

EF+ CRUISE DATA MANAGEMENT PLANS

Why and how

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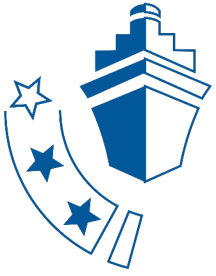
2019-08-01

Zoom EF+ DMP Webinar



GOALS OF THIS WEBINAR

- Illustrate the need for a Data Management Plan (DMP)
 - Show you when and how to do it using DMP Roadmap
 - Hands-on session on DMP Roadmap (create account)
 - EF+ Data Management in general
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- Audience: anyone applying for an Access Programme (SEA, co-PI, RTA)



H2020 – FAIR AND OPEN

- Projects funded by H2020 should adhere to FAIR
- Research data should be **Findable, Accessible, Interoperable and Reusable**
- Data and metadata together; human and machine
- Additionally, there should be **open access** to generated data
- Opting out of open data or an embargo are possible
- EF+ follows H2020 DMP template



FORCE 11 FAIR DATA PRINCIPLES

Findable:

- Anyone (computer and machine) can find your dataset (not necessarily your data): described on an indexed **landing page with rich searchable metadata** to get it;
- The dataset has a persistent unique identifier so it's easy to find it again.

Accessible:

- The dataset is retrievable by the identifier, by simple protocols;
- Has a defined target audience and an **appropriate license**.

Interoperable:

- Categorical information in the (meta)data is **externally defined** (can be looked up in an index).

Re-usable:

- The license text is clear and accessible
- **Data provenance** and lineage are reported
- Numeric information is standardized (physical quantities and units).



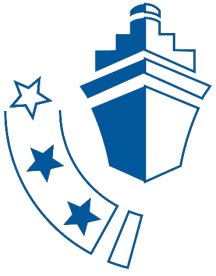
OPEN DATA – OPEN ACCESS

- Open data
 - Digital open access (web) to the data, free of charge, for each the same
 - End user may use data without restrictions – save some
 - Data is re-distributable and re-usable by anyone – forever in the same way or as they choose
- Usage constraints: data unfit for purpose x,y – no liability
- Research data etiquette
 - Attribute data
 - Inform or collaborate with original author
 - Report errors



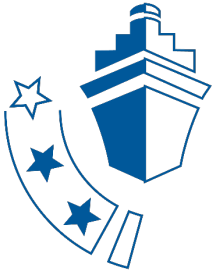
DATA MANAGEMENT PLANS

- ASAP Document data handling chain during and after the project
- You have your own procedures → document them
- Before and as soon as a new issue arises
- DMPs
 - Lead to informed decisions on your procedures
 - Save time and problems later on
 - Are a (small) step towards FAIRness and not a punitive tool
 - Get your projects funded



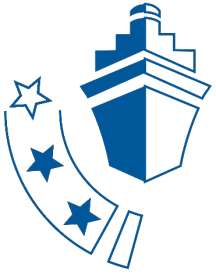
EUROFLEETS+ DMPS

- General DMP
 - Enables FAIR, so you can focus on the data
 - General dataflow per data type and project when approved
 - Default license
 - Actors:
 - You, R/V Operator
 - Reference Data Centres = BMDC, HCMR, OGS → your project will be assigned to one of them
- Cruise DMP (=Access Programme proposal DMP)
 - Details your *own* data management



EF+ CRUISE DMP

- Preliminary DMP
 - Provided as pdf attachment at proposal submission time (first 27/09/19)
 - 14 mandatory questions, address issues, leave out details
 - Assessed on completeness
- Full DMP (post-award)
 - To be completed after approval
 - 26 mandatory questions, more detail (copy-paste+extend)
 - Then review & feedback by one of three Reference Data Centres
 - Living, evolving document (esp. after the cruise)



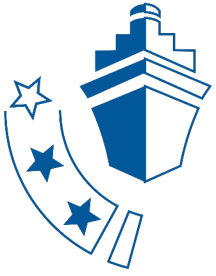
ACCESS PROGRAMMES DMP

- Cruise ship-time access of SEA programme:
 - Preliminary DMP + Full DMP mandatory
- Marine Equipment Application of SEA programme:
 - Preliminary DMP + Full DMP mandatory
- Co-PI programme:
 - Preliminary DMP + Full DMP mandatory
- Remote Transnational Access (RTA) programme
 - Preliminary DMP optional unless embargo or data opt-out



DATA FROM AN EF+ CRUISE

- Should use **Open** Creative Commons licenses
 - Default = Public domain (CC0)
 - Free reuse, attribution (CC-BY)
 - Free reuse, attribution, non-commercial (CC-BY-NC)
- Embargo of up to 2 years possible (publish)
→ **Submit data** to Reference Data Centres (even with embargo)
- Closed data opt-out still possible: only for commercial/patentable or ethically or security-wise sensitive data. DMP must justify.



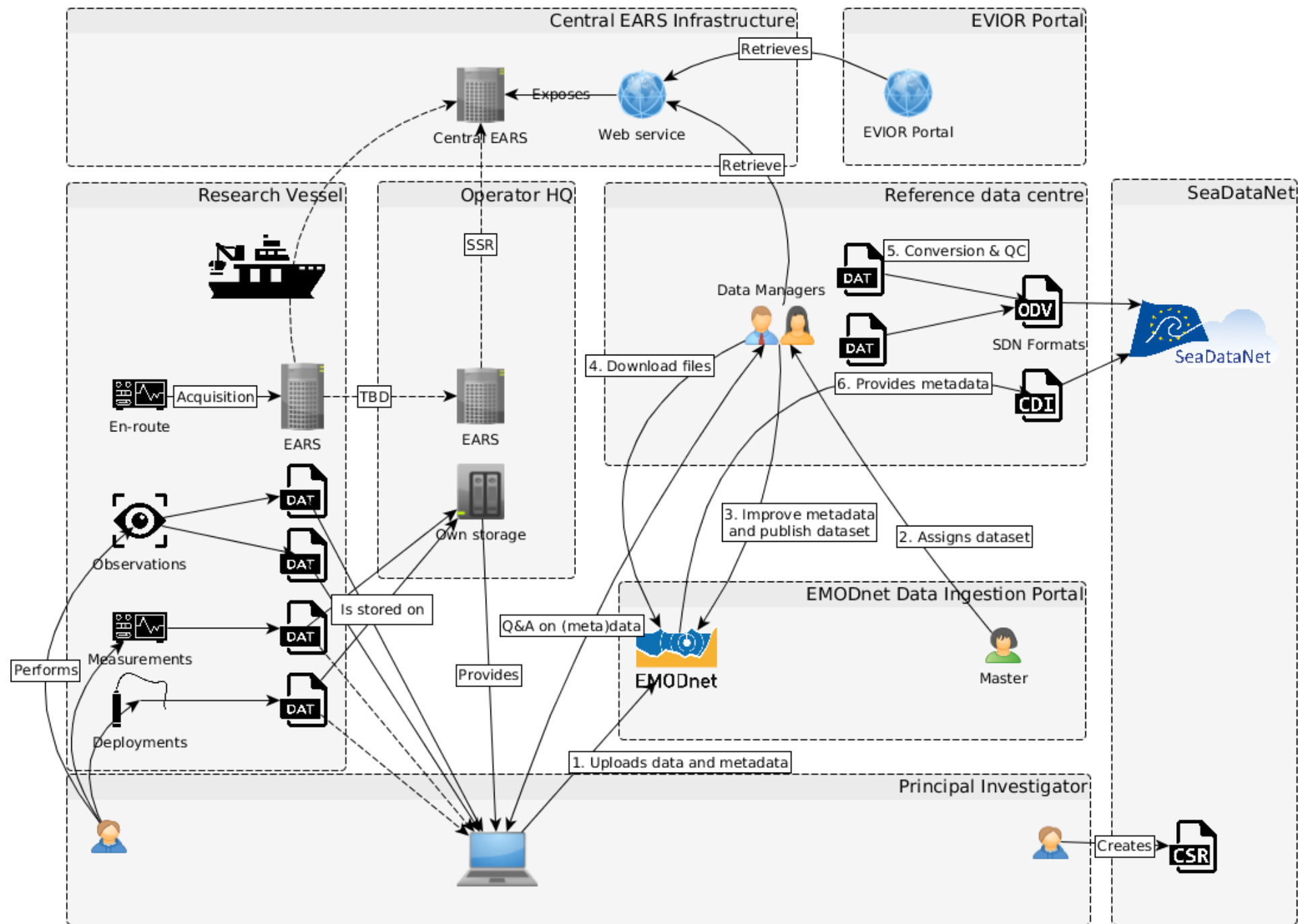
DMP ROADMAP

- Web application, adapted to Eurofleets use case
- Easily manage 100s of DMPs across institutes
- Login with account
- One DMP Template (contains preliminary + full phase)
- One plan per access programme grant=programme/cruise
- DMPs are private by default
- Share your DMP with others (make public, invite, download as word or pdf)
- Make all changes in DMP Roadmap



DMP ROADMAP: HANDS-ON TRAINING

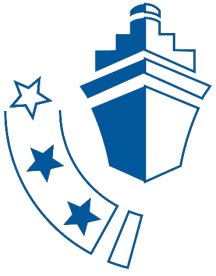
- <http://dmp.ef-ears.eu>
- Guidance document:
 - https://github.com/tvandenbergher/roadmap/raw/ef-dmp/public/files/EF+_data_management_guidelines_PI.pdf
- Create your account
 - Click 'My organisation isn't listed' and complete
- Create a test plan
- Share
- Download





REPORTING

- Metadata of the cruise (SeaDataNet Cruise Summary Report)
 - two weeks after the cruise (cfr. the 'Guidelines for applicants', 'Reporting')
- Metadata of the datasets of the cruise
 - two months after the cruise, together with the data
- en-route data: via EARS, automatically
- CTD data and data of deployed devices
 - two months after the results are obtained
- "manual" data, e.g. observations and/or measurements on samples, together with operations meta-information (EARS)
 - two months after the result is obtained



NEXT WEBINARS

- Call writing Webinar
- end application for scientists: December 2019 - January 2020
- → Check the Eurofleets+ News webpage

QUESTIONS?