

# European Partnership for the Assessment of Risks from Chemicals

**PARC**

*Horizon Europe candidate Partnership*

**How can EPAA contribute ?**

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**EPAA Annual Conference**

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# What is PARC?

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- A public-public **partnership** under Horizon Europe
- 7 years partnership – 400 millions euros co-funded 50/50
- An initiative where the **European Union**, prepared with early involvement of **Member States and Associated Countries**, together with public partners (EU and National Risk Agencies, Universities, Public Research Organisations), commit to **jointly support the development and implementation of a programme** of research and innovation activities in relation with **the assessment of risk from chemicals**.
  
- **Submitted 21/09/21 HORIZON-HLTH-2021-ENVHLTH-03-01**



# PARC Origins

« EU-TP » A Inter-Agencies European programme to perform toxicological studies for substances of concern for Public Health

Anses initiative launched in January 2017 with MS Agencies (BfR, DTU-Food, FSAO, RIVM, FPS, NFA) and discussed at different EU levels (DGs, EFSA, ECHA, JRC)

## Research and innovation Roadmap



H2020 EJP for Human Biomonitoring

2017-2022

Co-fund with 150 Partners



Coordinator UBA

A Human Biomonitoring Platform

Science to Policy

Chemical exposure and human health

European Green Deal

EU Chemicals Strategy for Sustainability - Towards a toxic-free Environment  
Zero pollution action plan

# PARC composition

## Number of participating countries: 28

Austria (AT), Belgium (BE), Croatia (HR), Czech Republic (CZ), Denmark (DK), Estonia (EE), Finland (FI), France (FR), Germany (DE), Greece (EL), Hungary (HU), Iceland (IS), Israel (IL), Italy (IT), Latvia (LV), Lithuania (LT), Luxembourg (LU), Netherlands (NL), Norway (NO), Poland (PL), Portugal (PT), Slovakia (SK), Slovenia (SI), Spain (ES), Sweden (SE), Switzerland (CH), United-Kingdom (UK)

## Participating EU agencies/services:

**3 agencies:** EEA, EFSA, ECHA

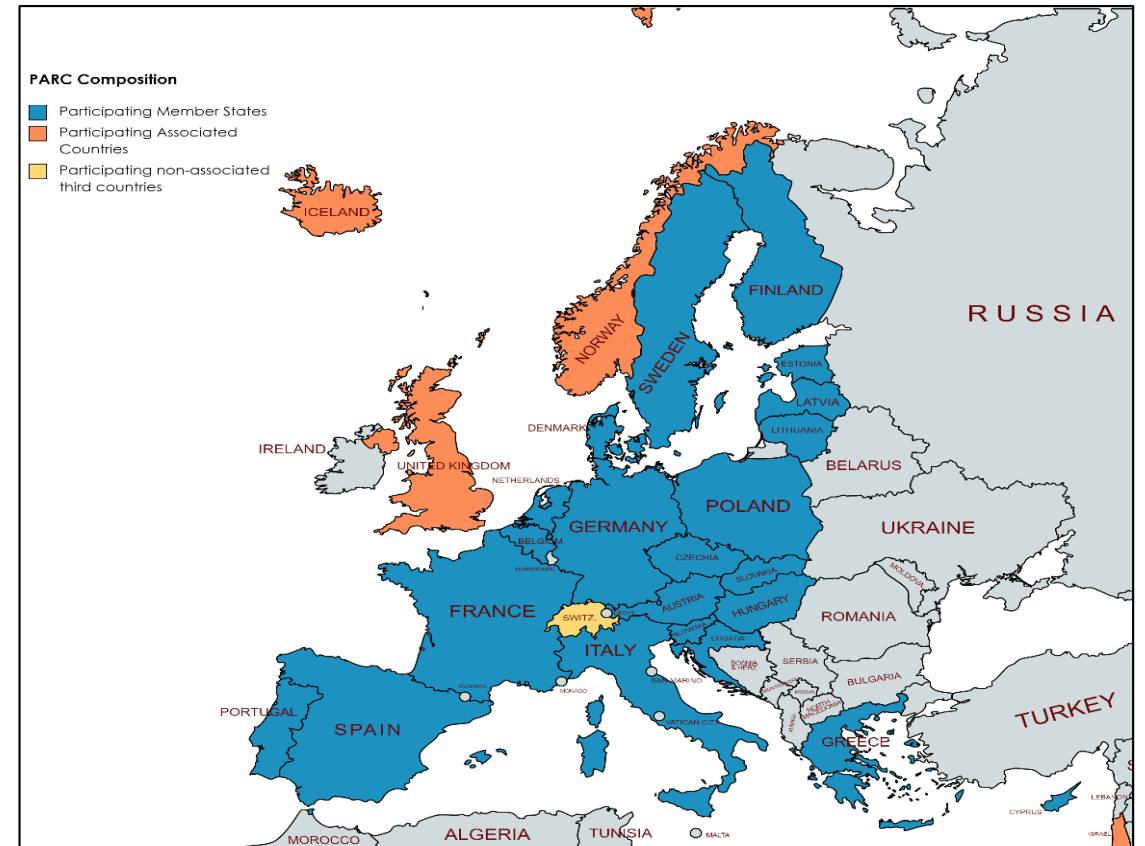
**and 5 DGs:** DG R&I, DG ENV, DG SANTE, DG GROW and JRC

Pending countries for whom participating entities are still to be confirmed : 4

Bulgaria (BG), Cyprus (CY), Ireland (IE), Romania (RO)

Countries with which no contact has been achieved: 1

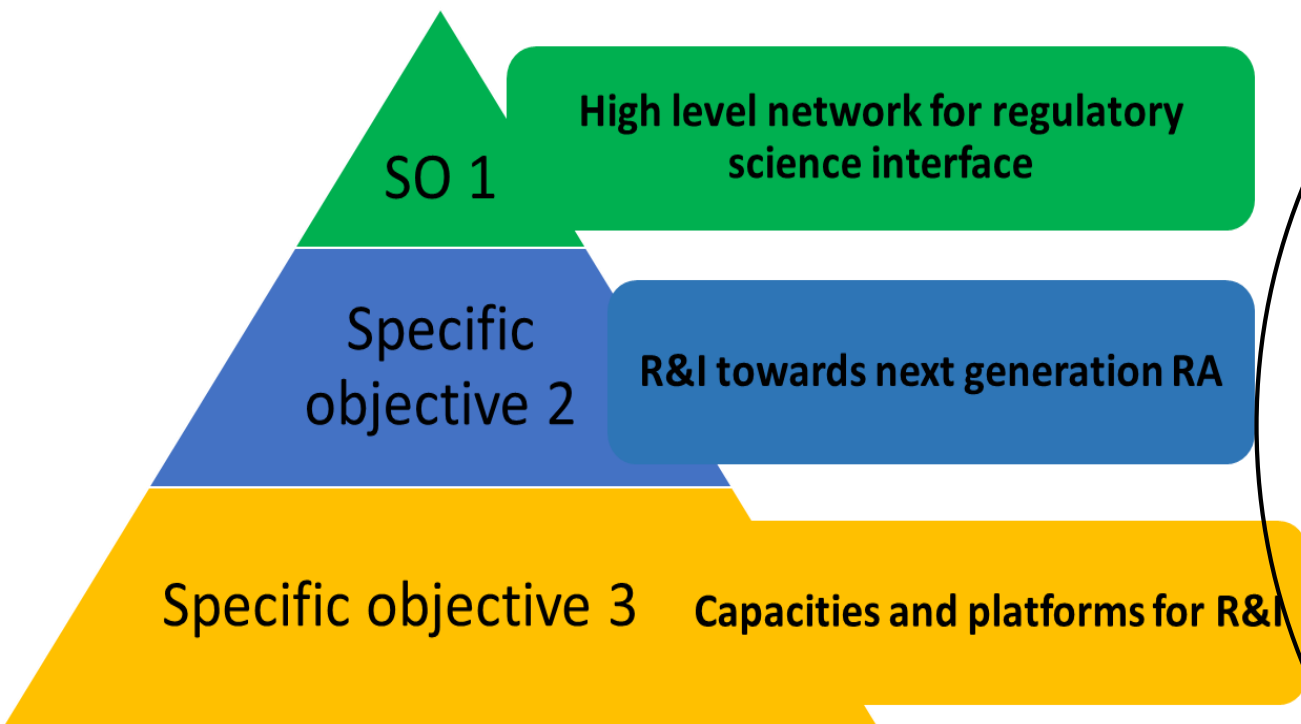
Malta (MT)



Network of 200 Partners

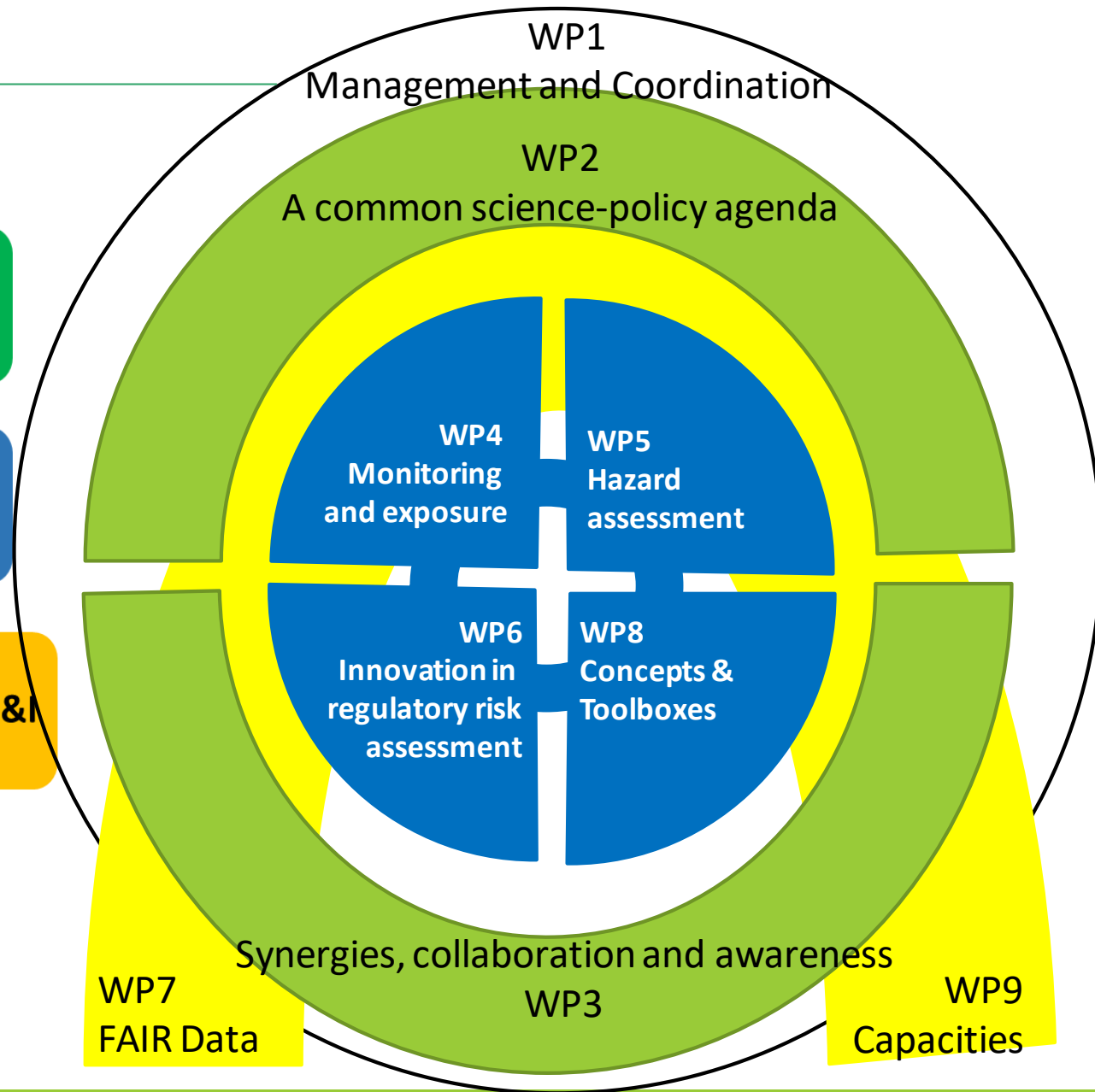


# PARC structure



## Horizon Europe Work Programme - HEALTH

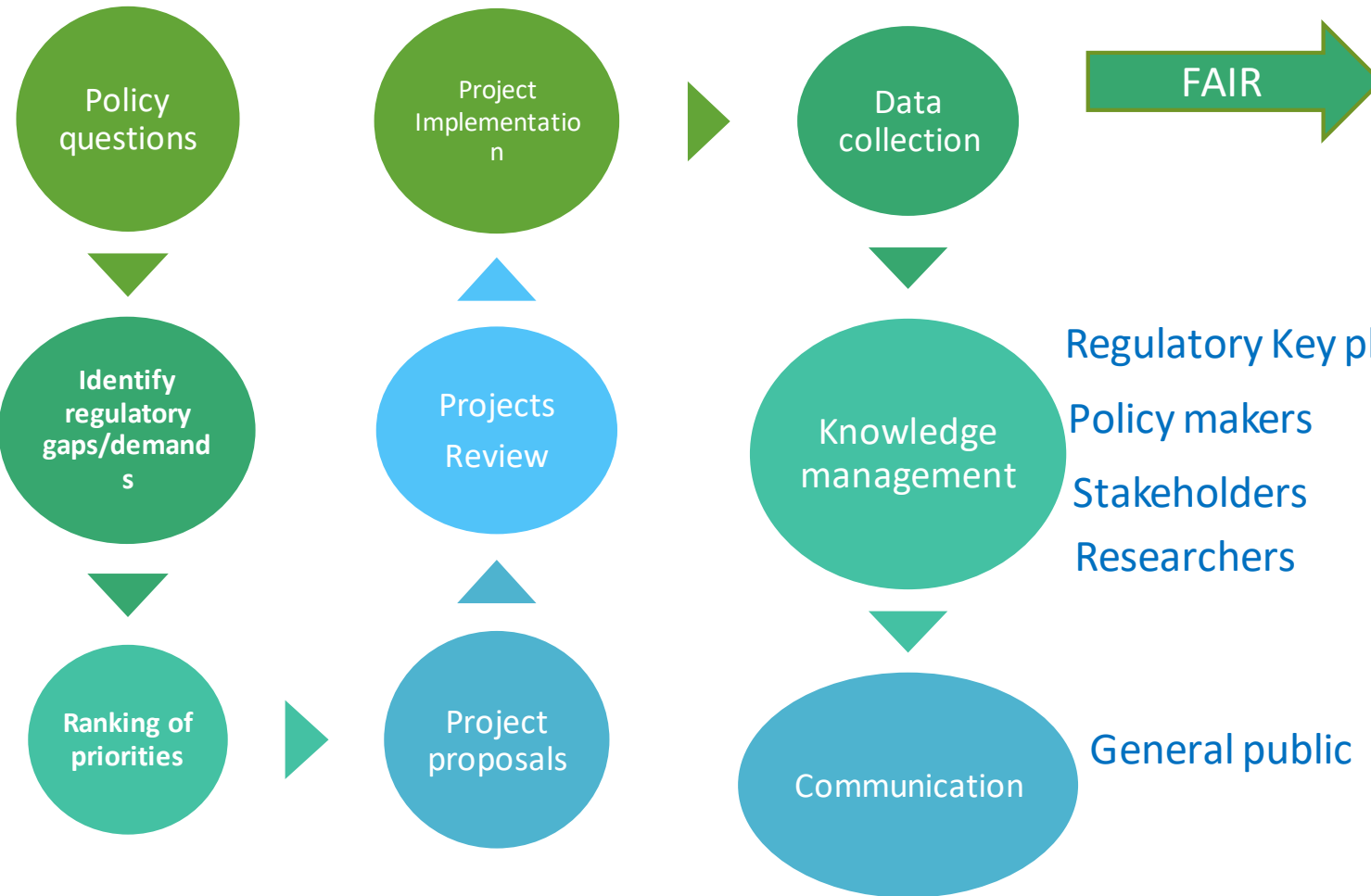
HORIZON-HLTH-2021-ENVHLTH-03-01: European partnership for the assessment of risks from chemicals (PARC)



EU Agencies  
MS Agencies  
Governing Board  
Stakeholders

**WP3: Synergies, collaborations and awareness (INSA(PT), GSCL(EL))**

**WP2: A common Science Policy Agenda (EAA(AU), EEA(EU))**



Regulatory Key players  
Policy makers  
Stakeholders  
Researchers

**Science to Policy Dialogue (SP2D)**

General public

**Task 2.3 Sustainability**

**Task 2.2 Knowledge management and uptake into policy**

- Identify process for change
- Identify and profile key players
- Analyse odds, resources time lines
- Build strategic roadmaps (PARCRoute)



## WP4: Monitoring and Exposure

Monitoring chemicals in humans (internal exposure) and in the environmental and food compartments (external exposure).

➤ UBA (DE) and SpF (FR)

### 4.1 Human Biomonitoring

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 Environmental Monitoring

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

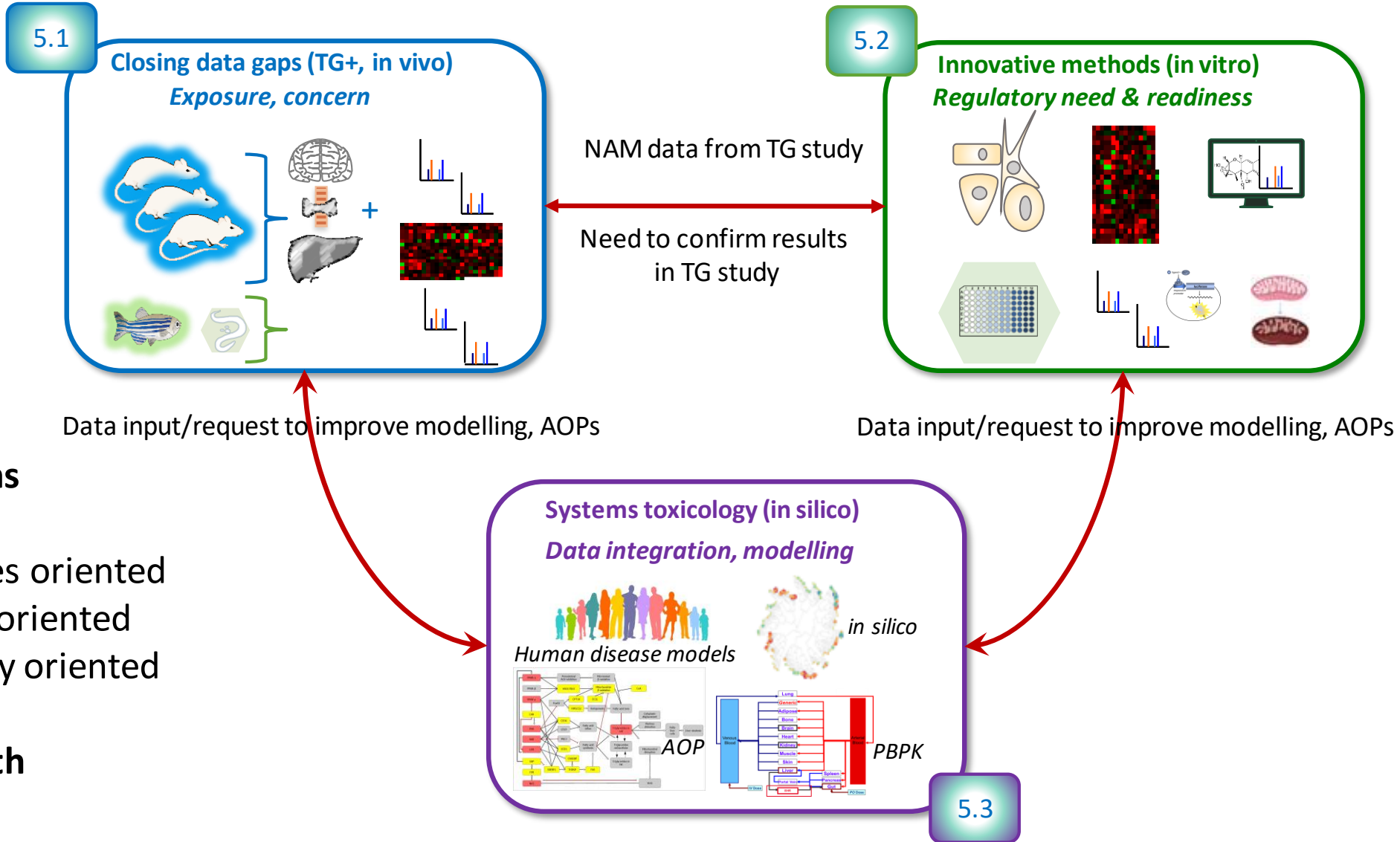
### 4.3 Innovative tools and methods

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



# WP5: Hazard Assessment

➤ BfR(DE) and ANSES (FR)



## Work-streams

- Substances oriented
- Endpoint oriented
- Regulatory oriented

**Human Health  
Environment**





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**

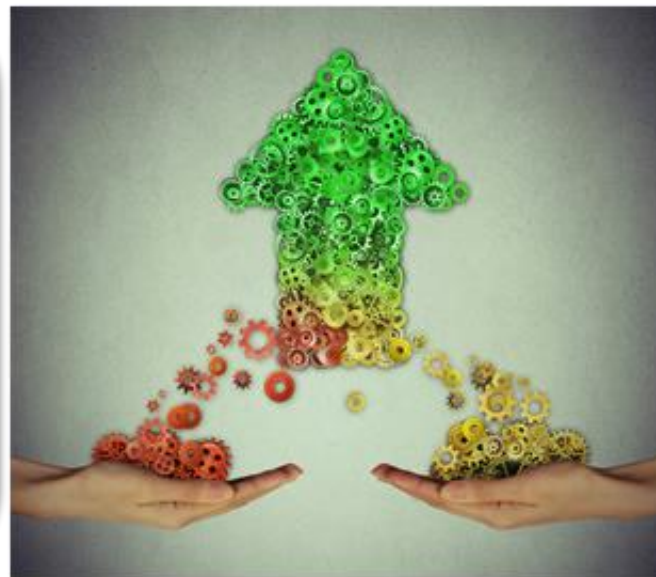
**Multiple route exposure**

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

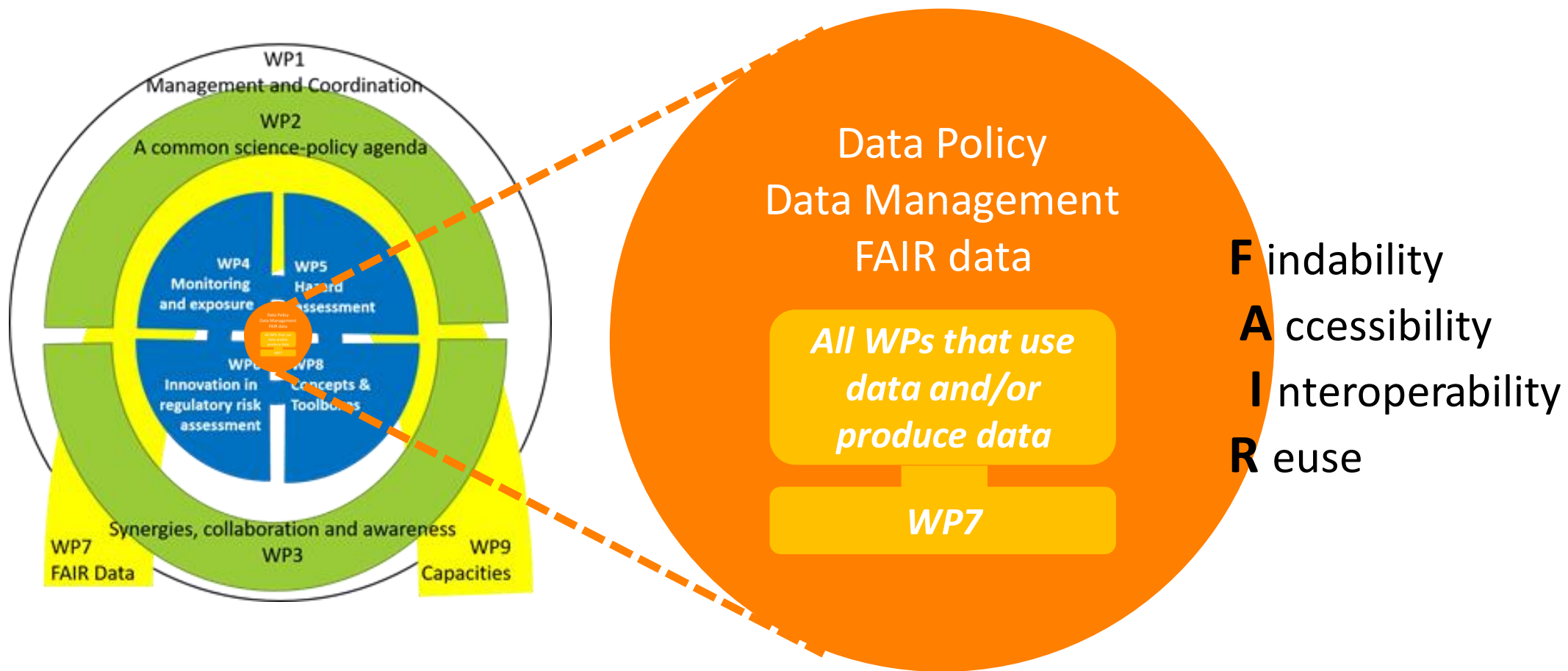
**Data availability and quality**

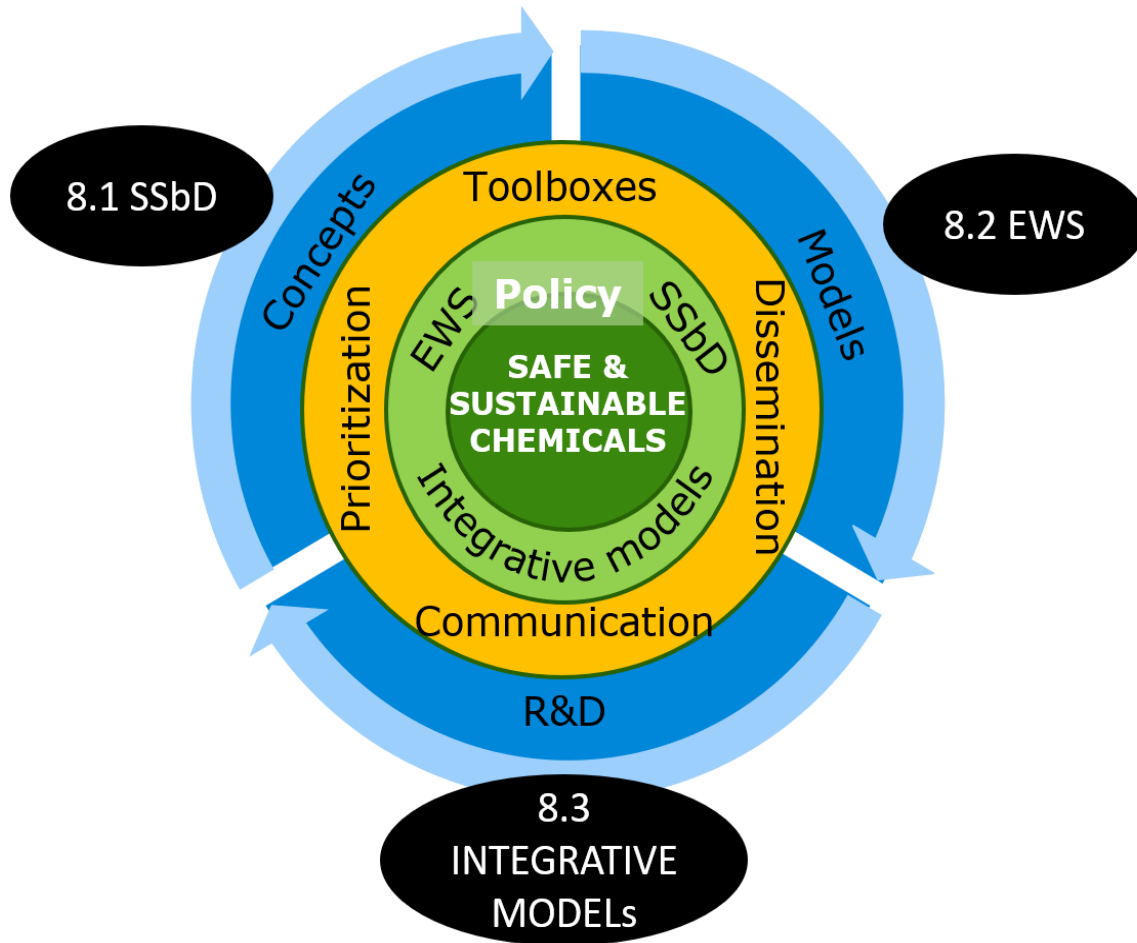
**Across legislations**

**Regulatory acceptance**

*Generating the best science to answer regulatory questions*

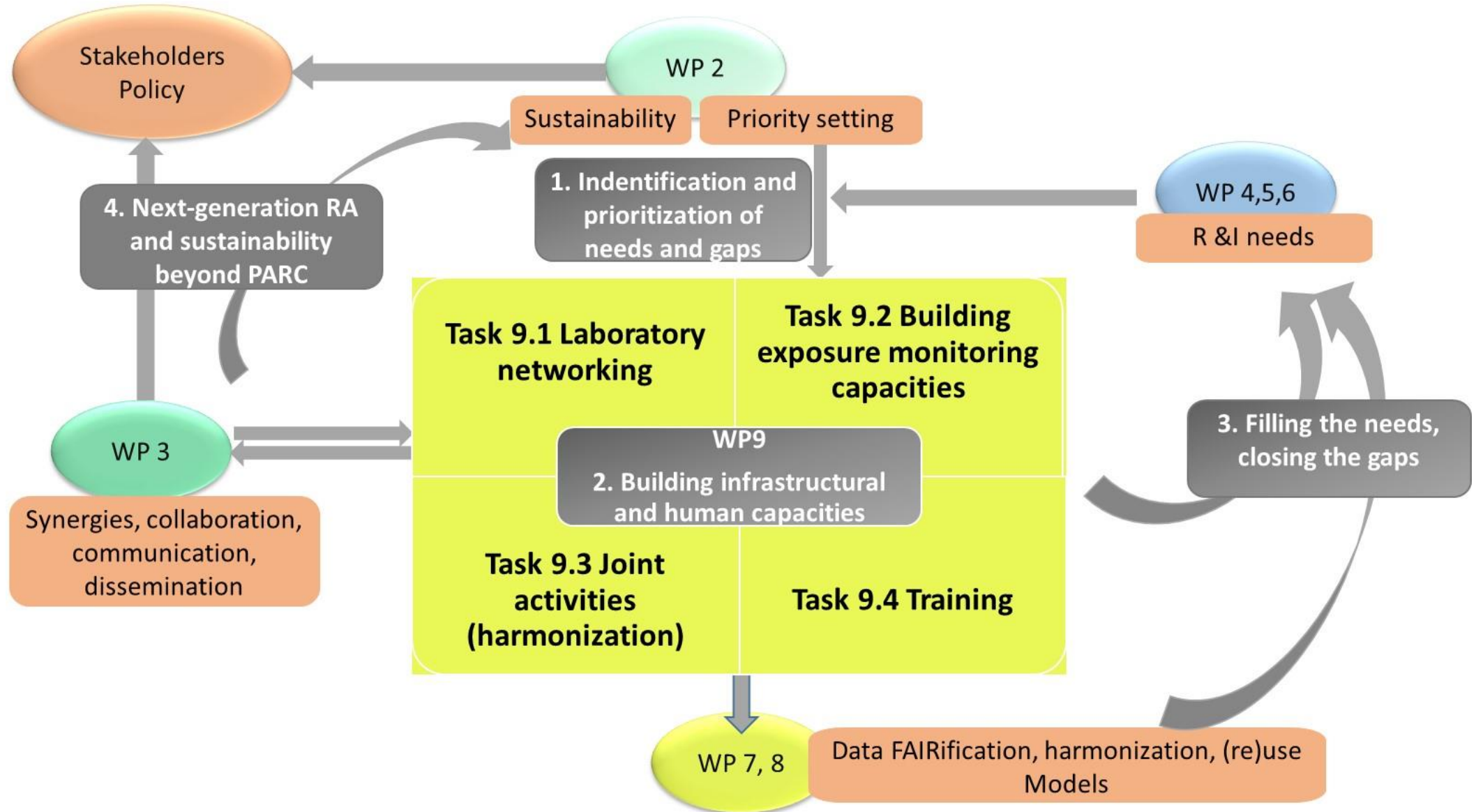
*Ensure that science meets regulatory needs*





WP8 aims at supporting the development and consolidation of new concepts and approaches such as:

- **Safe and Sustainable by Design** chemicals, and their applications in materials and products (Task 8.1)
- Trans-regulatory approaches for **Early Warning Systems** for chemical risks, identification of information need (Task 8.2)
- **Integrative models** approaches for chemical exposure, hazard and risk assessment (Task 8.3)



# How EPAA can contribute?



A close collaboration is expected according our common objectives about 3Rs and shared challenges in EPAA action programme

- Adress science and technology gaps
- Improve intra and inter sectorial collaboration and coordination
- Optimise translation from research to regulatory practice
- Facilitate acceptance of additional sources of evidence in the current regulatory framework
- Communicate scientific reality
- Educate the educated



Return of experience

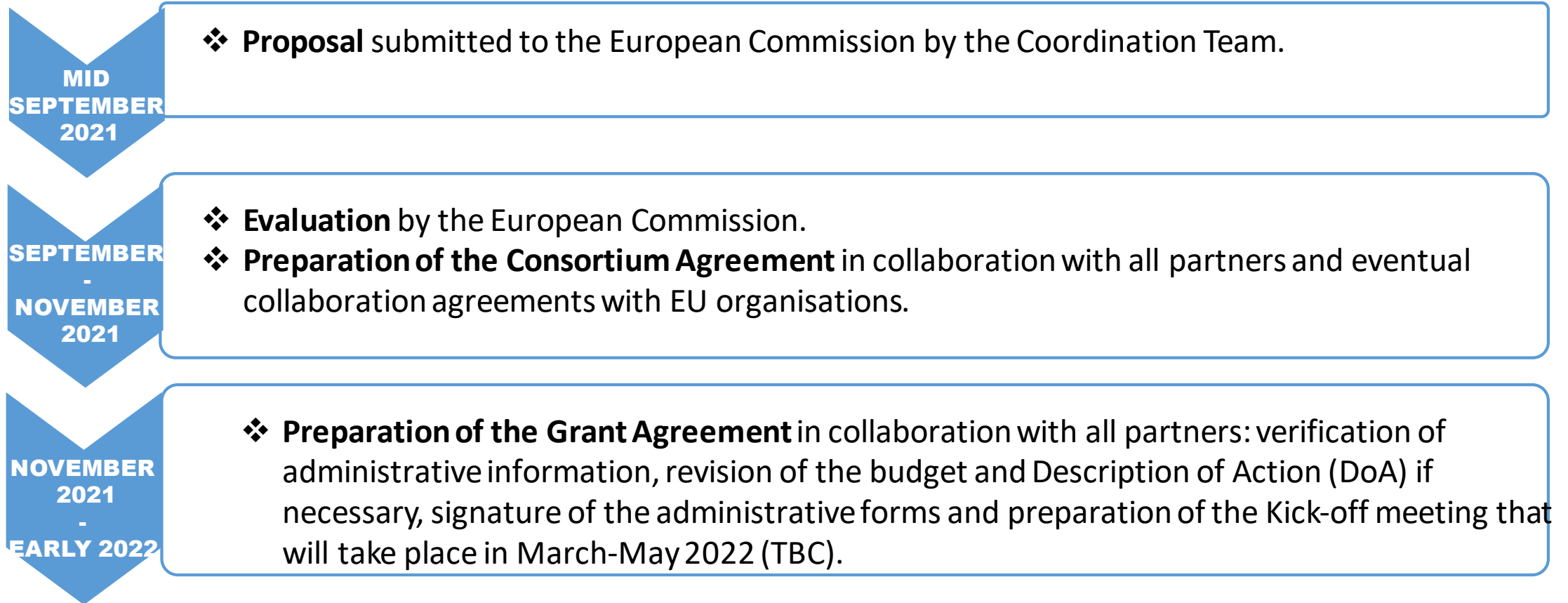
Participation in stakeholder forum

Identification of needs, gaps

Industry case study reports

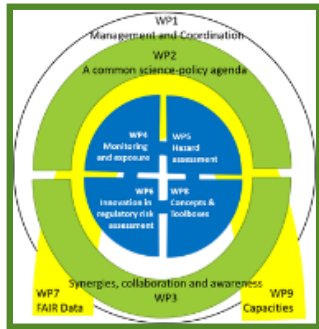
PARC case studies discussion

# PARC proposal preparation roadmap



**March - May 2022 (TBC) : Launch of the Partnership and kick off meeting in France (under French presidency of the Council of the EU)**





Thank you for your attention!

