

## Who is participating



IPChem is an initiative of the European Commission, coordinate by Directorate-General Environment (Chef de File) and Joint Research Centre (technical coordinator, IES and Module Coordinator for "Product and Indoor air, IHCP).

These are the institutions currently\* involved in the implementation of IPChem and data provision. The list is constantly updated.

### European Agencies



European Food Safety Authority (Module Coordinator "Food & Feed monitoring")



European Environmental Agency (Module Coordinator "Environment and Human biomonitoring")



European Chemical Agency (member)

### National Bodies



Federal Environmental Agency – UBA (Germany) (member)



Federal Public Service Health, Food Chain Safety and Environment – Belgium (member)

### Research and Academia



SOLUTIONS (contributor)



NORMAN Association (contributor)

Would you like to make your chemical monitoring data searchable and accessible via IPChem? You are more than welcome, it is free.

For information on how to contribute just contact us at:

Email  
[ipchem-support@jrc.ec.europa.eu](mailto:ipchem-support@jrc.ec.europa.eu)

Internet  
<http://ipchem.jrc.ec.europa.eu>



### Possibilities for financial support

The European Commission programme for funding environmental protection projects includes as one of its priority project topics "improving the use of chemical monitoring data in the protection of human health and the environment". All public and private organisations are eligible.

For details on calls for proposals see <http://ec.europa.eu/environment/life/>

The deadline for the submission of proposals for 2014 is 16 October.



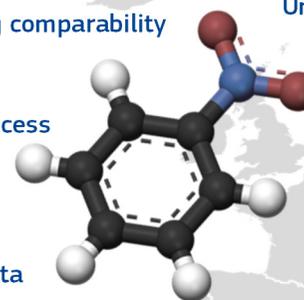
\* June 2014

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## Information Platform for Chemical Monitoring

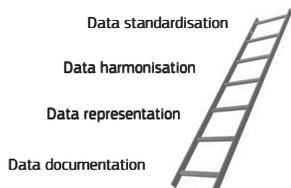
Improving comparability  
Understanding complexity  
Identifying threats  
Reusing interoperable components  
Enhancing access  
Sharing data  
Smarter regulation



*A unique access point to discover and access chemical monitoring data collections of Europe*

### About IPChem

IPChem - the **I**nformation **P**latform for **C**hemical **M**onitoring - is a single access point for locating and retrieving chemical monitoring data collections managed and available to 'European Commission, European Agencies, Member States, international and national organisations and researchers. The Platform aims to support a more coordinated approach to collecting, storing and accessing monitoring data on chemicals and chemical mixtures, in humans and in the environment. IPChem is a de-centralised system, providing remote access to existing information systems and data providers.



### Objectives

- ✓ Assist policy makers and scientists in discovering and accessing chemical monitoring data covering a broad range of matrices and media
- ✓ Host data currently not readily accessible including data on novel and emerging chemicals making them searchable and accessible through the platform
- ✓ Provide chemical monitoring information of defined quality and traceability

### Benefits

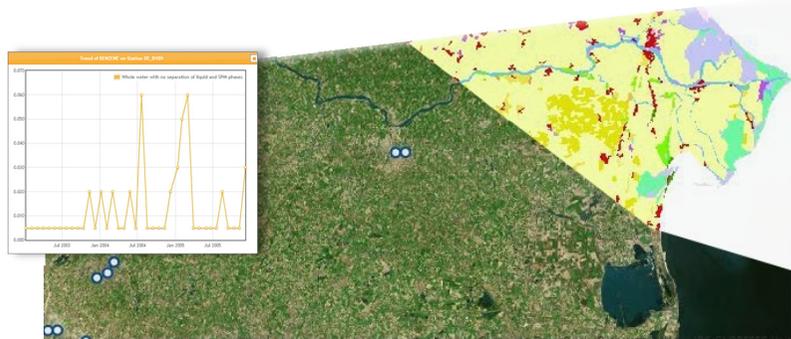
- ✓ Time saving and ease-of-use in searching and retrieving chemical monitoring data hosted in different databases via a single access point
- ✓ Facilitate the actual access to the data through simplifying the connection to related databases
- ✓ Support risk assessment research on simultaneous exposure to individual chemicals and to chemical mixtures from multiple sources by providing data and assistance to data interpretation to end users

*IPChem strives to improve comparability of the chemical monitoring data by promoting standardisation of associated data and metadata and improvement of quality assurance criteria*

### How does IPChem work?

IPChem establishes a direct and tailor-made link to data collections. Providers maintain databases' structure, while combining their knowledge and rendering it accessible for search and retrieval through a unique interface.

This creates larger visibility and promotes a wider use of valuable chemical monitoring data thus amplifying the knowledge base for a sound risk management and communication. Combining information from different sources on a variety of environmental media, consumer products, food, and ultimately from human beings themselves provides the basis for understanding combined exposure and the effects of chemical mixtures.



On the right:  
Corine Land Cover 2006.  
On the left:  
© TerraColor. Data provided by JRC GLOBESEC Unit

### IPChem Modules

IPChem is structured into four modules based on the group type of chemical monitoring data.

#### *Environmental Monitoring data*

IPChem's Environment Module is coordinated by the **E**uropean **E**nvironment **A**gency and provides access to data in key environmental matrices (water, air, soil biota, etc.).



#### *Human Bio-Monitoring*

Human bio-monitoring allows us to capture the footprint of combined chemical exposures in humans and its variation over space and time, thus helping us to understand the associated health risks. This module is under the responsibility of the **E**uropean **E**nvironment **A**gency.



#### *Food and Feed*

Protecting consumers from emerging risks associated with chemicals in food and feed is at the heart of monitoring activities and data submitted to the **E**uropean **F**ood **S**afety **A**uthority, which coordinates this module.



#### *Product and Indoor-Air data*

Part of risks associated to exposure inside the buildings we live and work is due to indoor and outdoor sources of air pollution including chemical emissions from construction and consumer products. The **J**oint **R**esearch **C**entre **I**nstitute for Health and Consumer Protection is responsible for this module.



*IPChem is more than just a portal...it is an e-Infrastructure of chemical monitoring data that aims to address policy questions related to the identification and evaluation of chemical risks in human and the environment.*

### What data are accessible?

IPChem Data providers are primarily those entities dealing with chemical monitoring data, who wish to make smart use of the opportunities arising from Data Sharing Policies as laid down in the INSPIRE Directive. The data include concentrations of chemicals (occurrence data) in various media measured for surveillance and compliance purposes and other types of investigations. The platform has different level of accessibility, respecting the conditions of data access and use defined by Data providers.