



science and policy
for a healthy future

HBM4EU project

Basic introduction to reporting and
submission of data to IPCHEM

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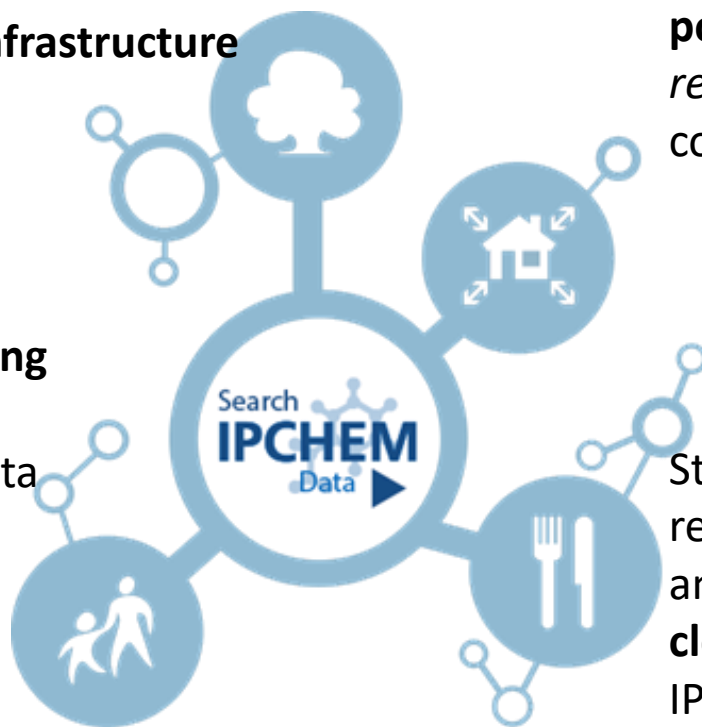
What is IPCHEM and who is managing it

The European Commission's reference platform for chemical monitoring data collected across various media (environment, food & feed, human matrices, consumer products and indoor air) by the European Commission bodies, Member States, international and national organisations and **research communities**.

Developed as
distributed infrastructure

It is the EC's reference access point for *searching, accessing and retrieving* data on chemical concentrations in various media

It offers hosting facilities for orphan data and research results.



Strategy, End-users' requirements, Data Policy and Governance **defined in close collaboration** with the IPCHEM partners



What is IPCHEM and who is managing it

Policy Coordinator: DG ENV

Policy Board: DGs ENV, SANTE, RTD, JRC

Scientific & Technical coordinator: DG JRC



'Human bio-monitoring'
data module



'Environmental'
data module



'Food & Feed'
data module



'Product & Indoor air'
data module



JRC/F.7

What is IPCHEM and who is managing it



- European Commission
DGs ENV, SANTE, RTD, JRC
- European Agencies:
EEA, EFSA, ECHA
- International organisations:
OECD, Health Canada, WHO
- EU Member States:
National monitoring
programmes/activities
- EU funded projects

The collaboration and agreement between IPCHEM and HBM4EU project

IPCHEM is the official platform for accessing and sharing existing and new human biomonitoring data to be collected during the HBM4EU project (2017-2022).

IPCHEM facilities for HBM4EU



The HBM4EU Data Repository

It aims to reach the highest level of GDPR compliancy, by:

- Relying on the EU Login (EC authentication service) and security protocols for data sharing
- Applying a strict policy in granting and revoking access to the data
- Logging of user identity during data access, download, and upload, including version control
- Restoring the availability and access to the data in a timely manner in the event of a physical or technical incident

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IPCHEM facilities for HBM4EU



The IPCHEM platform

It aims to find and possibly allow the access and re-use of your data by a wider number of IPCHEM users, by:

- Providing reach metadata of your data collections, including acknowledgment
- Making your metadata available by default to all IPCHEM users (also the general public)
- Making your data accessible and retrievable under the conditions decided by you and addressed or imposed by privacy, confidential, and legal obligations
- Ensuring data harmonisation and a preliminary comparison across occurrence data measured in different matrix/media (not only HBM)

Compliance with GDPR is always granted and promoted

Request/opportunity for the HBM4EU Partners

HBM4EU Partners can:

- Provide and share your metadata by default
- Use the repository to store your data
- Share your data with other HBM4EU partners or third parties requestors
- Make your data findable, accessible and comparable via IPCHEM portal

The conditions and rules for submitting the data to IPCHEM are:

- Respect of GDPR, confidential and contractual obligations, therefore
- Possibility to select specific, compliant level of data granularity
- Possibility to select specific user groups
- Embargo period



How to submit your data?

STEPS:

1. Decide the LEVEL OF DETAIL to make your data available via IPCHEM, options
 - Metadata only
 - Single measurement data (pseudonymised)
 - Single measurement data (anonymised)
 - Aggregated data
2. Decide the USER GROUP to make your data available via IPCHEM, options:
 - HBM4EU Partners
 - EU Commission and EU Agencies
 - National Body
 - General Public
3. Fill in DATA TRANSFER AGREEMENT (DTA) and the embedded IPCHEM PARTICIPATION FORM
4. Prepare the METADATA FICHE
5. Open an “EU LOGIN” ACCOUNT
6. Upload the METADATA FICHE into the HBM4EU Data Repository (the folder of your data)
7. Collect all the ETHICAL APPROVAL DOCUMENTATION to submit with the signed DTA



How to submit your data?

Once:

- a) DTA signed and approved
- b) Ethical approval information transmitted together with the Metadata to the Data Repository managers (VITO, UBA ad JRC)
- c) Metadata fiche uploaded in the HBM4EU data repository

You can upload your data into the HBM4EU Data Repository (each data has a specific folder)

And the IPCHEM team can:

- I. publish the metadata of your data collection in IPCHEM
- II. Access to your data and prepare the data to be displayed in IPCHEM
- III. Contact you to ask for the revision of the interfaces prepared for your data and metadata

During the integration phase the data are accessible and visible only to you

When you are satisfied with the web pages, the IPCHEM team will publish your data (visible to the user groups reported in the IPCHEM Participation Form)

1. You can contact IPCHEM team for improvement or clarification at any time before, during and after the data submission and integration process



How to submit your data?

You can contact IPCHEM team for any improvement or clarification at any time before, during and after the submission of your data and integration process

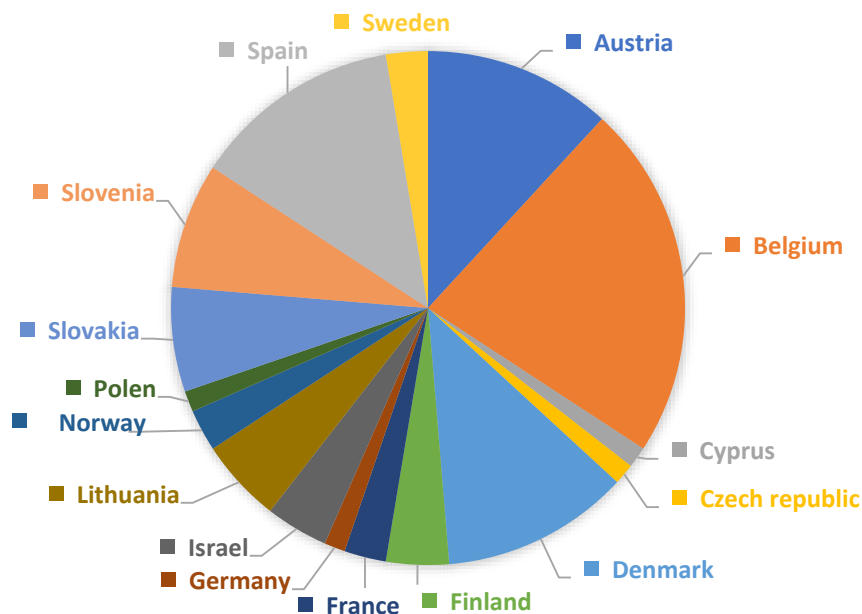
jrc-ipchem-support@ec.europa.eu



HBM4EU repository – existing data

Existing data collections - country coverage

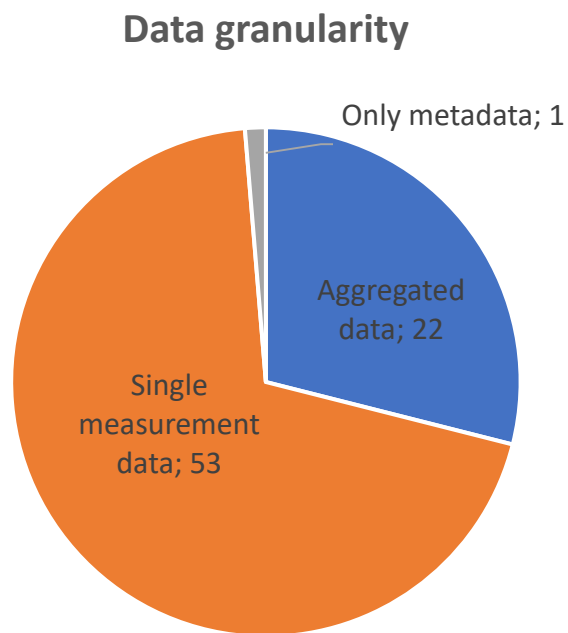
COUNTRY COVERAGE EXISTING DATA SETS



Country	# metadata
Austria	9
Belgium	17
Cyprus	1
Czech republic	1
Denmark	9
Finland	3
France	2
Germany	1
Israel	3
Lithuania	4
Norway	2
Poland	1
Slovakia	5
Slovenia	6
Spain	10
Sweden	2
Total	75

HBM4EU repository – existing data




Existing data collections - willingness to share data



Country	aggregated data	single measurement data
Austria	9	/
Belgium	3	14
Cyprus	/	1
Czech republic	/	1
Denmark	3	6
Finland	1	2
France	/	2
Germany	/	1
Israel	2	1
Lithuania	/	4
Norway	1	1
Poland	1	/
Slovakia	/	5
Slovenia	/	6
Spain	2	7
Sweden	/	2
Total	22	53

HBM4EU repository – existing data

Data transfer agreement received

Data transfer agreements		
DTA received		30
no DTA received		45
total data collections		75

IPCHEMA - metadata

Integration of metadata into IPCHEMA is initiated.

Before metadata can be published in IPCHEMA we require:

Ethical information:

- ✓ Date of approval
- ✓ Name of ethics committee issuing the approval
- ✓ Approval number

We ask data provider to revise the IPCHEMA-page (preview) and report changes before publishing

14 metadata pages are ready to be published

33 are almost ready to be published (waiting for ethics info or signed DTA)

23 No response from data providers yet...



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