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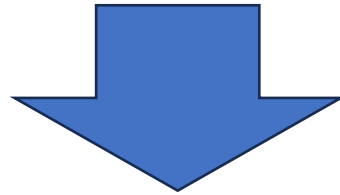
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# UNEP-MAP Data Policy Annexes

What does the adopted data policy  
means to us?

# Data Policy per Fluxes

- Once we've seen what the Data Policy is like
- Once we've seen the implications for the Contracting Parties of the Barcelona Convention



Continue detailing Data Policy application actions by defining aspects that differentiate mandatory and non-mandatory data fluxes in the UNEP-MAP system

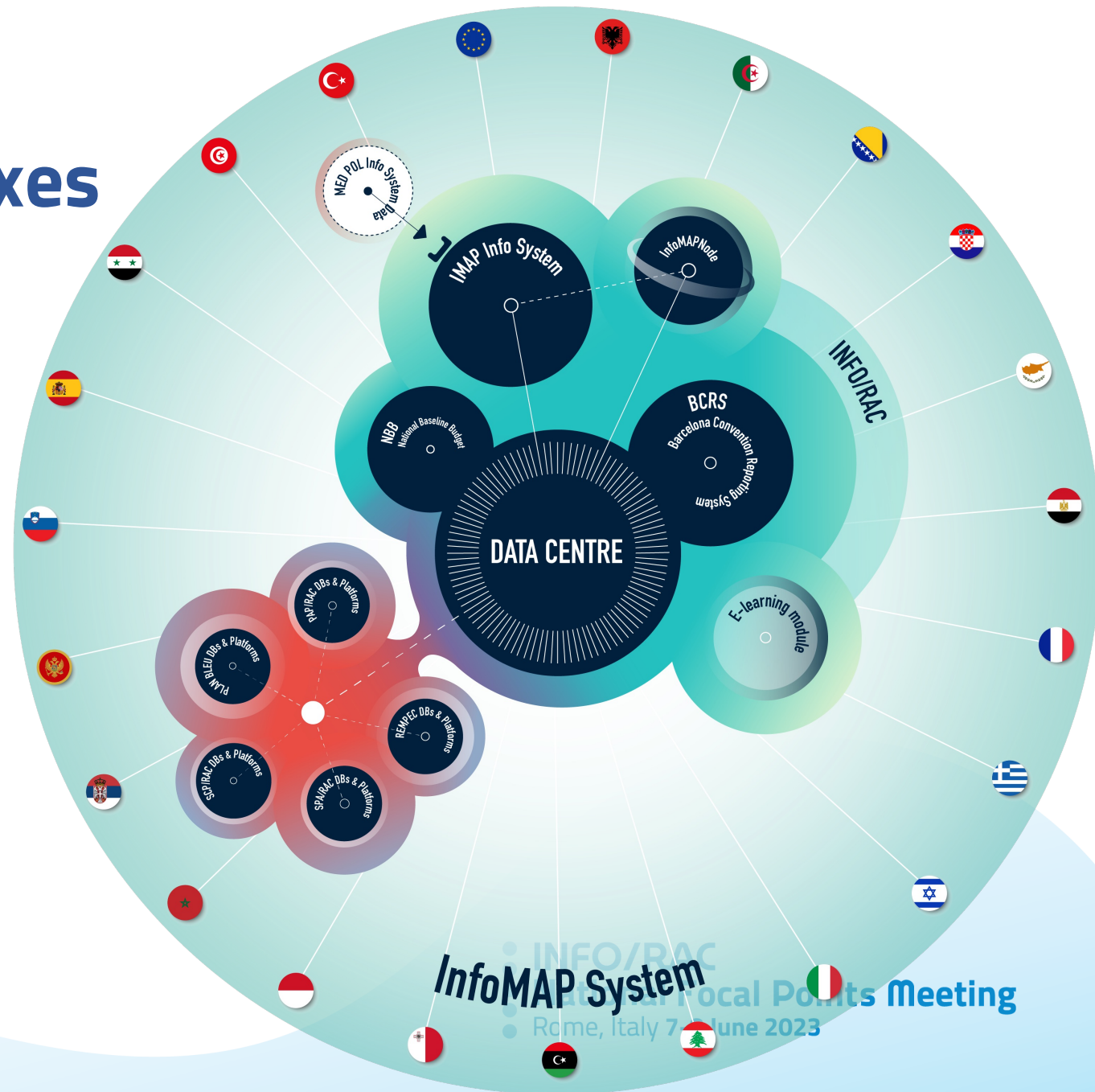
# Data Policy per Fluxes

Mandatory:

- BCRS
- NBB
- IMAP

Non-mandatory:

- InfoMAPNode



# A common structure among the Annexes

Framed into the FAIR data management principles, we let us inspire from TU Delft (NL) Data Management Plan online app to answer the «right» questions about the specific data workflow



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Public DMPs

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Help

## Welcome

This instance of DMPonline is provided by the TU Delft to help you write data management plans. To access funders' guidance along with the tailored guidance from the TU Delft, you have to first create an account and then log in with your TU Delft credentials.

If you have trouble creating an account or logging in, please contact [library@tudelft.nl](mailto:library@tudelft.nl)

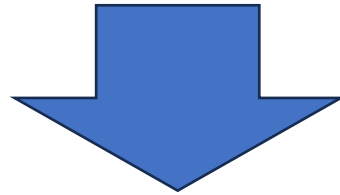
More detailed information about using the tool can be found in the DMPonline user guide on [this page](#).



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# A common structure among the Annexes

Framed into the FAIR data management principles, we let us inspire from TU Delft (NL) Data Management Plan online app to answer the «right» questions about the specific data workflow



Aims:

- Better characterize fluxes
- Define data sources
- Specify formats, sharing practices, metadata scheme and data usage (licenses and eventual embargo) in line with Data Policy

# A common structure among the Annexes

## Summary of data management aspects:

Brief description of the structure

Data types

DM common practices among different access levels

Data collection

Data source characterization

Data formats and quality

Licenses

Data embargo periods

Production of metadata and other relevant documentation

Data sharing practices and restrictions

Other products characterization

Data Metric policy:

Workflows for different access levels

Interactions according to granularity and access

BCRS	NBB	IMAP	INODE
y	y	y	y
y	y	y	y
y	y	y	n
y	y	y	y
y	y	y	n
y	y	y	y
y	y	y	n
y	y	y	y
y	y	y	n
y	y	y	y
n	n	y	y
n	n	n	y
y	y	y	y
y	y	y	y
y	y	y	y

# A common structure among the Annexes

	BCRS	NBB	IMAP	INODE
<u>Summary of data management aspects:</u>	y	y	y	y
Brief description of the structure	y	y	y	y
Data types	y	y	y	n
DM common practices among different access levels	y	y	y	y
Data collection	y	y	y	n
Data source characterization	y	y	y	y
Data formats and quality	y	y	y	n
Licenses	y	y	y	y
Data embargo periods	y	y	y	n
Production of metadata and other relevant documentation	y	y	y	y
Data sharing practices and restrictions	n	n	y	y
Other products characterization	n	n	n	y
<u>Data Metric policy:</u>	y	y	y	y
Workflows for different access levels	y	y	y	y
Interactions according to granularity and access	y	y	y	y



# Flow peculiarity: BCRS

## Data types:

BCRS data types are basically two: the XML file as output of the reporting data in the webform and the HTML format for visualizing the data entered in the webform.

BCRS data are then accompanied by corresponding and valuable metadata.

## Data collection:

BCRS support reporting for the data flows related to the Barcelona Convention. It meets the obligations established by each protocol approved by COP.

## Data management common practices among different access levels:

Every 2 years the Contracting Parties must submit a new report based on the signature and ratification of the Barcelona Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean and its Protocols.

The BCRS, developed by INFO/RAC, ensures availability of latest data and maintenance of long-term series, starting from the 2016-2017 reporting cycle. The scientific validity of the data is ensured by each CP.



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# Flow peculiarity: BCRS

## Data sources (protocols from CPs):

Barcelona Convention  
Prevention & Emergency protocol  
LBS Protocol  
Offshore protocol  
Dumping protocol  
Hazardous wastes protocol  
SPA & BD protocol  
ICZM protocol

## Data quality:

The National Focal Point of each CP guarantees the quality of transmitted data through the official release procedure.

## Data formats and data quality:

BCRS ensures the standardization of the data collected by the CPs through the use of a webform. The webform is consistent with the approved guidelines.

Data entered in BCRS can be downloaded at any time during the reporting activities as a zipped envelope containing 5 files:

- README.txt: contains the documents included in the envelope;
- metadata.txt: descriptive information about the envelope;
- history.txt: log of activities executed since the envelope creation until the moment of the download;
- xml file: data entered in the protocol webform;
- feedbacks.html: now empty, because quality controls have not yet been implemented, but could be implemented in the future.

# Flow peculiarity: BCRS

## Data licences and data access

According to the Data policy, data "released to public" by the protocol NFP is released as Open Data with the Creative Commons Attribution (CC-BY)

		Data Production	Data Consultation	
		Upload data	Download data not yet "released to public"	Download data "released to public"
CP users	Protocol NFP	Red	Yellow	Green
	Protocol user	Yellow	Yellow	Green
MAP Component users	CU	Red	Red	Green
	INFO/RAC	Red	Green	Green
	RAC	Red	Red	Green
MAP Partners		Red	Red	Green
Anonymous users		Red	Red	Green

### LEGENDA

available
only for CP to which protocol user/NFP belong to
only for CP to which protocol user belong to
not available

# Flow peculiarity: NBB

NBB data types are basically three:

- **XML** file as output of the reporting data in the webform
- **HTML** format for visualizing the data entered in the webform
- Geographical part of the dataset (not yet implemented). The geographical part is represented by the **shapefiles** of the Mediterranean Regions in which the loads of pollutants are discharged.

NBB data are then accompanied by corresponding and valuable metadata.

# Flow peculiarity: NBB

The NBB is composed of different components for the data flows. Each user, according to its role, has a set of corresponding permissions within the NBB system.

## Contracting Party users (two levels):

- MEDPOL NFP (or other NBB user designated by the MEDPOL NFP): users compiling the NBB webform, the metadata field and validating the data entered in NBB.
- MAP Focal Point (or other NBB user designated by the MAP Focal Point): national entities responsible for the public release of the data.

# Flow peculiarity: NBB

## MAP Component users (different roles):

- Coordination Unit (CU): supervisor of the overall of the NBB system.
- INFO/RAC: administrator of the overall of the NBB system. INFO/RAC protect data and system security. INFO/RAC do not manage the dataset, unless it is required by the owner.
- MED POL: involved in NBB in data aggregation in order to prepare specific evaluation layer or environmental products and quality assurance. They haven't the role to manage data if it isn't required.

Anonymous users: Users that have the possibility to search and view public data.

# Flow peculiarity: IMAP Info System

1. IMAP Info System ensures the standardization of the data collected by the CPs through the Information Standards.



2. The Information Standards are consistent with the Guidelines of the Common Indicators and are approved by the CPs before being implemented in the IMAP Info System

3. For **Common Indicators 15 (Hydrography) and 16 (Coastline)**, the file to upload in the IMAP Info System is a zip file containing a shape file with polylines (or polygons) according to the requirements reported in the specific Information Standard (C1 and H1 respectively), that is in Word format.



4. For all the other Common Indicators, the Information Standard is in Excel format and consists of two types of sheets: Data Dictionaries - DDs and Data standards - DSs. The DD sheet explain how to complete the DS sheet with measurement data.

# Flow peculiarity: IMAP Info System

## *IMAP Info System Components*

The IMAP Info System is composed of different components for the data flows. Each user, according to its role, has a set of corresponding permissions within the IMAP Info System.

### Contracting Party users (three different levels):

1. MAP Focal Point user
2. INFO/RAC National Focal Point user
3. IMAP user

### MAP Component users (different roles):

1. Coordination Unit (CU): supervisor of the overall of the IMAP Info System.
2. INFO/RAC: administrator of the overall of the IMAP Info System. INFO/RAC protect data and system security. INFO/RAC do not manage the dataset, unless it is required by the owner.
3. MAP COMPONENTS: They can view a great part of data but doesn't have the role to manage the data if it isn't required.

Anonymous users: Users that have the possibility to search and view public data.



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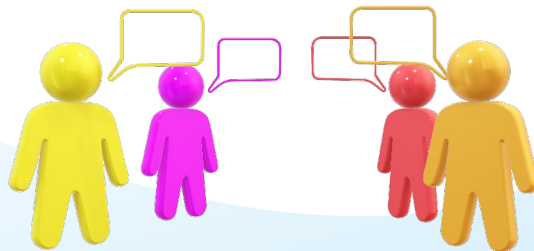
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# Flow peculiarity: IMAP Info System

*Contracting Party users*

- **IMAP User Network** is the network of IMAP Users responsible to upload, validate and release monitoring data related to IMAP Common Indicators.
- **IMAP users** consists of Country expert, officially appointed by the **MAP Focal Point** and coordinated by the INFO/RAC NFPs.
- **INFO/RAC NFP:**
  1. Acts as facilitators among INFO/RAC and IMAP users, allowing the sharing and exchange of knowledge and information for data reporting purposes on IMAP Info System.
  2. Collaborates with INFO/RAC providing suggestion and observations to improve Information Standards.
  3. Encourage all national IMAP Users to participate in the Training/Assistance meeting organized by INFO/RAC.



# Flow peculiarity: IMAP Info System

*IMAP User Network*

3-level for IMAP User profiles have been defined, which allow CPs to differentiate the level of responsibility according to the internal national organization on data management.



Level I - Upload: users uploading the monitoring data file and performing the compliance quality check - scientific institutions responsible for data production and elaboration (i.e. monitoring and research institutes).



Level II - Validation: users performing the process of quality control of monitoring data - national institutions responsible for data collection and validation (i.e. Environmental National Agency).



Level III - Official release: users have the duty to confirm the official release - national entities responsible for the official release of the data (i.e. National Focal Point).

# Flow peculiarity: InfoMAPNode

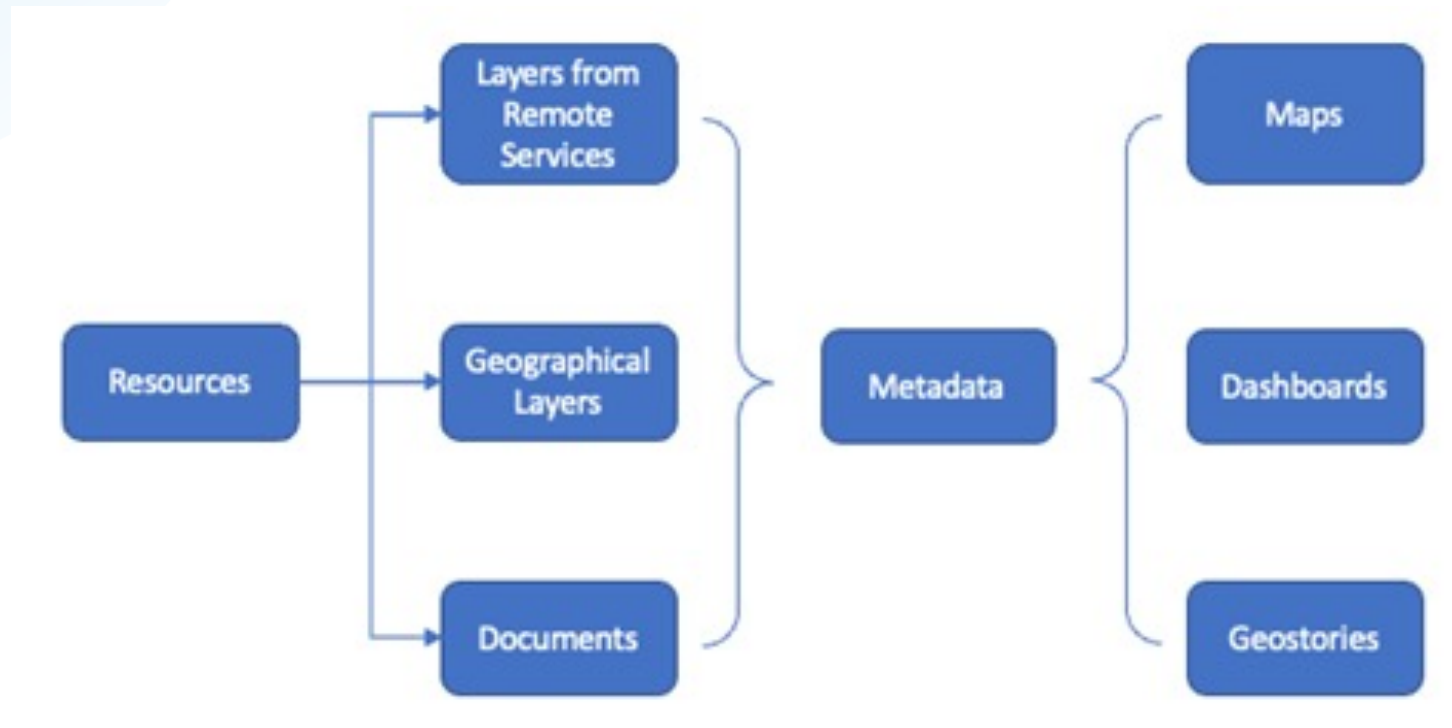
## User access

- **Contracting Party users:** InfoMAPNode is set up to provide free and accessible spatial data infrastructure for CPs, that can use it for National purpose, allowing to create map using spatial information from different sources and supporting decision makers and public authorities.
- **MAP Component users:** Users which are staff of MAP Secretariat and Component; The subdivision is the following:
  - CU, other RACs and MAP Components
  - INFO/RAC as the administrator of InfoMAP Node.
- **Stakeholders:** stakeholders are a group of or single users that need (for different reasons) to access MAP data. I

Inside a group of users referring to the same CP there could be different access levels after the competence of the user.

# Flow peculiarity: InfoMAPNode

## Workflows and products in InfoMAPNode



# Flow peculiarity: InfoMAPNode

## Metadata compilation

Metadata compilation could be pursued in InfoMAPNode both via a form to be filled in and a guided procedure evidencing required and optional parameters required for an adequate level of metadatation (compliant with ISO 19155 standard) are:

- Dataset title
- Abstract (dataset description)
- Category
- Eventual group
- Free-text keywords
- Language
- License
- Attribution
- Regions
- Data quality statement
- Restrictions
- Other constraints



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# Flow peculiarity: InfoMAPNode

## Data sharing practices and restriction

Five levels of action are foreseen for different users:

- None: the dataset is not visible to the specific user.
- View: the user can view the dataset.
- Download: the user can view and download the dataset.
- Edit: the user can view, download and edit an existing dataset.
- Manage: the user can view, download, edit and manage (upload and delete) a dataset.

# Thanks for the attention!



Questions

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