

Objectives of the meeting

Open the discussion for:

- Possibility to access to chemical data and metadata under EMODnet
- Possibility to publish in IPCheM data and metadata on chemical concentrations
- How can we start the collaboration plan next steps

Joint Research



Problem statement

The lack of information on the chemical exposure and burden on the humans and the environment is a major gap in knowledge base for the European chemical policies.

- It is not possible to assess the real impact of chemicals and their mixtures
- It is difficult to assess effectiveness of policies
- Ad-hoc collections are very time demanding and inefficient

Key Policy Question

support improved understanding of the chemical mixtures to which human populations and the natural environment are actually exposed

- EC Communication: The combination effects of chemicals Chemical mixtures COM/2012/0252 final)
- 7th Environment Action Programme. Priority objective 5: to improve the knowledge and evidence base for Union environment policy





Definition and Objectives

2012: JRC started the design and development of IPCheM "Information Platform for chemical monitoring", under the project coordination of DG ENV (founding the project)

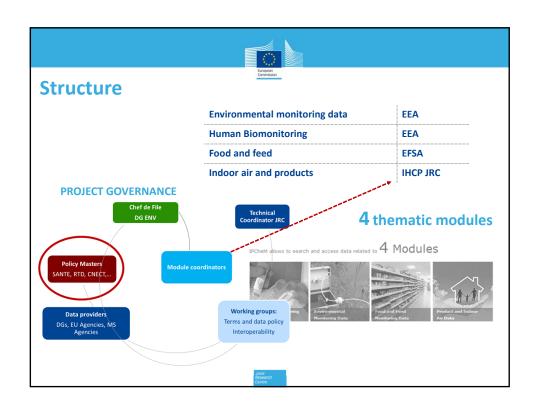
IPCheM is

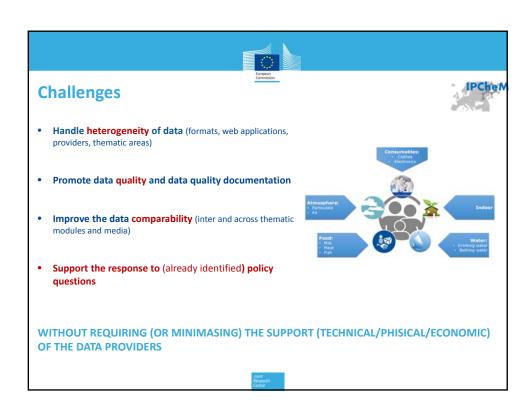
a single access point for discovering and retrieving chemical monitoring data in Europe

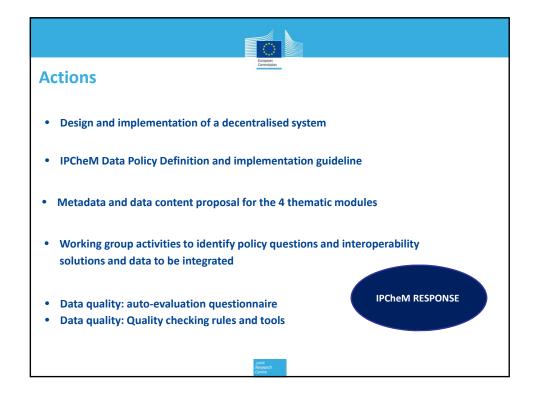
- implementing searching facilities to discovery, access and retrieve chemical monitoring data
- Offering hosting facilities for "orphan" data or data currently not easily accessible
- Proposing and working on chemical monitoring documentation (Metadata and data templates) of defined quality

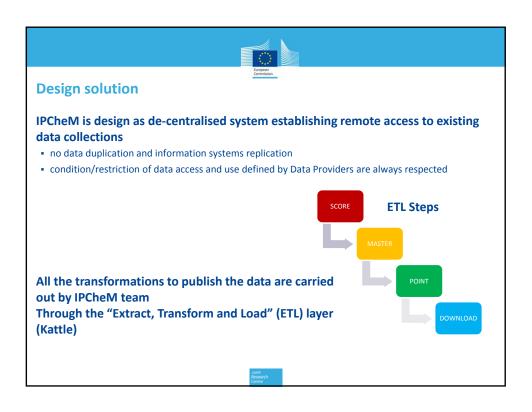
















Software components

IPCheM implementation relies on the following OS Software components

Front End

- Apache
- JQuery
- Backbone.js
- OpenLayers

Back End

- Apache Solr
- Apache Tomcat
- ECAS client (integration in Tomcat)
- Virtuoso Open-Source Triple Store

Data Hosting

PostgreSQL DBMS

∆ Loser authentication and access management service

Data Transformation

• DPentaho Kettle

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