

PARC – EFSA

Aggregated exposure assessment

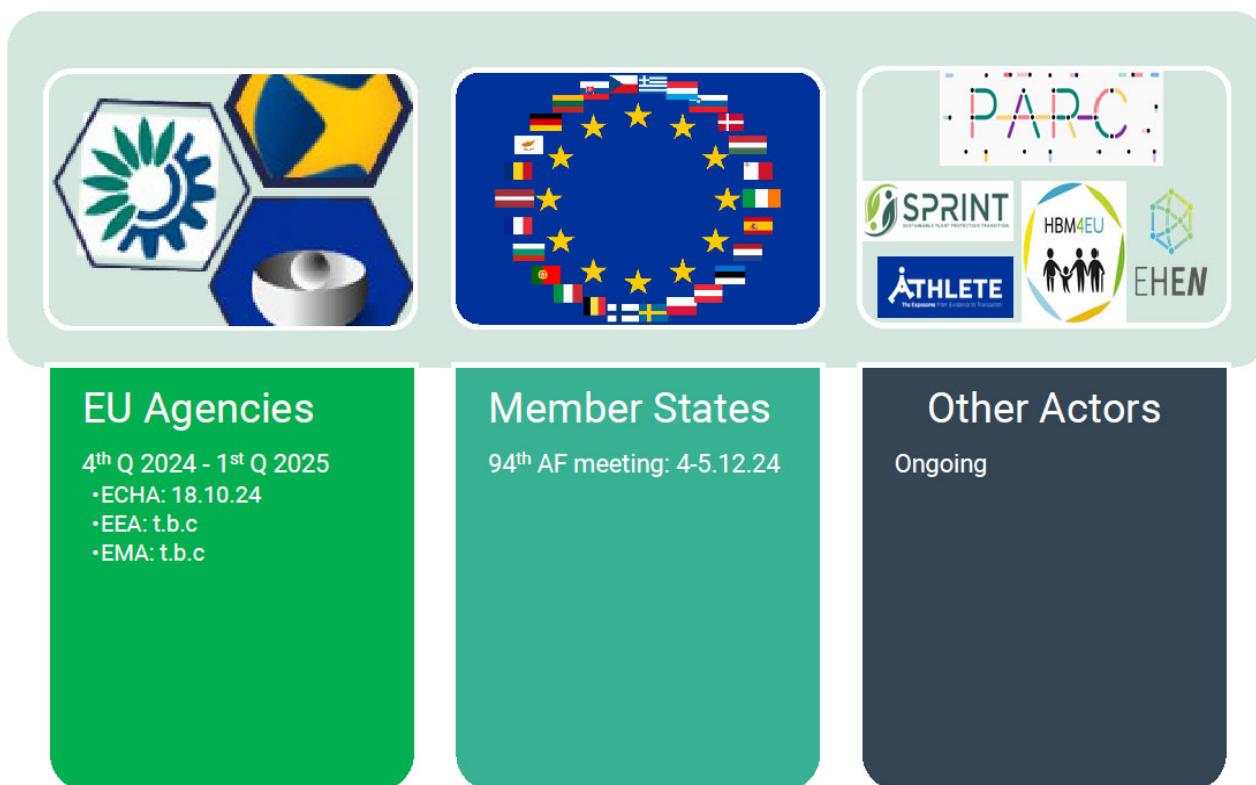
Next steps and what PARC can contribute

EFSA Advisory Board meeting 4 December 2024

PARC



In de EFSA Advisory Forum vergadering van 4-12-2024 is door EFSA directie en directeuren Voedselautoriteiten (NVWA) van alle lidstaten vastgesteld:



What helps to understand applicability of tools and data that could be used for aggregated exposure assessment

- Understanding Regulatory needs (for example Transparency, GDPR, OS-OA, Common Data Platform)
- Training to familiarize yourself with the tools and data
- Engagement in joint projects



PARC in the context of societal needs

1. Need to bring scientific innovations closer to societies/Member States (one of the reasons of the European Commission to start working in Partnerships like PARC).
2. Concerns about chemical safety policies and presence of chemicals in human samples are widely recognized and addressed in the Chemical Strategy for Sustainability (including mixtures and human biomonitoring).
3. Working together is essential (e.g. PARC and European Agencies).
4. What is the right balance between scientific precision and societal concern to implement new generation risk assessment timely?



PARC Task 6.2 meets DG SANTE aiming to discuss observed HBM results, societal concerns and how risk mitigation measures can help

Integrated Risk Assessment dashboard

Filter Effects Substance groups Population groups Help Clear all

Browse the Intergrated Risk Assessments dossiers

search here

Filters

5 of 5 result(s) found

Risk assessment of immune system effects due to exposure to PFAS mixtures Immunotox PFAS Woman

Assessment of immune system risks from PFAS mixtures, based on blood biomarkers from 21 biomonitoring studies (2014–2021) across eight EU countries, covering both ... and women of child bearing age.

Risk assessment of nephrotoxic effects from metals mixture exposure Nephrotoxicity Metals Adults

This study identifies common assessment groups (CAGs) for the pesticide active substances included in Annex I of Council Directive 91/414/EEC (up to 31st of May 2009). The establishment of CAGs was based on a tiered approach. Refined CAGs were established when it could be demonstrated that the compounds actually possess the same mode of action (CAG Level 3) or mechanism of action (CAG Level 4).

Risk assessment for developmental neurotoxicity from metals mixture exposure Neurotoxicity Metals Adolescents

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Risk assessment for neurotoxic effects from pesticide mixture exposure Neurotoxicity Pesticides Children Adults

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Risk assessment for developmental neurotoxicity from metals mixture exposure in NL - example Neurotoxicity Metals Adolescents

Input needed!

Develop a good demonstrator for risk mitigation together. Starting points PFAS or DNT-IQ (MCRA SA)

International Journal of Hygiene and Environmental Health

Volume 251, June 2023, 114167

A case study of neurodevelopmental risks from combined exposures to lead, methyl-mercury, inorganic arsenic, polychlorinated biphenyls, polybrominated diphenyl ethers and fluoride

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Create new standard action

Select standard action type

Chronic mixture risk assessment of metals

This standard action enables you to perform a probabilistic chronic risk assessment of the combined exposure to four metals (cadmium, lead, inorganic arsenic and inorganic mercury) in food. Two health effects can be studied, the effect of the metals on chronic kidney disease (nephrotoxicity) and on developmental neurotoxicity IQ (DNT-IQ). The risk assessment follows EFSA guidelines on mixture risk assessment. It also helps you to set maximum limit concentrations (MLs) in foods for the four metals and to predict the effect of those MLs on the combined risk.

Proposed PARC projects integrative risk assessment (2025-2029)

- Including the priorities on endpoints and chemical classes to be included in aggregated exposure set by the PARC Governing Board set for 2025-2029.
- Activities in PARC project are for 45% financed by DG RTD and for 55% by partners (Universities, Public Research Organizations, and National Public Health Institutes).
- Working together and willingness to cooperate based on engagement, co-creation and impact essential!
- Info session held to understand willingness and capacities of 60 partners working in integrative risk assessment projects
 - (more partners, more budget).
- Synergies and training activities to be discussed with stakeholders.

