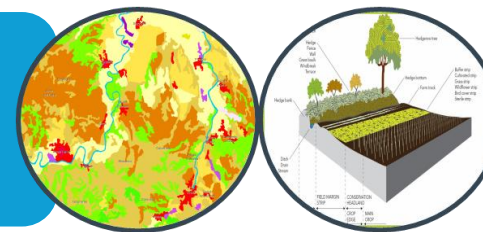
Sub-contractors:

1. Osnabruck University, (DE)

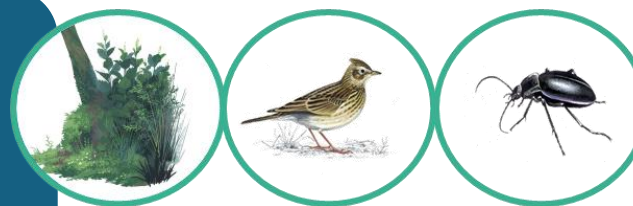


EU scenarios (EESA project) - Objectives

Objective 1 - Collection of georeferenced data of field margin and other semi-natural landscape elements.

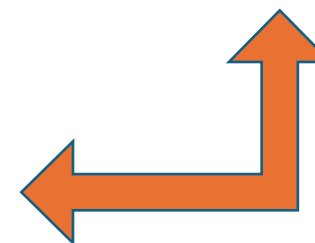


Objective 2 - Characterisation of habitat in agro-ecosystems and vulnerability of biological assemblages in fields and in semi-natural landscape elements

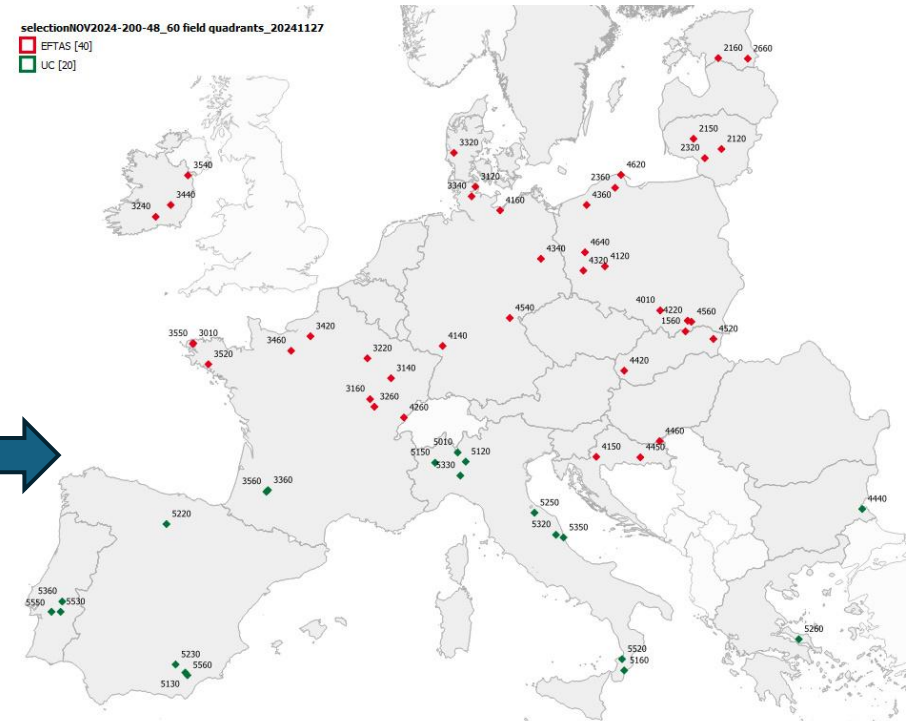
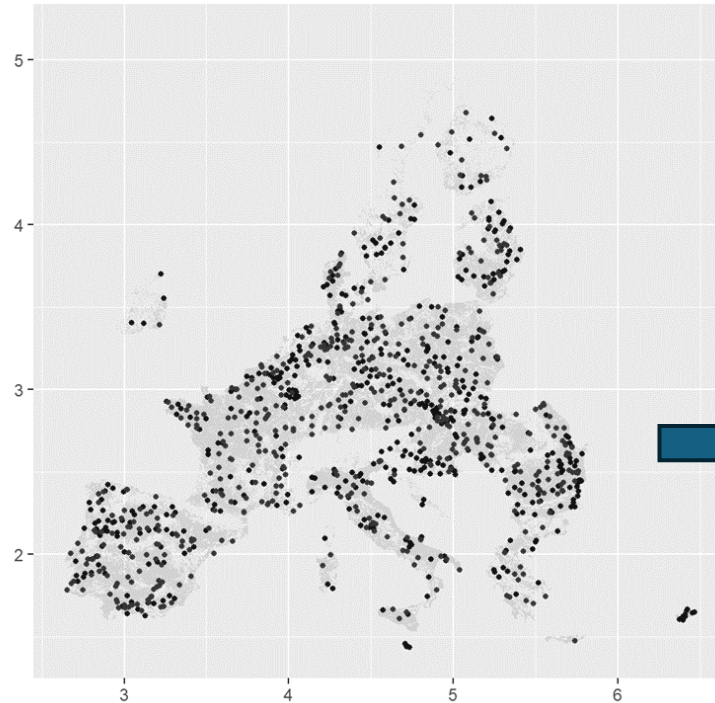
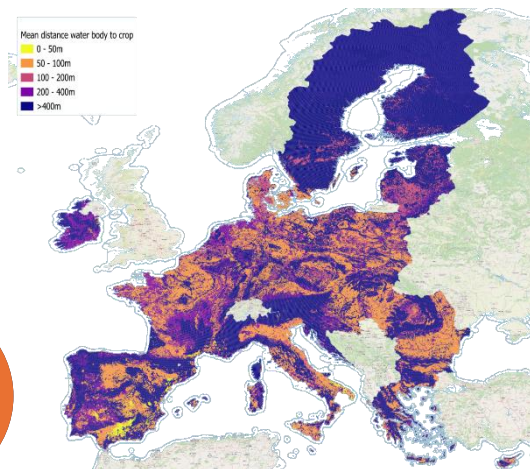


Objective 3 – Definition of environmental scenarios

Objective 4 – State of the art regarding food web/ ecological interaction models and their use in ERA of PPPs.



EU SCENARIOS (EESA project)



- 60 quadrants are investigated in the field for collecting primary data on:
 - Habitat types
 - Biological communities
 - Vegetation structure



PERA PPP OF LOW CONCERN

MAIN GOAL

Develop a stepwise approach for a fit for purpose risk assessment for low-concern active substances and uses

SCOPE

Inorganics

Botanicals

Microorganisms' product

Semiochemicals

Biological materials (animal oils, RNA, peptides...)

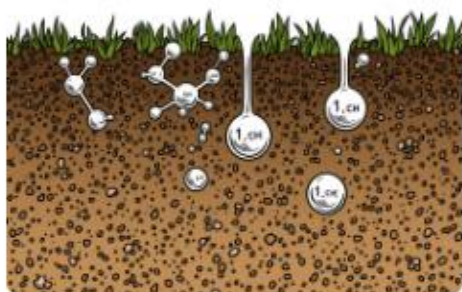


To be published soon



Framework partnership – AREA 1/4

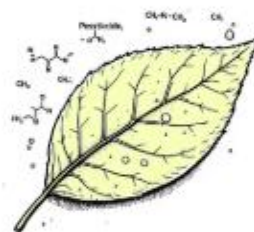
AREA 1: Exposure Characterisation - Advance Characterisation of Non-Target Organism Exposure



Task 1.1 Characterize Deposition



Task 1.2 Bioavailability Assessment



Task 1.3 Translocation in Terrestrial Plants



Task 1.4 Refined Exposure Factors



Framework partnership – Area 2/4

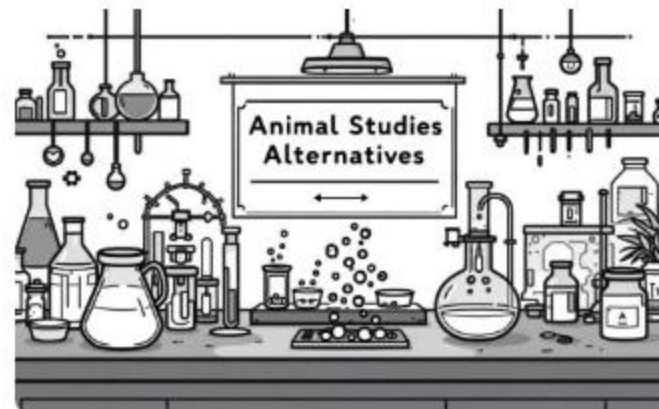
AREA 2: Hazard Characterisation - advance on the characterisation of the hazard of non-target organisms



Task 2.1: Develop literature search protocols



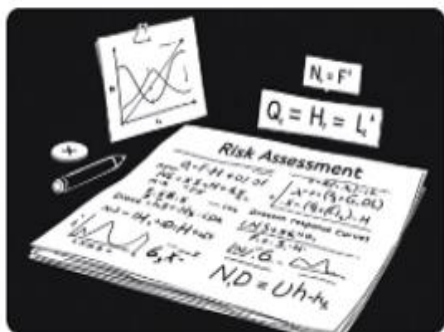
Task 2.2: Hazard data collection on active substances



Task 2.3: Literature search of NAMs application in ERA



AREA 3: Investigating the use of mechanistic effect models, including population models in regulatory environmental risk assessment



Task 3.1: Develop evaluation criteria for regulatory models



Task 3.2: Create a retrieval protocol for effect models



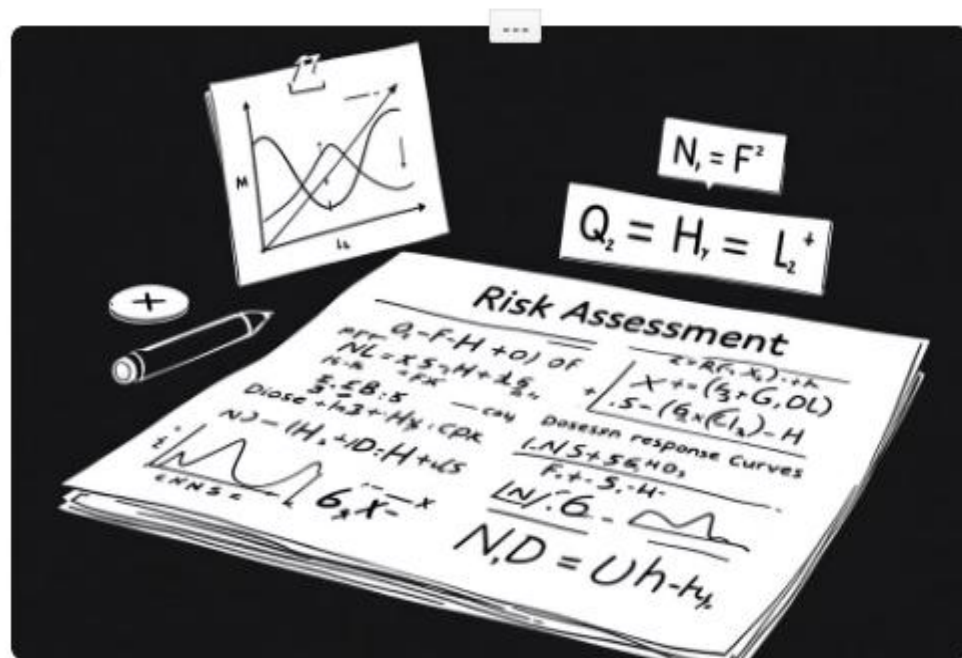
Task 3.3: Establish a model repository and conduct evaluations



Task 3.4: Provide training courses on effect models



AREA 4: Exploring the integration and interconnection of data - conceptualization of ERA platform



Task 4.1 Explore and assess stakeholder needs



Task 4.2 Develop the RA platform design



Integration of Pera DEV project TO EFSA activities

- Two mandates



M-2024-00086: Request to EFSA to review the Guidance Document on Terrestrial Ecotoxicology on plant protection products (PPPs) (i.e. on non-target arthropods (NTAs), non-target terrestrial plants (NTTPs) and in-soil organisms)

M-2024-00101: Request to EFSA to develop a guidance to assess potential indirect effects on biodiversity via trophic interactions under agro-environmental conditions

January 2025 – outline with strategy and detailed timelines for both mandates (update in June 2025)

<https://www.efsa.europa.eu/en/topics/environmental-risk-assessment-pesticides>



Revision of SANCO Terrestrial Guidance

- Review the risk assessment for NTAs

Consider the possibility for recovery/recolonisation



- Revise the risk assessment for in-soil organisms

In soil meso and macrofauna and nitrogen transformation rate



- Review the risk assessment for NTTPs

Only NTTPs outside the treated area



Indirect effects

Develop a methodology for risks from indirect effects on biodiversity via trophic interactions under agro-environmental conditions



Include recommendations for measures and agronomic practices



ERA WG –current timeline

Protocol for Terrestrial ecotox GD revision
(NTAs, NTPPs, in-soil organisms)

- Endorsement for public consultation at the PPR plenary in NOV.
- Public consultation end of **Nov- mid January**
- Finalisation by **April 2026**

Framework for indirect effects

- Endorsement for public consultation at PPR plenary in Feb 2026
- Public consultation **February to April 2026**
- Finalisation **October 2026**

Implementation of the SPG strategy

- Several data collection are ongoing
- Data analysis by the end of the January
- Info-session on the draft **February/March 2026**
- Finalisation **June 2026**



**EXPECT
DELAYS**



TO CONCLUDE

Topic page **Environmental risk assessment of pesticides**

<https://www.efsa.europa.eu/en/topics/environmental-risk-assessment-pesticides>



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