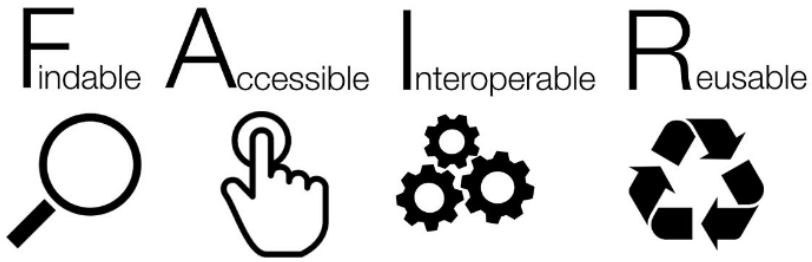



# Aktivnosti v sklopu Delovnega paketa 7

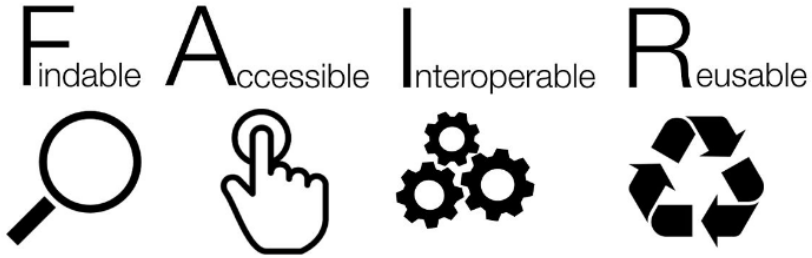
## JSI

**Odsek za znanosti o okolju (O2)**: Janja Snoj Tratnik, Jure Ftičar, David Kocman

**Odsek za tehnologije znanja (E8)**: Panče Panov, Sašo Džeroski

PARC

# WP7 FAIR data




| Task | |
|---|---|
| 7.1 | **FAIR data policy**<br>E8 |
| 7.2 | **Data libraries**<br>O2, E8 |
| 7.3 | **Innovative methods and tools for monitoring and surveys**<br>E8 |

7.2.1 Mapping the Chemical Risk Assessment Data Landscape

7.2.2 PARC FAIR data hub

7.2.3 Solutions for FAIR data: development and implementation

# 7.2 Data libraries

## 7.2.1 – Mapping the PARC Data Landscape

**Inventory of major databases, repositories and other relevant sources for chemical risk assessment**

Integration of HBM and environmental data: Systematic examination and identification of pertinent spatially-resolved databases at the European Union (EU) level (JSI)

➡ Link to P4.1.4.2: Further analysis of HBM4EU data

# 7.2 Data libraries

### 7.2.2 – PARC FAIR data hub

**The scope of the PARC Data hub is to make data generated in PARC available for reuse and to enable access to and reuse external data sources.**

**Outline:**

- **Data catalogue (centralization of metadata)**
- **Data repository (storage of data – VITO, RECETOX, JSI)**
- **Harmonisation platform**
- **Data visiting / federative data processing**
- **Integration with informative portal - PARCopedia**

**Requirements**: FAIR assessment process, metadata templates (standards, automatic validation), metadata publication (human readable, machine actionable)

JSI has worked on a national data repository and processing infrastructure for HBM and environmental data. It will further be extended to serve as one of the data hub services to link internal exposure (HBM) data and geospatial (environmental) data within PARC.

# 7.2 Data libraries

**7.2.3 – Solutions for FAIR data**

Two projects initiated:

***P7.2.2.a_Y1_chemicals-in-environment_MU_VITO***

***P7.2.2.b_Y1_HBMdatasets_VITO***

JSI has drafted a conceptual data model which will enable **linking internal exposure (HBM) data with spatially resolved (environmental) data**. VITO, JSI and ISSEP are working on privacy aware querying of geospatial data. Proposals are drafted for options and technical implementations.

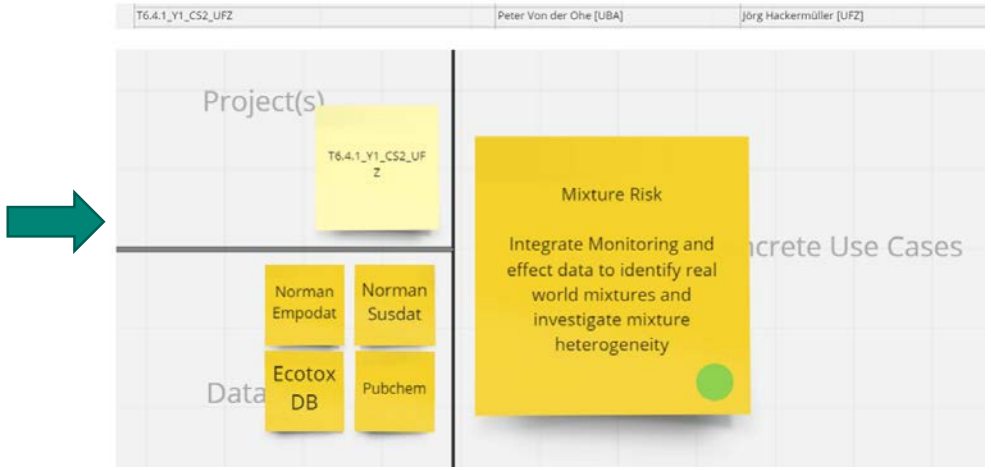
➡ Link to P4.1.4.2: Further analysis of HBM4EU data

# 7.2 Data libraries

**Data champion** = main contact point in the project (task-related)
**Data liaison** = contact point within WP7

## Use cases

| New Project ID (cfr ANSES SharePoint) | Data Champion | Data Liaison |
|---|---|---|
| T4.1.1d_Y1_OccupHealthcare_TTL_RUMC | Simo Porras | |
| T4.1.1d_Y1_OccupWaste_ENSP_TTL | Simo Porras | |
| T4.1.3_Y1_DerivationofHBM-GVs_UBA | Petra Apel (project lead) | ? Phillipp Schmidt [UBA] |
| T4.1.4_Y1_DataAnalysisHBM4EU_VITO | Eva Govarts [VITO] | ... [VITO], Janja S. Tratnik [JSI] |
| T4.1.3_Y1_RoadmapLinkingHBMHES_SpF | Sylvie Remy (VITO) + Margaux Riou (SPF) | |
| T4.1.5_Y1_SustainHBMSystem_VITO | Liese Gilles (VITO) | VITO |
| T4.2_Y1_ENVMonitoringPilotSurvey_INERIS | | Yasmina Loozen [ISSeP] |
| T4.3_Y1_T01_MU | | ... [UoB] |
| T4.3_Y1_T02_WR | | ... [UoB] |
| T4.3_Y1_T03_SLU | | ... [UoB] |
| T4.3_Y1_T04_INRAE | | ... [UoB] |
| T4.3_Y1_EO1_UBATH | | ... [UoB] |
| T5.2_Y1_Neurotox_ DTU | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T5.3_Y1_SystemsToxicology_Inserm | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T6.2.1_Y1_SourcetoDose_VITO | Arno Vanderbeke (VITO) | |
| T6.2.2_Y1_PBPK_INERIS_AUTH | Spyros Karakitsios | |
| T6.2.3_Y1_RealLifeMixtures_RIVM | Johannes Kruisselbrink, WUR <johannes.kruisselbrink@wur.nl> Eva Govarts, VITO <eva.govarts@vito.be | ... [VITO] |
| T6.2.4_Y1_HIAMethod_UU-IRAS | Jelle VLAANDEREN, UU-IRAS <J.J.Vlaanderen@uu.nl> | |
| T6.2.4_Y1_HIACaseStudies_UU-IRAS | Spyros KARAKITSIOS, AUTH <spyros.karakitsios@gmail.com> | |
| T6.2.4_Y1_HIAIndicators_UU-IRAS | Claire Demoury, Sciensano <Claire.Demoury@sciensano.be> | |
| T6.2.4_Y1_HIADataAvailability_VITO | | ... [UoB] |
| T6.3_Y1_CS11_ISS | I don't think we need a DMP here (Cecilia, ISS) cecilia.bossa@iss.it | |
| T6.4.1_Y1_CS1_BRUNEL_UGoT | Peter Von der Ohe [UBA] | |
| T6.4.1_Y1_CS2_UFZ | Peter Von der Ohe [UBA] | Jörg Hackermüller [UFZ] |
| T6.4.3_Y1_ARTICLE_RECETOX | | Richard Hůlek [MU] |
| T6.4.3_Y1_AnalyticalMethods_RECETOX | | Richard Hůlek [MU] |
| T6.4.3_Y1_ChemicalImpact_RECETOX | | Richard Hůlek [MU] |
| T6.4.4.1_Y1_CS1_KEMI | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T6.4.4.2_Y1_CS2_SLU | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T6.4.4.2_Y1_CS3_UFZ | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T6.4.4.3_Y1_CS4_UKOLD | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T6.4.4.4_Y1_CS5_ISCIII | TBD after NIVA discussion with project leads | TBD after NIVA discussion with project leads |
| T7.2_Y1_chemicals-in-environment_MU_VITO | Richard Hůlek / Kata rina Říháčková [MU] | Richard Hůlek / Katarina Říháčková [MU] |
| T8.1_Y1_SSbDToolbox_AUTH | | KI (Penny) |
| T8.2_Y1_EWS_AUTH | Nikiforos Alygizakis, Achilleas Karakoltzidis | |
| T8.3_Y1_IVIVEBisphenols_AUTH | | WR-BIOM (Hilko) |
| T9.1_Y1_Environ_MU_ISCIII | Lucie Bielská [MU] | Richard Hůlek [MU] |
| T9.2_Y1_HBM-cohorts_MU_ISCIII | Lucie Bielská [MU] | Richard Hůlek [MU] |
| T9.2_Y1_Towards harmonised QA/QC_WFSR | | ... [UoB] |




*Bottom-up approach*

# WP7 FAIR data

**GO FAIR Foundation (GFF)**

They'll provide training for PARC


1. FAIR Awareness
2. M4M workshop (=Metadata for machine)
3. FDP workshop (=Fair Data Point training)

GFF expert, FIT expert, Data Liaison, Data champion, Domain Expert