

Partnership for the Assessment of Risks from Chemicals

PARC NGRAroute

A roadmap for making EU chemicals legislation NGRA-ready

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EC roadmap workshop Brussels, 2023-12-12

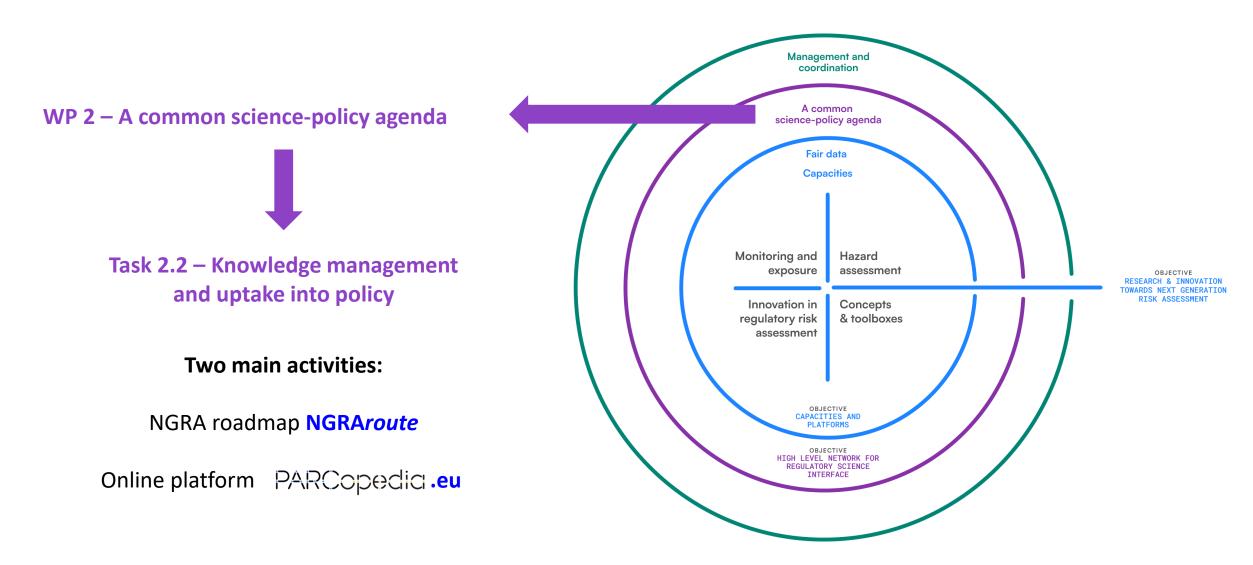




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About PARC Task 2.2









Uptake into policy - vision for NGRAroute

"By April 2025, NGRAroute will provide a concrete and applicable roadmap proposal for implementing NGRA as the default approach to chemical risk assessment in EU chemicals legislation."

Default approach:

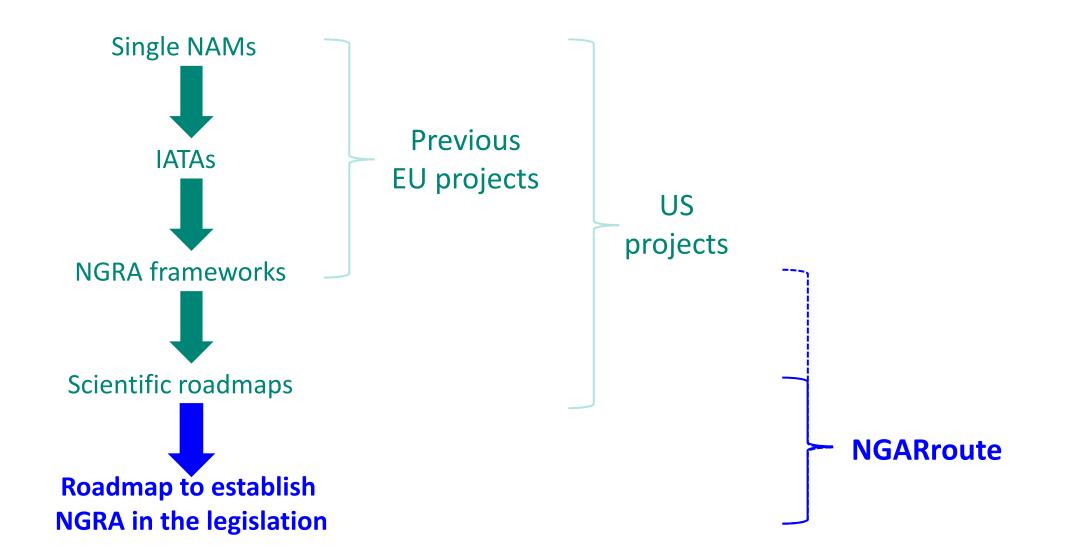
- Mandatory application of NGRA framework first (incl. existing data, RAx)
- New testing *in vitro* as far as possible
- New *in vivo* testing only as last resort if NGRA not yet applicable

This concept, if implemented in the legislation, would allow for maximum flexibility.





Why a roadmap like NGRAroute?









– 24 EU MS, agencies (except EMA) and COM are present.

 MS and academic Affiliated Entities also represent most other major EU projects on the matter (e.g. ASPIS cluster projects).

– **SYNnet** to integrate external partners (e.g. EPAA)





Scope of the roadmap

 The activity is meant to provide, by April 2025, a roadmap proposal to make European chemicals legislation NGRA-ready

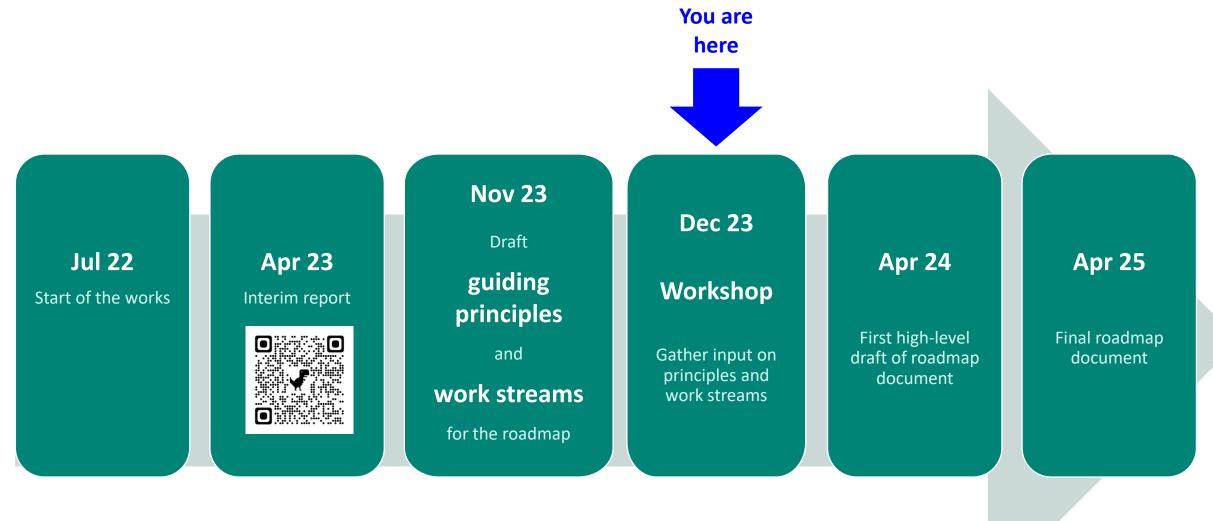
 In scope: all European chemicals legislation with a risk (i.e. hazard and/or exposure and/or risk) assessment component of their own.

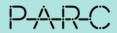
- For human health and environmental risk assessment





Timeline







Why guiding principles?

Guiding principles are useful to

- foster broad **consensus** on fundamental questions (instead of getting lost in the details) early on
- **define** political, scientific and regulatory **boundaries** of NGRA and the further roadmap work
- help structure further work and focus discussions (cf. OECD (Q)SAR validation principles).

We have now drafted "10 guiding principles for an NGRA framework to be established in EU chemicals legislation"

- 1. First version circulated for comments within PARC in summer, 2nd round in autumn of 2023
- Third version as background document for discussion today (13:30 17:00), along with some preliminary conclusions and proposed work streams for future work





Draft guiding principles – policy implementation

for an NGRA framework to be established in European chemicals legislation

- 1. The framework ensures a high and transparent level of protection for human and environmental health that meets the overarching policy targets.
- 2. The framework relies on **new** *in vivo* **testing** *in* **sentient** *animals only as a last* **resort** and only until a full replacement is possible.
- 3. The framework allows for a **resource-efficient** assessment of a large number of chemicals within an **appropriate time-frame**.





Draft guiding principles – scientific development

for an NGRA framework to be established in European chemicals legislation

- 4. The framework uses state-of-the-art methodology for modelling, testing and assessment with high scientific relevance to the protection targets, i.e. human health and the environment.
- 5. The framework provides a high and transparent level of confidence, in particular when concluding on the absence of relevant hazard, exposure and/or risk.
- 6. The framework is capable of integrating multiple lines of evidence from a wide range of data, information and knowledge sources in a highly reproducible way.



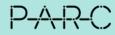


Draft guiding principles – regulatory acceptance

for an NGRA framework to be established in European chemicals legislation

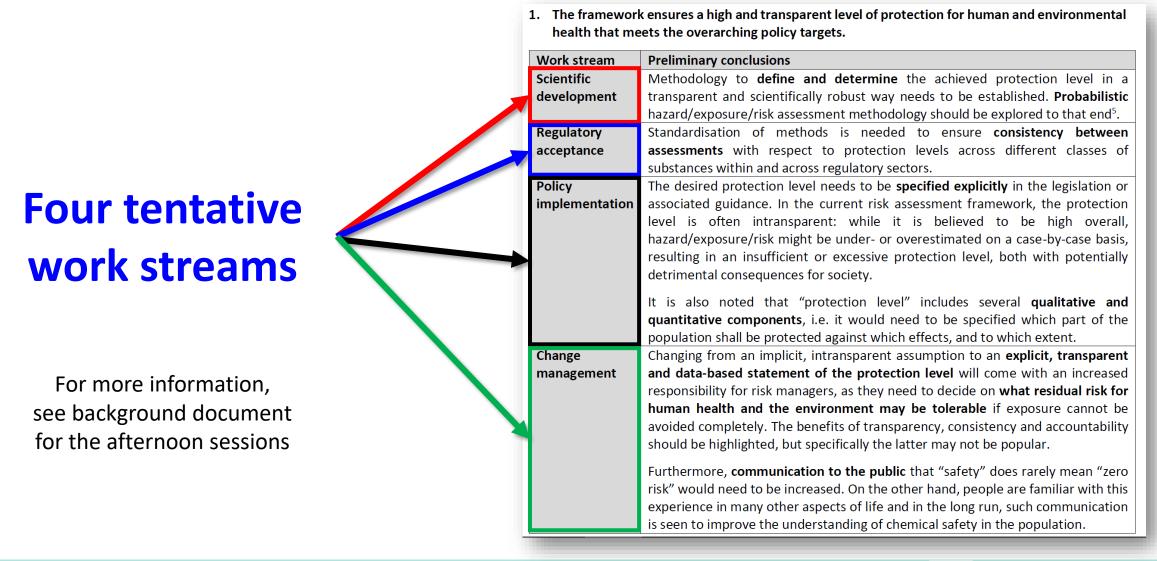
- 7. The framework is **applicable** to all chemical **hazard**, **exposure** and **risk assessment workflows** required by legislation.
- 8. The framework covers all relevant **pathways and endpoints** of **regulatory interest** and ideally is able to address also **new and emerging areas** of chemical risk assessment.
- 9. The framework allows for the assessment of single substances and their transformation products, groups of substances, intentional and unintentional mixtures and articles across all relevant routes of exposure.

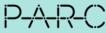
10. The framework allows for risk assessment of real-life exposure levels and durations across all relevant routes of exposure.





Preliminary conclusions for the further work







Work stream tasks

Build networks

- **Projects authorities policy** makers social scientists/communciation experts
- Involve EU regulatory bodies, experts from PARC, other activities (EU and worldwide), supranational organisations (OECD, WHO, UN), EU regulatory and policy-making bodies
- Identify key players to be addressed for implementing the necessary changes

Analyse state of the art and identify concrete research questions to be answered

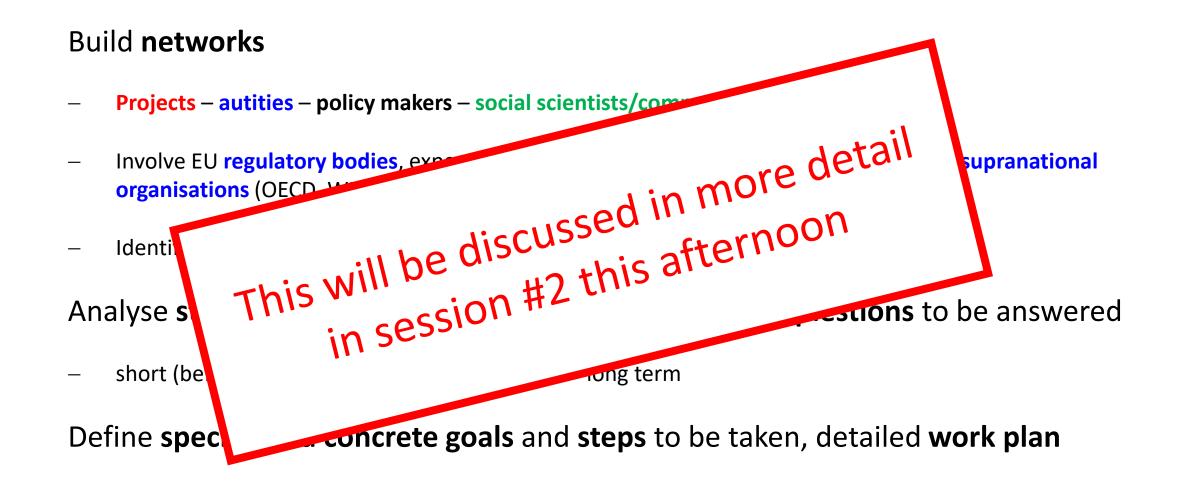
short (before completing roadmap) – medium – long term

Define specific and concrete goals and steps to be taken, detailed work plan





Work streams – tasks







How can this even work?

- We know enough to start working!
- A co-operative structure between work streams and networks needs to be set up.
- PARC Task 2.2 can help with the coordination.

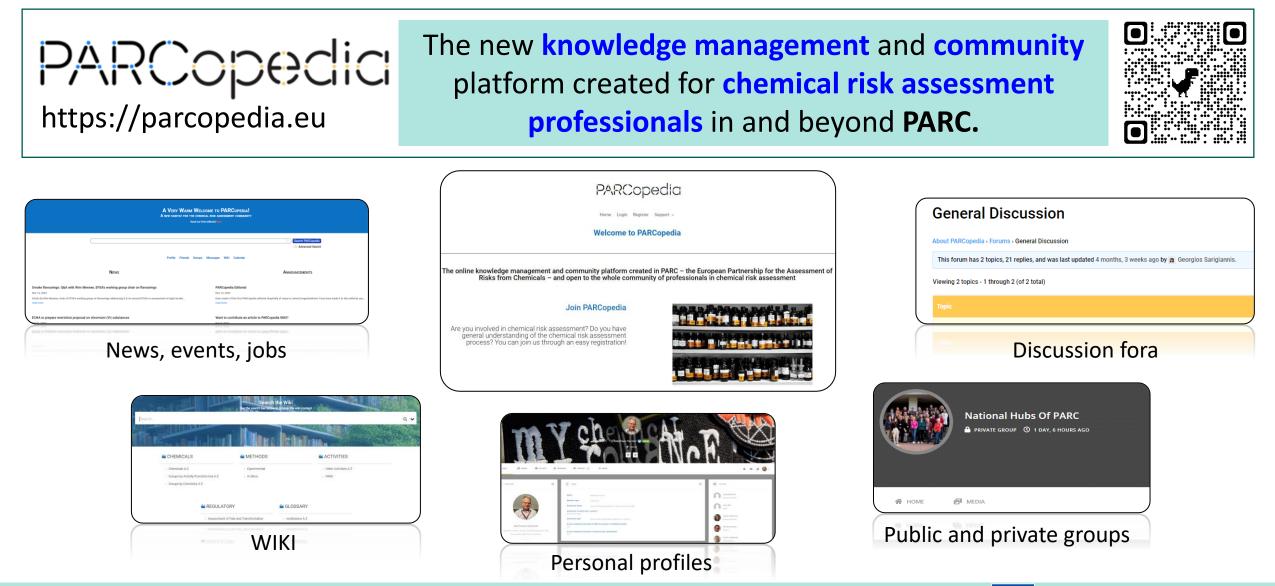
But we also need a true co-operative spirit, work and knowledge sharing instead of territorial claims of individual initiatives and an openness for debate as well as compromises!





A new co-operative space for the risk assessment community

(launched 15 November 2023)





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Thank you for your attention!

Matthias Herzler

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