



# Harmonization and Networking for contaminant assessment in the Ionian and Adriatic Seas

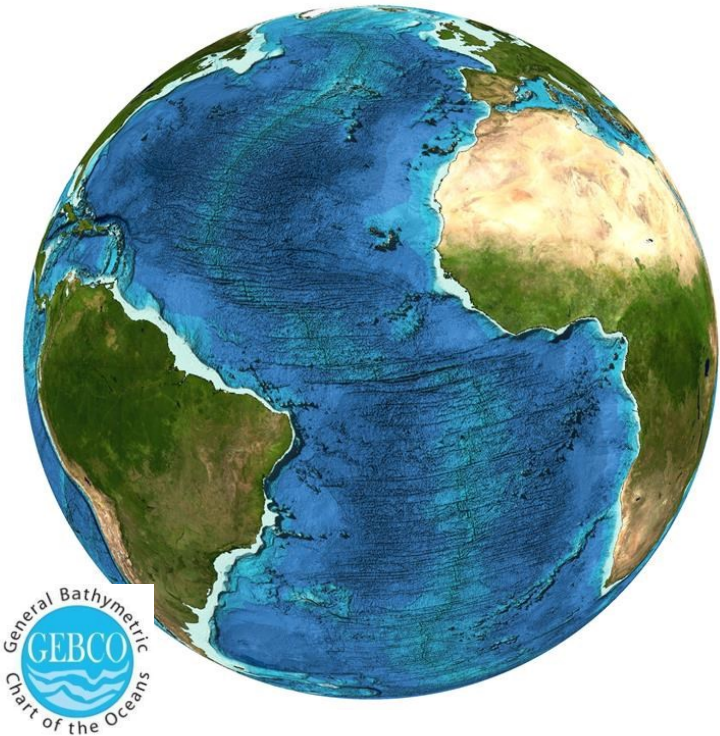
## Hands on data portal

Data heterogeneity, need of harmonisation:  
metadata, additional data



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*HarmonIA 3<sup>rd</sup> Stakeholder Workshop, October 24, 2019 - Patras, Greece*



Sampling the marine environment is both  
**difficult** and **expensive**

Some numbers about data acquisition:

- ✓ Data are collected by more than 1000 organisations in Europe (governments, research institutes, and private industry)
- ✓ The costs of marine data collection by European organisations is around 1.4 billion Euro per year:
  - ~ 1.0 billion for in-situ
  - ~ 0.4 billion for remote sensing

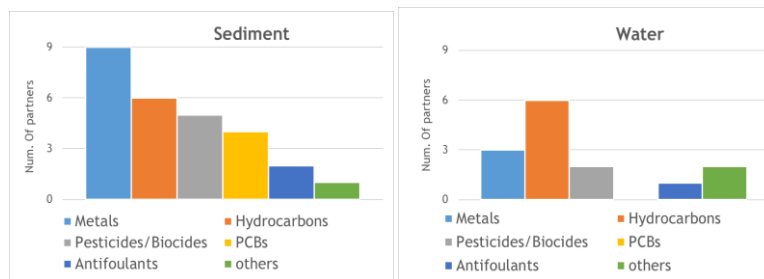
Monitoring contaminants is expensive and time consuming, therefore it is extremely necessary to take full advantage of the existing data. Data has to contain all the relevant information and be properly prepared to be useful

Collect once and use many times philosophy would  
save at least €1 billion per year

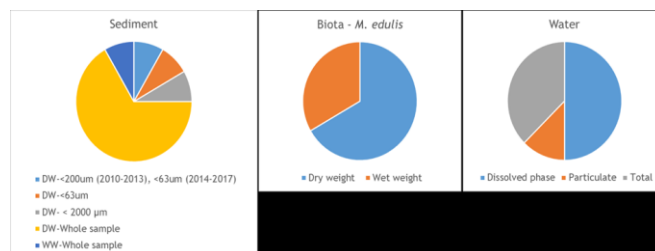
# Contaminants: the reasons of the complexity

- According to JRC (JRC, 2017) there are more than 2700 chemical substances considered as potential contaminants
- The analysis of data collated within HarmonIA project highlights heterogeneity in the variables associated to contaminants measurement/sampling between countries which means low comparability

Parameters measured:



Matrix heterogeneity:



Data management for contaminants is complex and challenging due to the big number of variables that have to be considered in the sampling, but also to the increasing number of substances that are considered as pollutants



## GAP:

Data availability for GES

## HarmonIA approach:

- ❑ Collect and make accessible datasets of contaminants for the Adriatic – Ionian region, using a common and already available infrastructure
- ❑ Dig into the available data collection in the Adrion Region to identify the main needs in harmonisation
- ❑ Strengthen the **network of data infrastructures** to facilitate access and re-use of marine data





HarmonIA has reached its first milestone ! One step closer to sharing harmonized data and information on marine contaminants in the Adriatic & Ionian Seas.

July 9th, 2019 | News

Collection of over of 1129 datasets on contaminants in the ADRION area with free (38%) or licenced (56 %) access for the 94 % of [...]

[Read More >](#)

## Data Findable and Accessible!

*HarmonIA 3<sup>rd</sup> Stakeholder Workshop October 24, 2019 - Patras, Greece*

## → HarmonIA data portal



## → Data Findable and Accessible!



# Thank you for your attention!

**HarmonIA Data access:**

<http://harmonia.maris2.nl/search>

**More information available on:**

<https://harmonia.adrioninterreg.eu/>

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