

Le Partenariat européen pour l'évaluation des risques liés aux substances chimiques

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Rencontres de Santé publique France
2023

21 Juin 2023

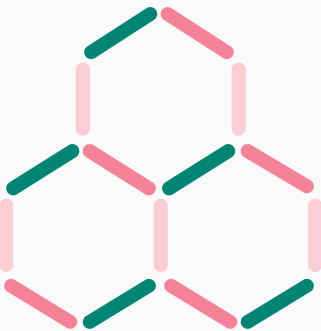
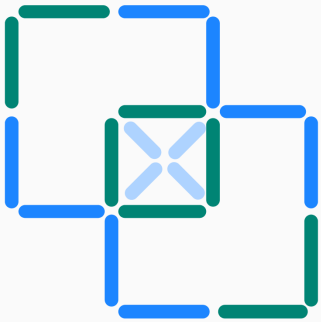
PARC



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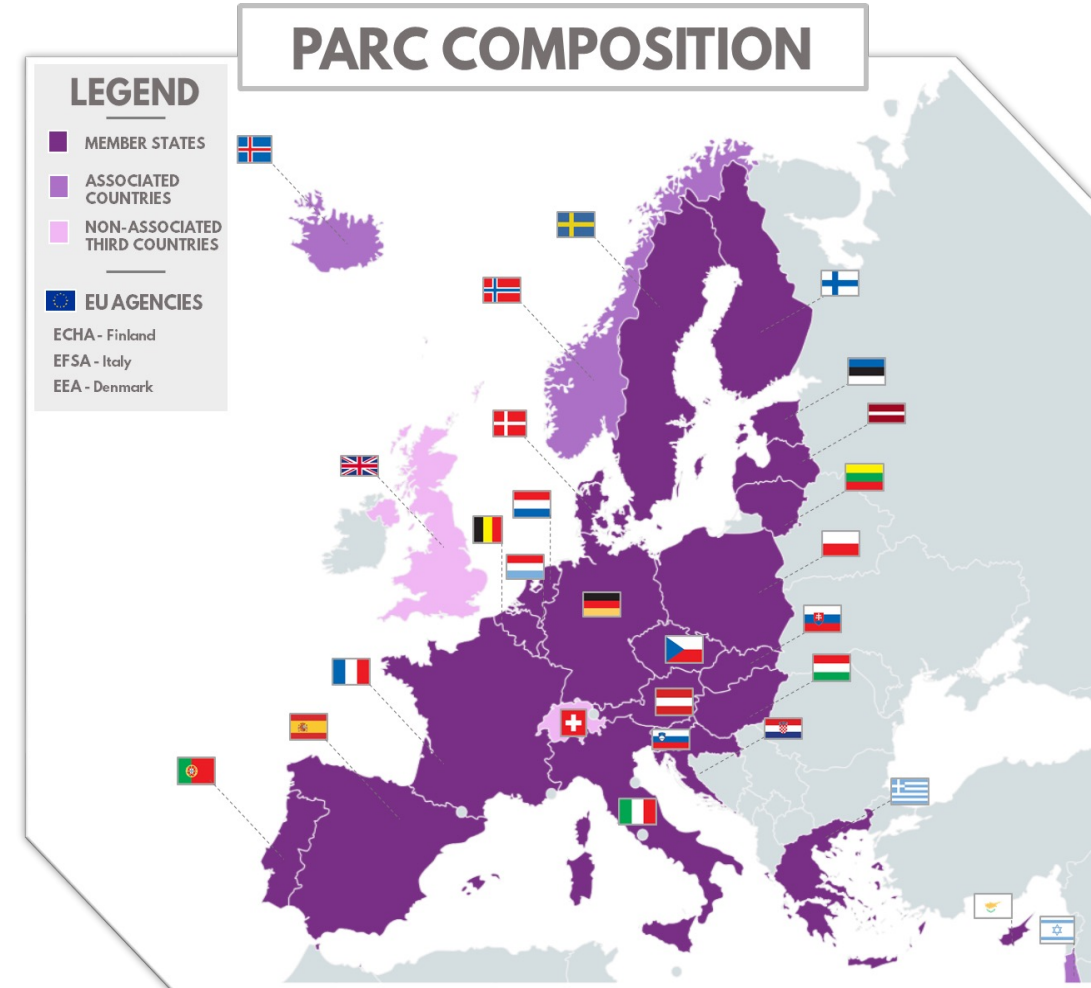
Cette intervention est faite en toute indépendance vis-à-vis de l'organisateur de la manifestation.
Je n'ai pas de lien d'intérêts avec le sujet traité.



PARC en quelques mots

→ **Objectif:** soutenir conjointement l'élaboration et la mise en œuvre d'un programme d'activités de R&I pour renforcer les capacités européennes en évaluation du risque chimique pour protéger la santé humaine et l'environnement

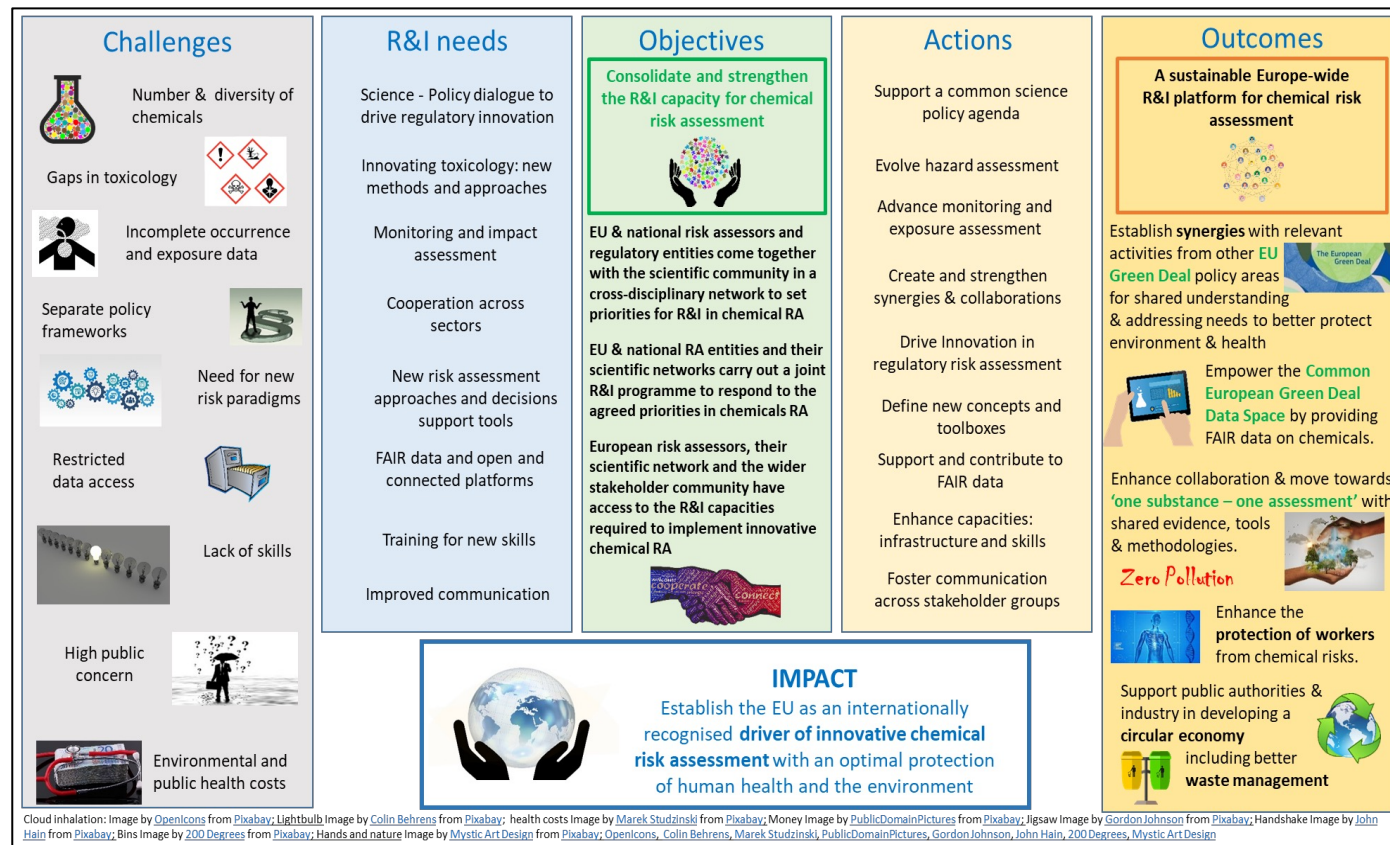
- Partenariat européen **public-public** sous Horizon Europe
- **Cofinancé** 50/50 par la CE et les partenaires
- **Budget de 400M€**, remboursement max 200M€ par la CE
- Durée de **7 ans** - lancement printemps 2022
- **198 partenaires de 28 pays** - 23 EM, 3 pays associés, 2 pays non associés (Suisse, UK), et **3 agences UE (EFSA, ECHA et EEA)**



Objectifs de PARC

3 axes stratégiques :

- La **collaboration** des évaluateurs de risque au niveau national et EU, avec les réseaux scientifiques de chercheurs dans un **environnement transdisciplinaire**, pour **fixer les priorités communes**
- La mise en place d'un **programme de recherche et d'innovation coordonné** pour répondre aux priorités identifiées
- **L'accès** des évaluateurs de risques, de leurs réseaux scientifiques et des parties prenantes **aux capacités de recherche et innovation** nécessaires pour une **évaluation du risque chimique innovante**

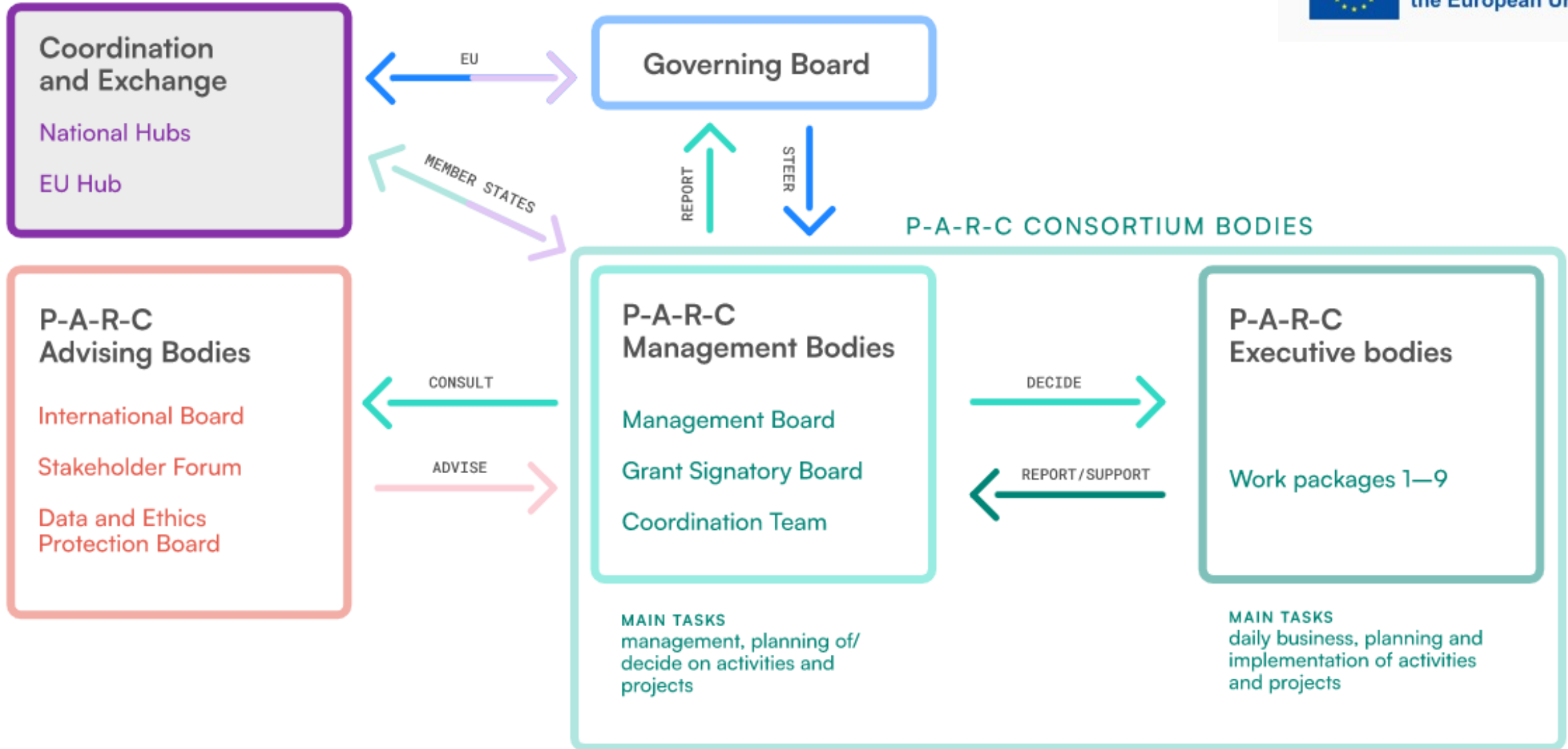


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Gouvernance de PARC



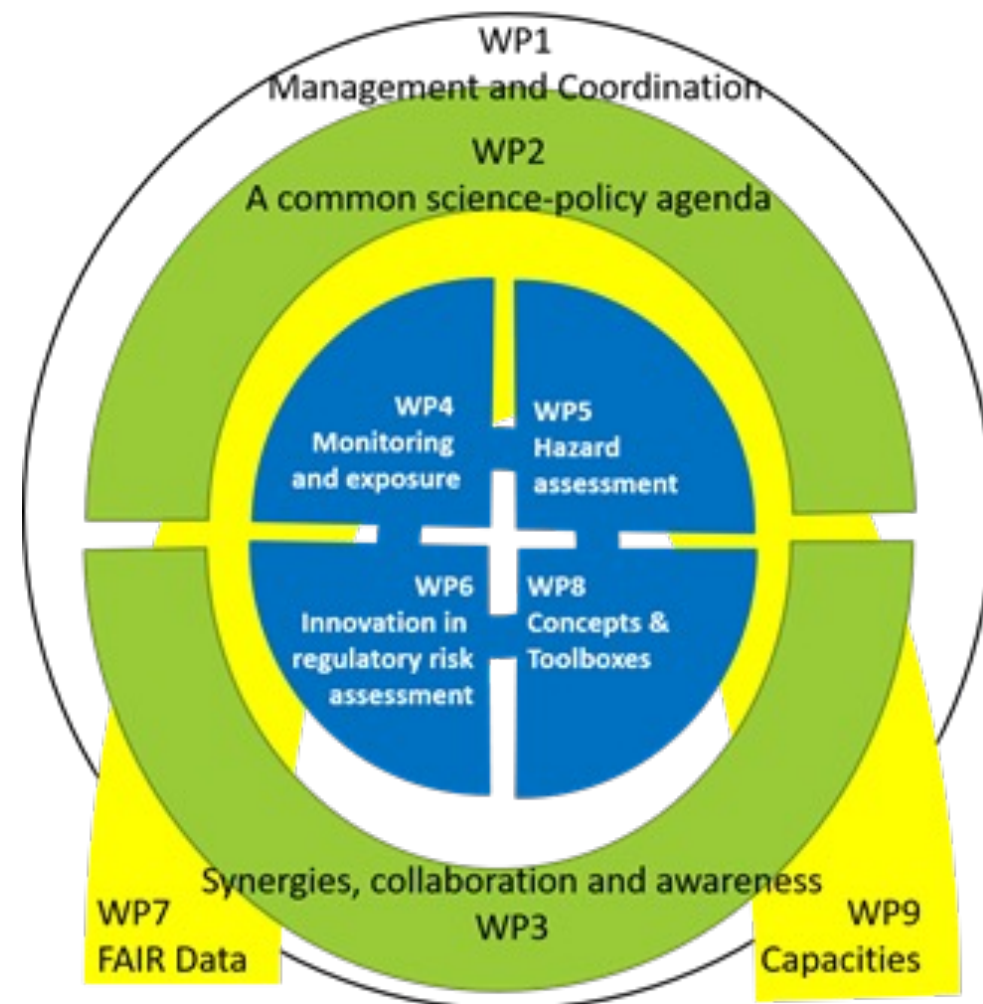
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Organisation et structure de PARC

Le programme de travail de PARC est structuré autour de **9 « Work-packages (WPs) »** avec **2 co-leaders par WP** (sauf WP1 coordination) qui forment le « **Management Board (MB)** »

- WP1** – Management & Coordination
- WP2** – Common Science-Policy agenda
- WP3** – Synergies, collaboration and awareness
- WP4** – Monitoring & exposure
- WP5** – Hazard assessment
- WP6** – Innovation in regulatory risk assessment
- WP7** – Fair Data
- WP8** – Concepts & toolboxes
- WP9** – Capacities



Monitoring des substances chimiques chez l'Homme (exposition interne) et dans les compartiments alimentaires et environnementaux (exposition externe)

4.1 Biomonitoring Humain

Consolidate and further develop the **human biomonitoring platform**, generating and analysis of HBM data, and develop the network of qualified laboratories for biomarkers analysis

4.2 Monitoring environnemental

Understand the **presence of chemicals in the environment**, their exposure to humans, considering multiple sources (e.g. air, water food, consumer products)

4.3 Methodes et outils innovants

Develop **innovative tools and methods** to improve human, food and environmental monitoring schemes, contribute to an early warning detection of chemicals of emerging concern.

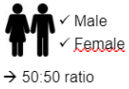
WP4: Monitoring et Exposition

PARC Aligned Studies

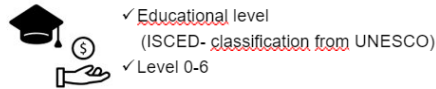


	Children 6-11 yrs.	Teenagers 12-17 yrs.	Adults 18-39 yrs.
Min # countries	11	11	11
Min #participants	3300	3300	3300

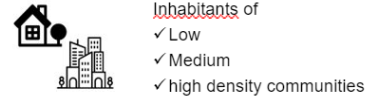
Sex



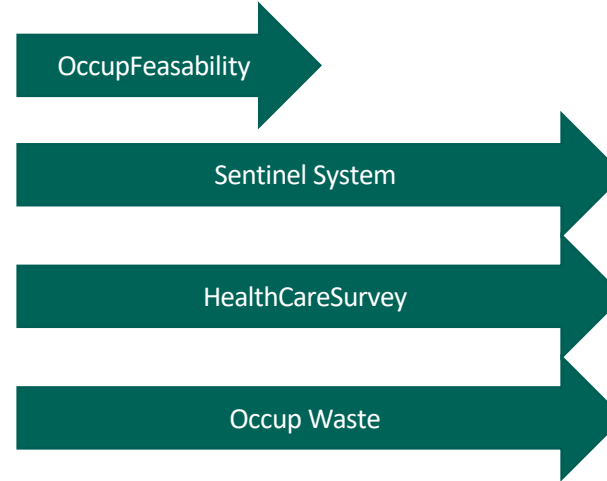
SES socio-economic status



Subject living environment



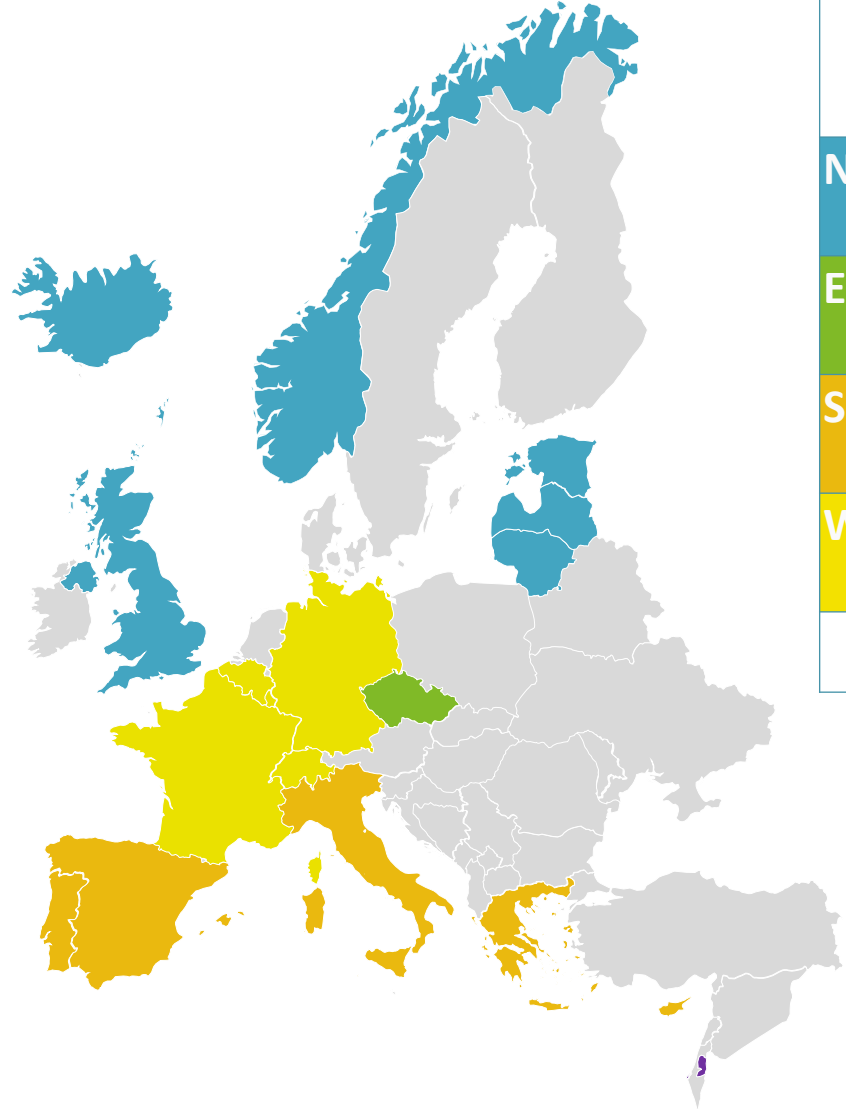
Targeted surveys



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WP4: Monitoring et Exposition

PARC Aligned Studies – en préparation



	EU inhabitants presented by the region, compared to whole EU* (%)	Minimal N of countries to be included	Target sample size to be included
North	DK, EE, FI, LV, LT, SE, NO, IS, (IE) 20 %	2	600
East	CZ, HU, PL, SK, (BG), (RO) 17 %	2	600
South	HR, CY, IT, PT, SI, ES, (MT) 26 %	3	900
West	AT, BE, FR, DE, LU, NL, CH 37 %	4	1200
11 countries 3300 participants			

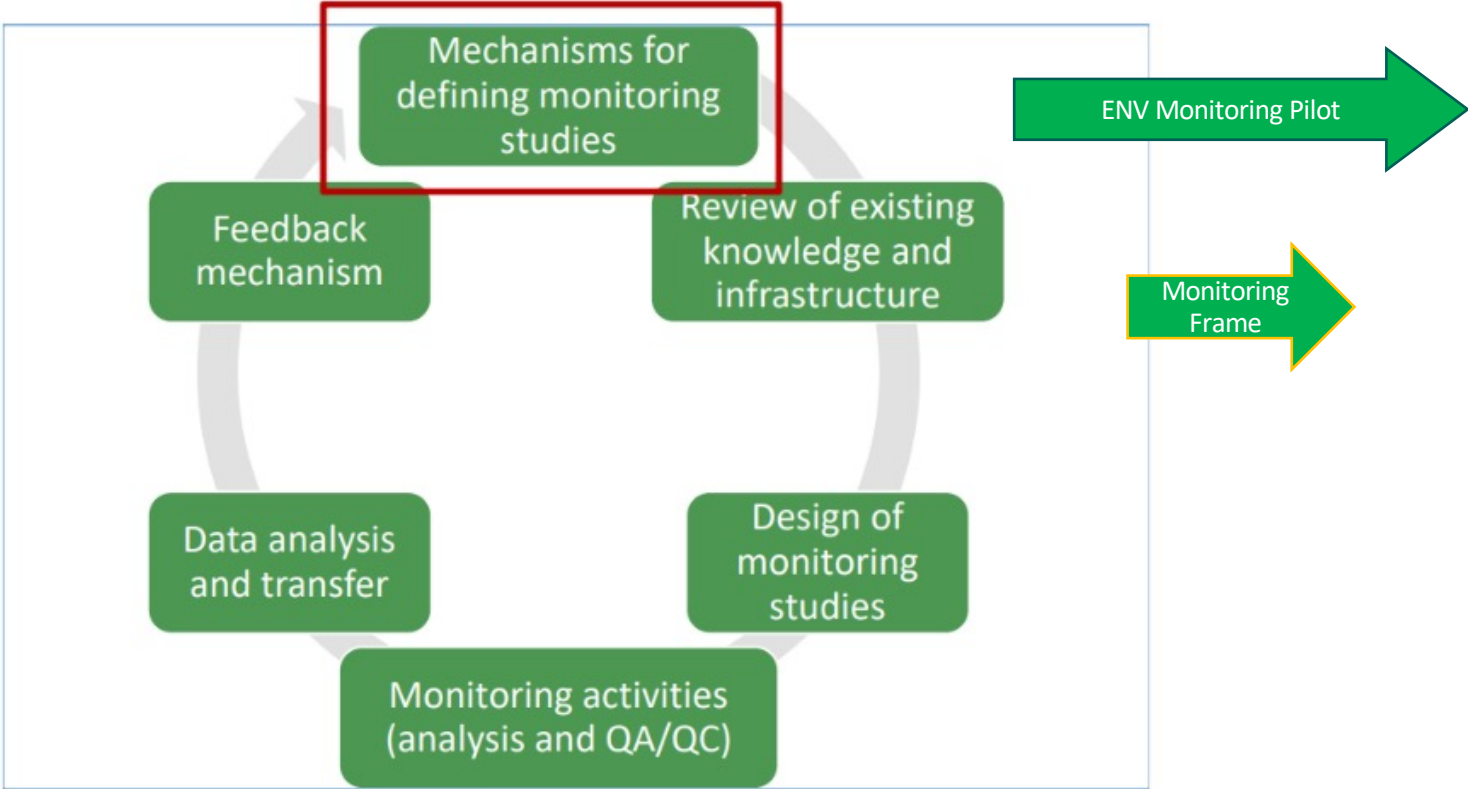
Children	Teenagers	Adults
PFAS	PFAS	PFAS
Pesticides	Pesticides	Pesticides
Bisphenols	Bisphenols	Bisphenols
Metals (Cd)	Arsenic species	Metals (Cd)
Mercury	Phthalates & substitutes	Mercury
Phthalates & substitutes		UV-filters
OPFRs		(tentative)

Liste préliminaire



WP4: Monitoring et Exposition

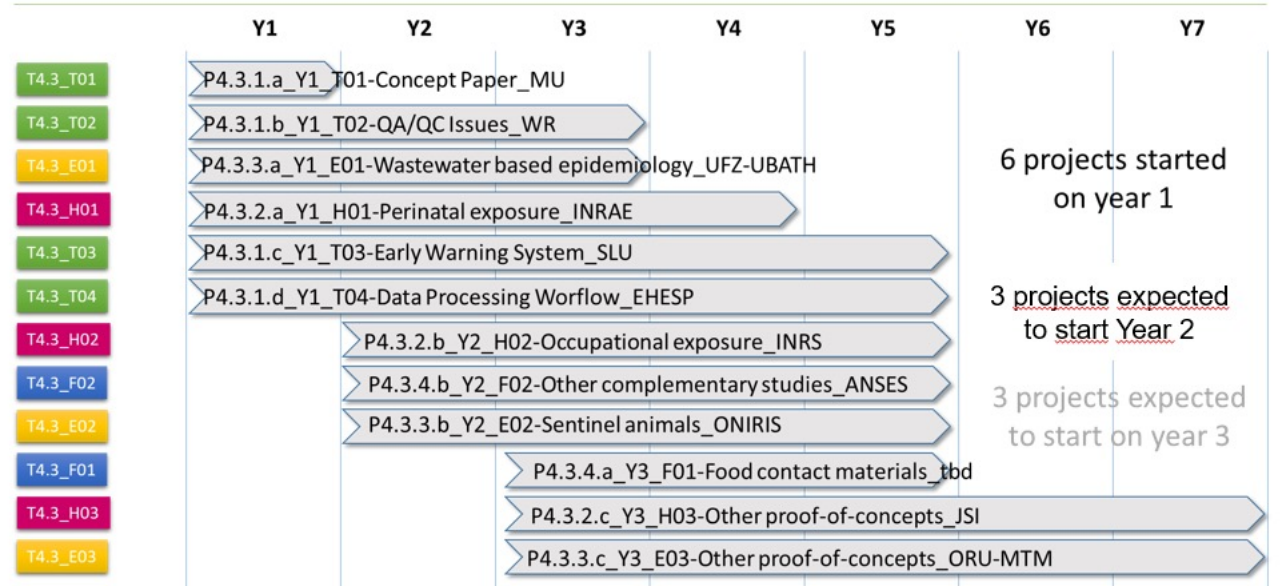
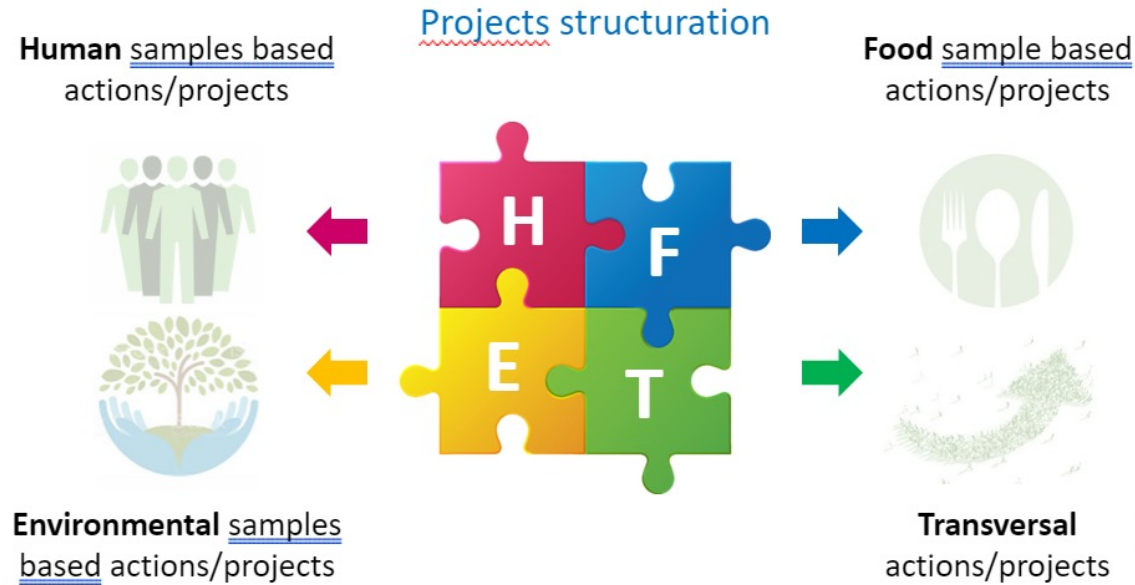
Environment



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WP4: Monitoring et Exposition

Développement de Méthodes et Outils d'analyse innovants

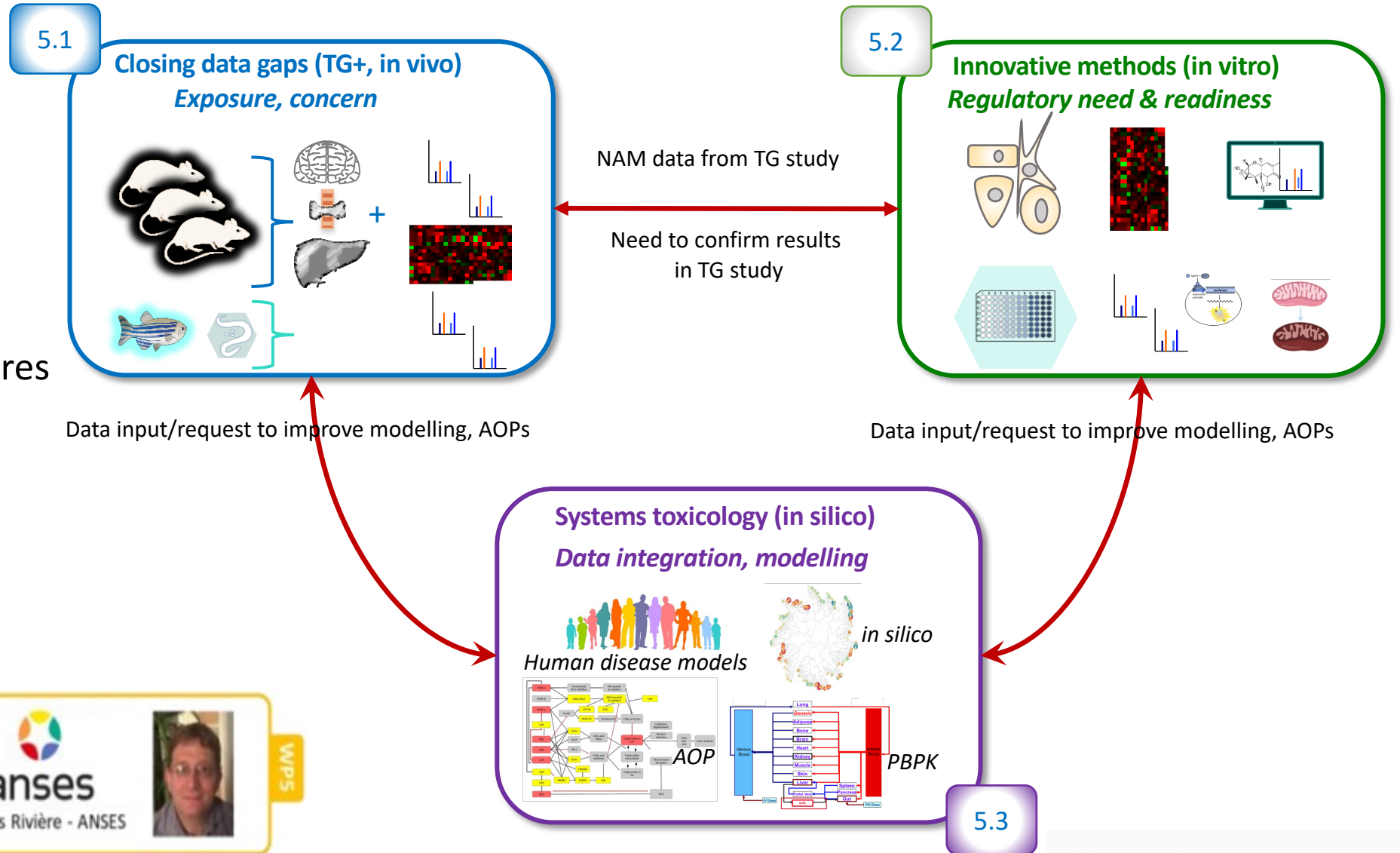


Evaluation des dangers des substances (WP5)

Work-streams

- Substances
- Effets
- Besoins réglementaires

Santé Humaine
Environnement





BfR
German Federal Institute for Risk Assessment
Philip Marx-Stoelting - BfR



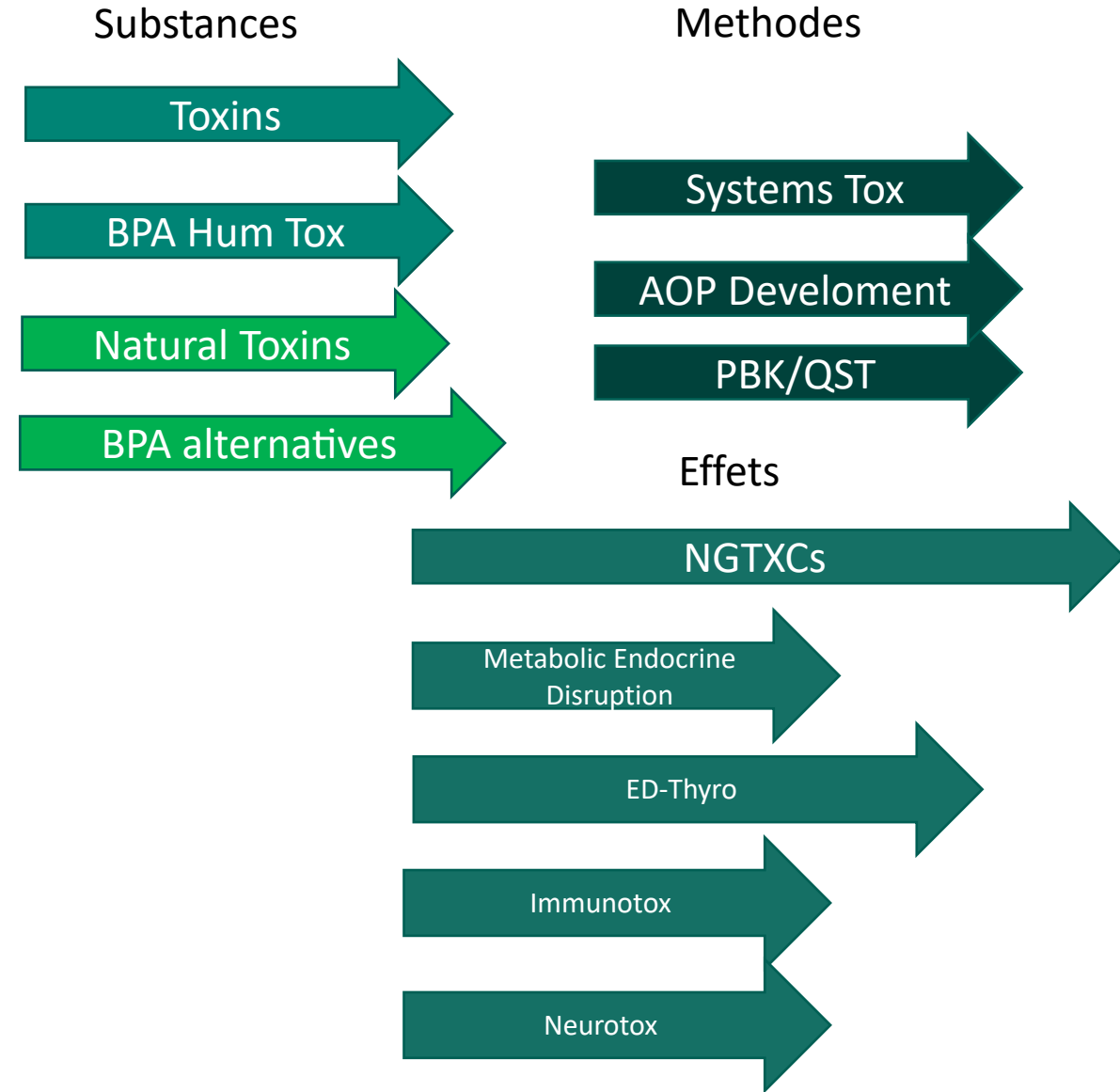
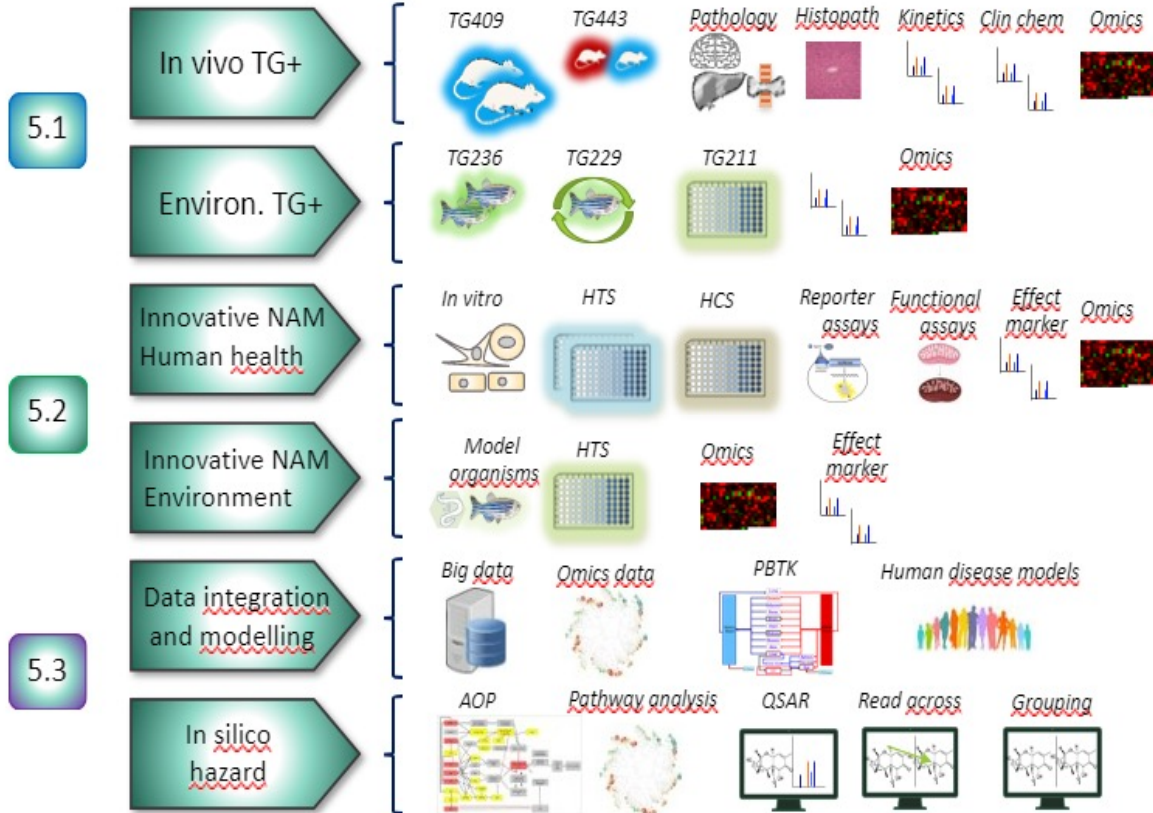
anses
Gilles Rivière - ANSES



WP5

Evaluation des dangers des substances (WP5)

The PARC Toolbox – WP5 contribution: Hazard Assessment



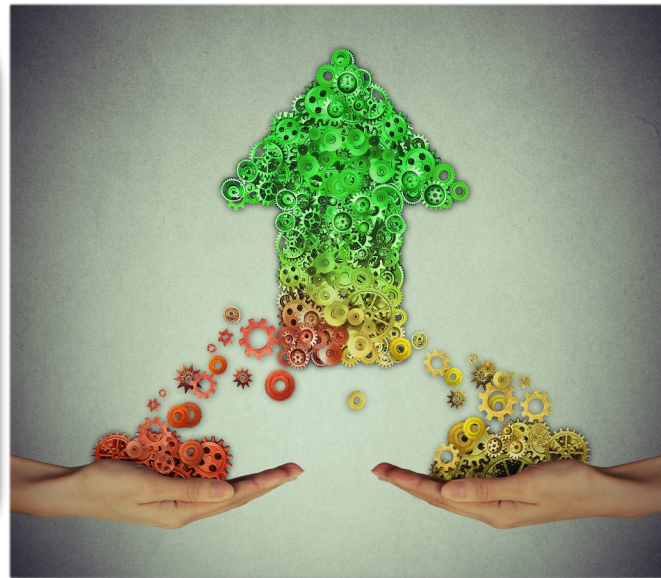
WP6: Innovation en valuation des Risques réglementaires

Protect human health and the environment; contribute to a non-toxic environment and a circular economy



Scientific basis for NGRA

Quantitative AOP networks
Mechanism-based IATAs, using
New Approach Methodologies
Multiple route exposure
workers and general population
Unintentional mixtures and real-life exposure
Health impact assessment
Across regulatory silos



Regulatory science

Driven by **regulatory needs**
Determine **feasibility**, within
existing legislations and in
the **future**
Efficiency of **existing** and
emerging methods
Data availability and quality
Across legislations
Regulatory acceptance

*Generating the best science
to answer regulatory questions*

*Ensure that science meets
regulatory needs*



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Substances d'intérêt dans PARC (1^{ère} Phase)

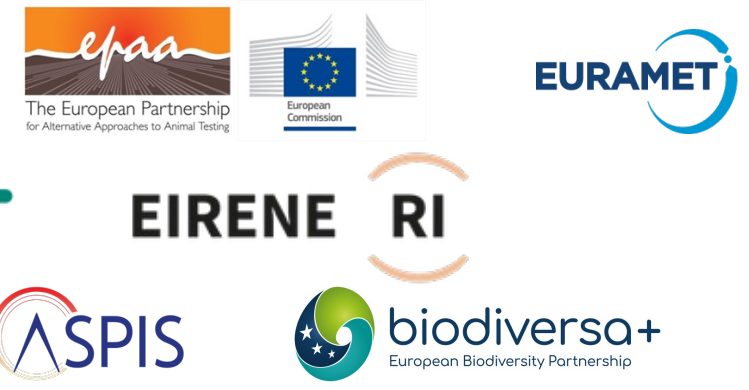
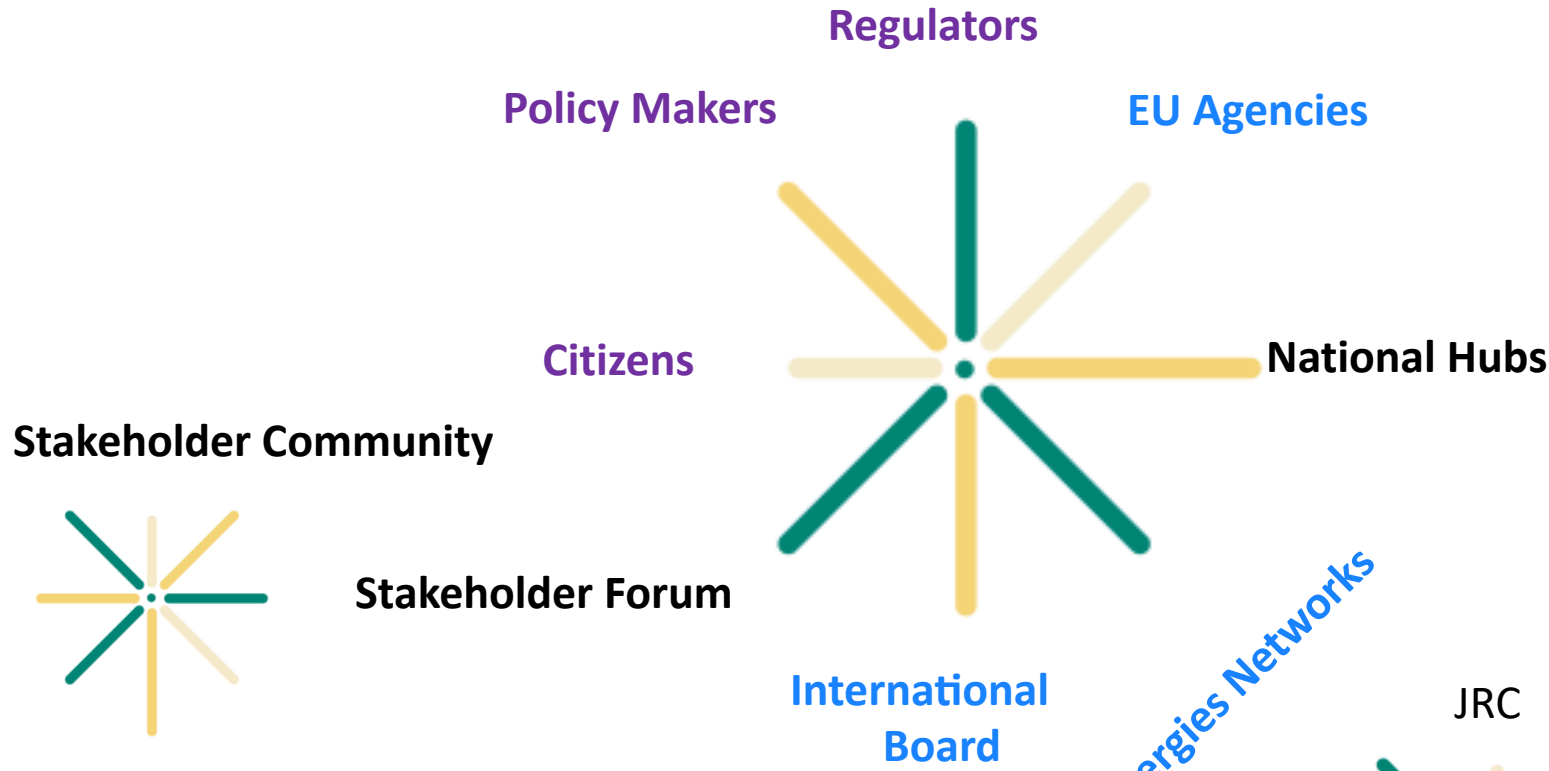
- ✓ 3rd round of Prioritisation done under [HBM4EU](#)
- ✓ Methods, endpoints and substances prioritised in the interim [GB's survey](#)
- ✓ “[Chemical Strategy for Sustainability](#)” and the “[Strategic Research and Innovation Chemicals and Materials](#)” documents
- ✓ [Regulatory needs](#) identified by WPL/TL according to their WP/Task objectives
- ✓ [Hazardous](#) properties and characteristics of substances
- ✓ Available [data](#) and knowledge [gaps](#)
- ✓ [Partners'](#) interests, their capacities and [resources](#)
- ✓ Interactions and crosslinks with other WPs or Tasks within [PARC](#)
- ✓ Scientific activities done [outside](#) PARC
- ✓ [Discussions](#) with regulatory agencies (e.g.: SCCS, ECHA, EEA, EFSA, etc.)

Substances / Group of substances	WP4	WP5	WP6
Biocides	✓	✓	✓
Pharmaceuticals / Hazardous medicinal products	✓		✓
Veterinary pharmaceuticals			✓
Plant protection products	✓	✓	✓
PFAS	✓		✓
BPA, BPA analogues, BPA alternatives, Bisphenols	✓	✓	✓
Natural Toxins		✓	✓
Metals	✓		✓
Mercury	✓		
Arsenic	✓		
Phthalates	✓		✓
Flame retardants			✓
Endocrine Disrupting Compounds (EDC)	✓	✓	✓
Metabolic Disrupting Compounds (MDC)		✓	
Emerging chemicals	✓		
Mixtures	✓	✓	✓
Food contact material		✓	✓
Cosmetics		✓	✓
PBT/vPvB	✓		✓



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PARC: Synergies, collaboration and awareness



➤ GSCL (GR) and INSA (PT)

Visibilité de PARC



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PARC (@PARC_chemicals) / Twitter



LinkedIn



Instagram



Presse

Un tout nouveau site web:



→ Très bonne adhésion de toute la communauté scientifique et des agences autour de PARC

[Parc \(eu-parc.eu\)](http://eu-parc.eu)

Merci de votre attention!

Questions ?



PARC Coordination



Pascal SANDERS
PARC Coordinator



Christophe ROUSSELLE
PARC Deputy Coordinator

European project managers



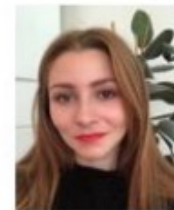
Ronan CORFDIR



Basile CAZALIS



Philippine de BARBEYRAC



Marie CONORT



Hanna MOUAZIZ



Elena TARROJA



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