

6-7 November 2018, Vienna, Austria

# Work Package 4: Data management and Infrastructure

3rd ENI SEIS II South SC and 9th H2020 Review and Monitoring group meeting

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# Broad objectives of the Work Package 4

- Main aim of the is to setup a regional infrastructure for data reporting for the Implementation of data flows for H2020 indicators on wastewater, municipal waste and industrial emissions plus extension to new indicators (marine litter) as a continuity of the first ENPI SEIS phase
- Collaborating with INFO RAC who is in charge of developing the Barcelona Convention INFOMAP system
- Ensuring technological and knowledge transfer from the EEA reporting experience in the Mediterranean (REPORTNET – INFOMAP)
- Collecting reliable data that will serve for the second assessment Report [Horizon 2020 Mediterranean report – Toward shared environmental information systems](#)
- Enlarging the scope to the all Mediterranean sea including EIONET countries and the Balkans
- Building capacity at country level: reinforcing the existing national information systems & providing ad hoc innovative solutions
- Implementing SEIS principles in the region : collect once use as many

# Supporting the countries to use the Regional infrastructure for data reporting

- From the 1<sup>st</sup> Regional Workshop on Infrastructure in Rome, Italy 4-5 October 2018 the reporting system is now ready to host the data from the countries
- Definition of the spreadsheets based on the data dictionaries developed by the 3 thematic experts
- The spreadsheets as a possible data format for data reporting among others possibilities
- Analysis of the state of play of the UNEP MAP databases to avoid duplication of reporting
- On demand solutions can be identified with each single country ex: SDI solutions (a, b, c)
- QA/QC are put in place to ensure data consistency once the spreadsheets or other formats are submitted

# Contribution of the countries on spatial units definition

- Ensure up to date spatial layers with agreed nomenclature by the countries, complete time series (population for instance), spatial coverage (update of administrative units for instance Morocco or Algeria)
- Provide necessary geographical data to the countries for indicator calculation
- Use external sources of data in case of topological errors or data gaps but with the consensus of the countries
- Build a common and standardized background maps for data reporting

## Catchment areas

1. ArcGIS REST service \*

[https://pan.discomap.eea.europa.eu/arcgis/rest/services/SEIS/Mediterranean\\_Catchment\\_Areas/MapServer](https://pan.discomap.eea.europa.eu/arcgis/rest/services/SEIS/Mediterranean_Catchment_Areas/MapServer)

1. Web map\*\*

<http://eea.maps.arcgis.com/apps/webappviewer/index.html?id=ae1820e5683047e69789d636d7eabf09>

## Coastline

2. ArcGIS REST service \*\*

[https://pan.discomap.eea.europa.eu/arcgis/rest/services/SEIS/Mediterranean\\_Coastline/MapServer](https://pan.discomap.eea.europa.eu/arcgis/rest/services/SEIS/Mediterranean_Coastline/MapServer)

2. Web map

<http://eea.maps.arcgis.com/apps/webappviewer/index.html?id=34e9211c55034afcbcce025e0955bfe6>

**Administrative units (NUTS0-3), catchment areas, rivers network (GADM -external source), Coastal cities (Plan Bleu), Coastal region (ICZM protocol), NUTS3 (Plan Bleu), NBB regions (MEDPOL)**

3. Presented on desktop GIS during bilateral

**Please inform us about any required update for spatial layer which should be modified**

*\*ArcGIS REST services are accessible with open Source GIS software like QGIS using the plugin called **Add ArcGIS Map Server Layer***

*\*\***Web map** are easy to use for consultation on the fly (no need of GIS software)*

# Developing vocabularies for the regional data reporting system

- Finalisation of the Code lists developed for the three thematic data dictionaries
- Cataloguing the data: creating metadata representing information resources

As described in the description of the Annex I – description of the action one of the output of the Work package 4 is the “Catalogue with metadata of information sources in the partner countries established and linked with the partner countries and linked with InfoMAP”.

- Indication by country of the state of play for each indicator (availability of datasets, quality aspect, formats, geographical coverage, policy use, etc.) and data sources
- One stop shop for indicators on environmental topics in the region
- Integration with the European metadata catalogue for environmental indicators managed by the EEA
- Offer the possibility to the countries to continuous update the catalogue
- Identify activities for institutional capacity building in order to strengthen quality of data sets

# Data Managers nomination

- The use of the suite of tools for data reporting requires that any user (user name and password) and permissions are in place to submit national deliveries
- A template for users definition and a documentation about “roles and responsibilities” was distributed to the countries. The deadline to nominate Data Managers was **Monday October 22!**
- As today have nominated data managers: Jordan, Palestine, Israel, Bosnia-Herzegovin, Montenegro

Please inform the EEA [michael.assouline@eea.europa.eu](mailto:michael.assouline@eea.europa.eu) AND INFO RAC [info@info-rac.org](mailto:info@info-rac.org) about the nominated persons providing below information. Please inform us about any required update for accounts which should be modified, deactivated or have their reporting rights revoked so that the necessary arrangements can be made

**First Name\***

**Last Name\***

**Full name (native language)**

**E-mail\***

**Job Title**

**URL Postal Address**

**Telephone Number\***

**Mobile Telephone Number**

**Fax Number Organisation\***

**Department Reason to create\* : reporting on Indicator **XX** of the H2020**

# Next steps

- Nomination of Data Managers (**Morocco, Algeria, Tunisia\*, Libya\*, Egypt\*, Lebanon**)
- Share of spatial layers and eventually distribution of templates shapefiles through specific data call:
  - Administrative units (NUTS3)
  - Catchment areas (filling names)
  - Mediterranean coastal areas (from 2003 to be updated)
  - Population living in coastal areas (time series are needed)
  - Cities (need to be verified as definition can vary from country to country) with updated figures
- Indicators data call **2<sup>nd</sup> week of November 2018**
- Planning of country visits based on country needs for increasing country capacities for data reporting
- Organigram of key player for information systems and data management at country level based on infrastructure survey in the Region and with the support of the key partners of the project
- QA/QC implementation
- Dashboard development for data visualisation (ArcGIS Online – Tableau) - Ongoing development on the ENI SEIS II Project Website for increasing visibility (Country pages developed for presenting key figures)
- Mediterranean region in WISE MARINE and Convergence with the ECAP and Marine Strategy Framework Directive (MSFD)

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# Work Package 4: Data management and Infrastructure Questions?

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