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IMAP Info System

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IMAP Info System

- Introduction to IMAP Info System
- IMAP Common Indicators (CIs)
- Data reporting status
- Quality controls
- New functionalities
- Next Steps

IMAP Info System

Introduction to IMAP Info System

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What is IMAP Info System

- **IMAP Info System**, developed by INFO/RAC, **aims to collect**, **manage** and **share data** from monitoring programs under the Integrated Monitoring and Assessment Programme of the Mediterranean Sea and Coast and Related Assessment Criteria (IMAP) in the framework of Barcelona Convention.
- The System allows Contracting Parties to report on data related to the **Common Indicators (CIs).**
- IMAP Info System website **is accessible to the general public**. Login for Contracting Parties (CPs) and MAP users is needed to access the reserved sections.
- IMAP Info System is ready, operational and able to collect data **from 1st July 2019**.
- In this biennium, **system updates** have been made to improve the System and make it fully operational, some of which are still in progress.

IMAP Info System

IMAP Common Indicators (CIs)

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IMAP Common Indicators (CIs)

- IMAP Info System allows contracting parties to communicate data for the **18 IMAP Common Indicators.**
- **29 Information Standards** have been developed and implemented in the IMAP Info System, including Candidate Indicator 24 (*Trends in the amount of litter ingested by or entangling marine organisms focusing on selected mammals, marine birds, and marine turtles*).
- A new standard on **Common Indicator 19** (*Occurrence, origin, extent of acute pollution events and their impact on biota affected by this pollution*) will be implemented as soon as officially approved by **Contracting Parties** (CPs) in the next MED POL Cormon Meeting (27-28 June 2023).
- With the CI19, IMAP Info System will be **fully operational** as required by the Integrated Monitoring and Evaluation Program (IMAP), adopted by COP 19.
- Data related to the **Ecological objective EO3** (*Harvest of commercially exploited fish and shellfish)* is held and managed by GFCM (General Fisheries Commission for the Mediterranean).

IMAP Common Indicators (CIs)

What's new?

- **17 new Information Standards** related to **6 Common Indicators**!

Common Indicators	N° of Information Standards
CI 3: Species distributional range (EO1)	14 new Information Standards on marine mammals (one specific on the monk seal), marine turtles, marine birds
CI 4: Population abundance of selected species (EO1)	
CI 5: Population demographic characteristics (EO1)	
CI 18: Level of pollution effects of key contaminants where a cause and effect relationship has been established (EO9)	1 on level of pollution effects (PMO1)
CI 20: Actual levels of contaminants that have been detected and number of contaminants which have exceeded maximum regulatory levels in commonly consumed seafood (EO9)	1 on levels of contaminants in seafood (PSF1)
CI 24: Trends in the amount of litter ingested by or entangling marine organisms focusing on selected mammals, marine birds, and marine turtles (E10)	1 on ingestion and entanglement on marine turtles (MLT1)

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Data reporting status

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Data reporting status

- Data reported on **14/29 Information Standards**
- **294 files** uploaded in the IMAP Info System after IMAP call (2020)
- **82 files** migrated and converted from MED POL system to IMAP Info System

Per Cluster (after IMAP call):

- **Biodiversity**
  Data reported on **5/18 Information Standards** (14/18 are new standards); **27 files** uploaded
- **Pollution**
  Data reported on **7/9 Information Standards** (3/9 are new standards); **246 files** uploaded
- **Coastal & Hydrography**
  Data reported on **2/2 Information Standards**; **21 files** uploaded

IMAP Info System

Quality controls

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Quality controls

What's new?

- Introduction of **drop-down menu** for fields containing lists of values
- Introduction of "**Conditional**" field (blue in the factsheets) – field that must be filled in only if a specific field as been previously compiled
- **Automatic filling of some fields** according to what has been filled in other specific fields (i.e. unit of measurements related to specific contaminants)
- Introduction of **range of values** for numerical fields (where applicable)
- **Update** of some **lists of values**

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New functionalities

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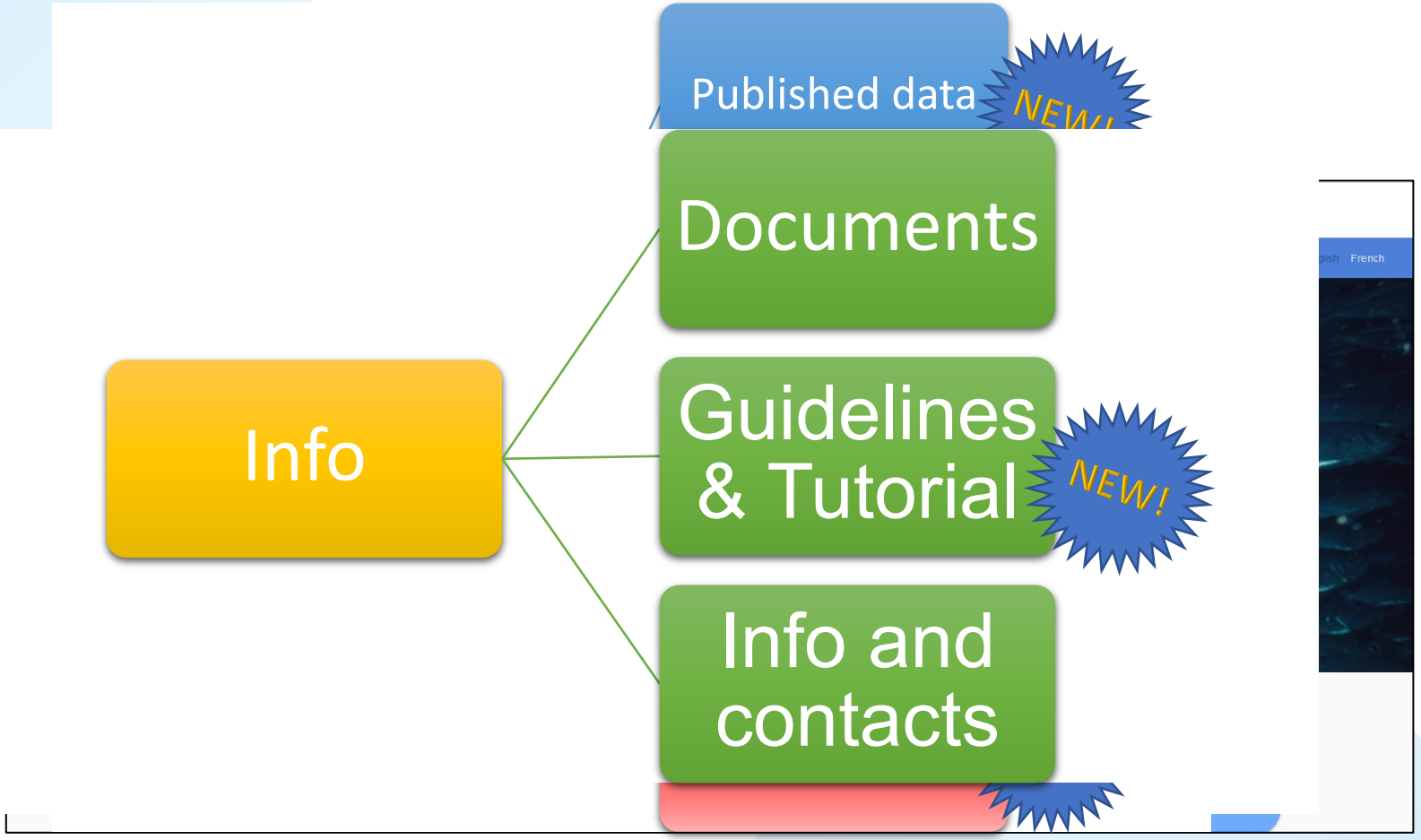
New functionalities

What's new?

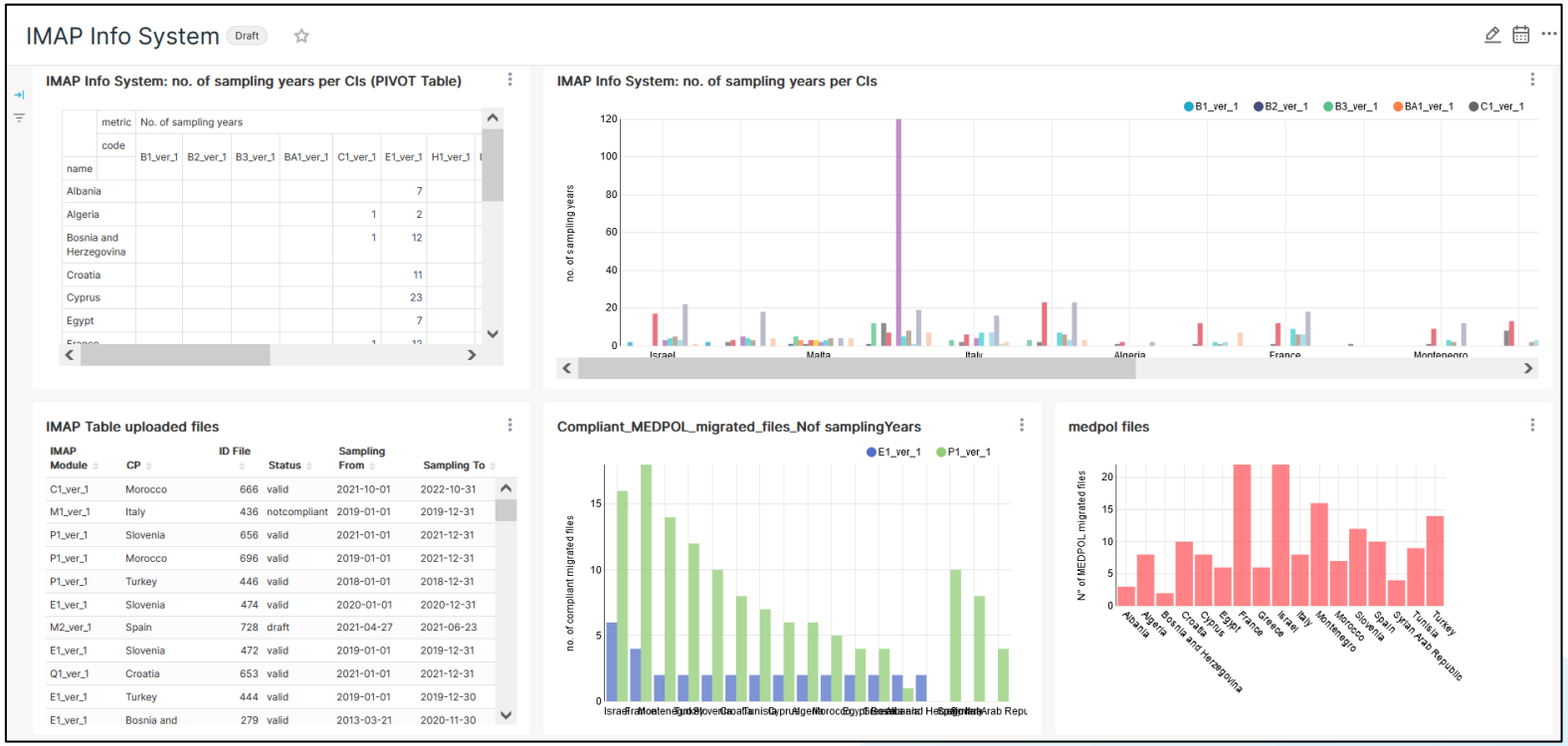
- No more "PILOT": a **new address** for the IMAP Info System!
- **Easier navigation** with three mega menu

  1) Reporting
  2) Explore
  3) Info



New functionalities: Dashboard

- The **"Dashbord"** section will soon be implemented in the IMAP Info System.
- The **Dashboard** is a tool that allows the user to have summarized, in a synthetic way and through graphical representation, different information coming from different data sources.
- **Graphs, tables and maps** are **interactive and automatically updated** according to the data stored in the IMAP Info System DB.



New functionalities: Utility tools (only for RACs)

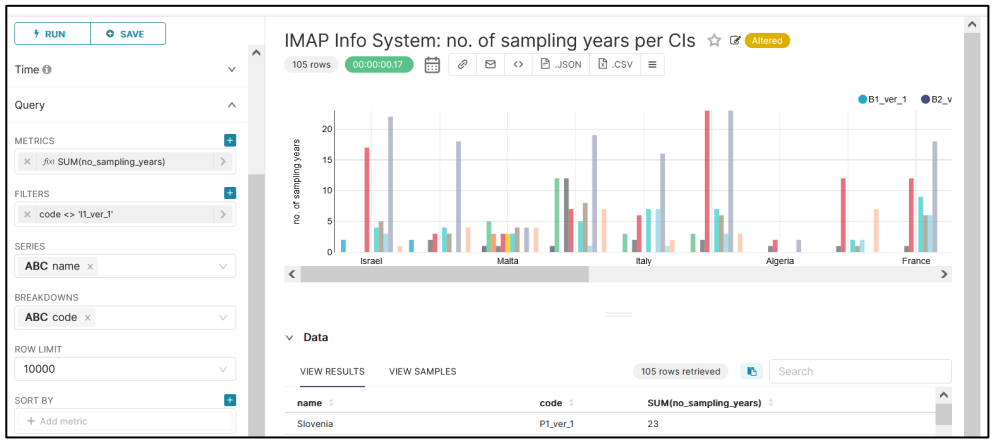
Superset

- **Superset** is a modern data exploration and visualization platform. It allows users of all skill to easily explore and visualize data, from simple line graphs to geospatial graphs.

Jupiter Lab

- **Jupyter Lab** is a workspace that allows for data exploration and visualization.
- In Jupyter Lab commands are given via cells. In each cell it is possible to write one or more instructions in sequence.

SUPERSET



JUPITER LAB

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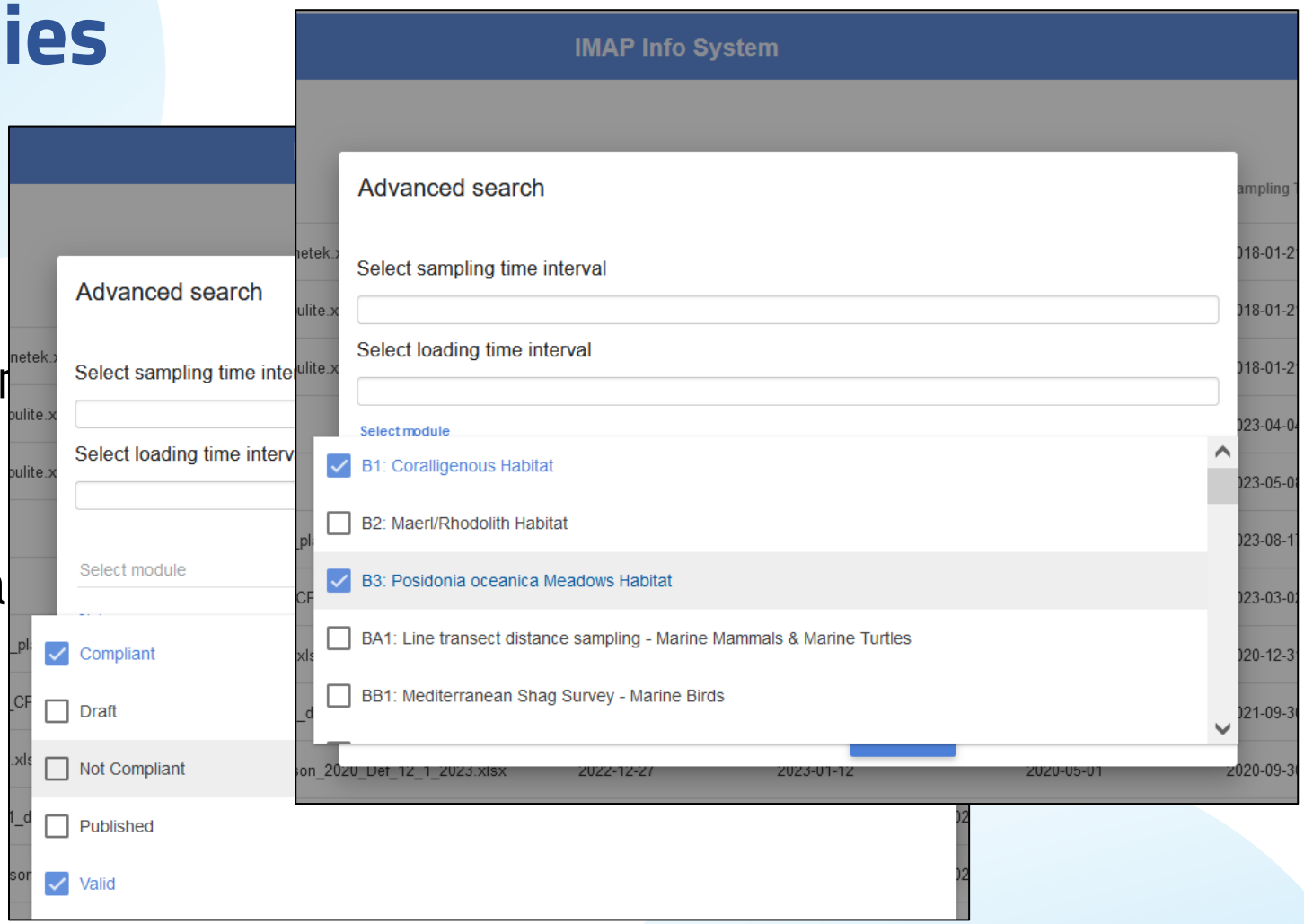
New functionalities

- Update of the advanced research
- The system allows to export, in ar only those selected
- The system allows to download a all the files listed



IMAP Info System

Next Steps

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Next Steps

Continue **implementing and improving IMAP Info System**:

1. Implementing the new standard on **Common Indicator 19** (Occurrence, origin, extent of acute pollution events and their impact on biota affected by this pollution)
2. Creating a connection/link to the data held and managed by GFCM (General Fisheries Commission for the Mediterranean) on **Ecological objective EO3**
3. Developing the **dashboard** of the IMAP Info System
4. **Improving the tools** supporting RACs for the next QSR assessments
5. Developing **video-tutorial** supporting IMAP Users in reporting data in the IMAP Info System

Organize **Training/Assistance** meeting with all national IMAP Users

Ensure ongoing support for IMAP users through the **IMAP helpdesk**

IMAP Info System:
Information and communication services

You can always contact us at:

imap@info-rac.org

IMAP Info System
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THANKS for your attention

Francesca Catini
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