

Scientific data storage and transmission under the 2014-2020 Data Collection Multi-Annual Programme (DC-MAP) – Feasibility Study

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Brussels, 21 October 2013

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OBJECTIVES

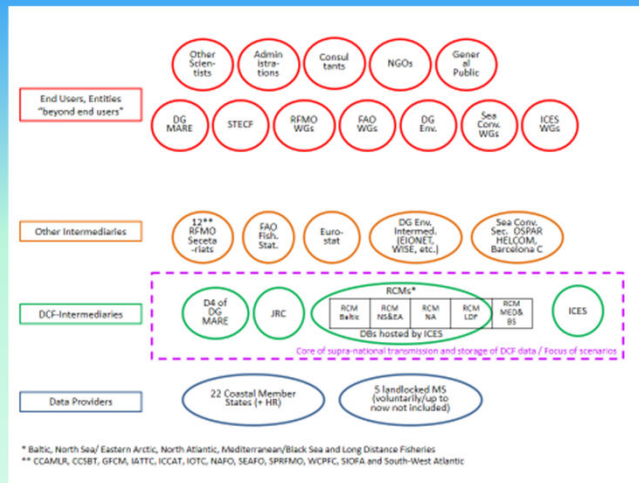
- Description of the **current situation**:
 - data storage
 - transmission set-up (to and from supra-national DBs)
- Development of three possible **scenarios**
- Assessment of the **effectiveness and feasibility** of these scenarios.
 - Effectiveness = meeting policy objectives
 - Simplification
 - Costs reduction
 - Accounting for needs of data providers and users..
 - Bio-economic integration
 - Confidentiality assurance
 - Quality assessment
 - Accessibility (Marine Knowledge 2020)
 - Coherence with IFDMP (integrated fisheries data mgt programme)
 - Feasibility = meeting legal, administrative and financial constraints to implementation.

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Current situation



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APPROACH

1. Design and distribution of questionnaires to stakeholders
 - DCF National correspondents
 - ICES / JRC
 - Eurostat
 - Regional Fisheries Management Organizations (RFMOs)
 - Regional Sea Conventions (RSCs)
 - DG Mare (IFDMP / EMODnet)
 - DG Environment (EIONet)
2. Processing information / description current situation
3. Design of scenarios
 - Interim report / comments from DG Mare
4. Evaluation of scenarios
 - Focus group
5. Final report

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Access to CR data (control regulation)

- The inter-institutional arrangements providing for the access to CR data (logbook, sales notes, VMS, fleet register);
- The type of access (online, offline);
- The frequency of access (real time);
- The level of detail of the received/accessed data
 - primary, detailed or aggregated, and
 - level of aggregation compared to DCF requirements
 - confidentiality aspects/requirements;
- The variables collected and transmitted and their specifications;
- The storage of CR data;






Database set-up

- Identification of the databases;
- Contents: domains, aggregation level (compared to DCF requirements);
- Frequency of update;
- IT aspects: connections, servers, accessibility, inter-operability with other databases;
- Management system: software, documentation availability, staff;
- Use of classifications and nomenclatures.






Transmission 1: Data upload

- The data calls and their coverage (domains);
- The calendar for data calls;
- The type of data and aggregation level;
- The transmission/upload protocols and formats,
- Problems faced at the data provider and data recipient level;

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Quality checks

- By type of data (detailed and aggregated, by domain);
- Quality indicators (for detailed and aggregated data);
- Storage of quality indicators.

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Quality checks

- Availability
- Accessibility
- Missing values
- Duplicated records
- Correctness of aggregation
- Timeliness
- Coding
- Stan. deviation
- Coef. of variation
- Sample size
- Sampling rate
- Response rate
- Coverage rate
- Typing errors
- Arithmetic checks
- Logical checks
- Range/ outliers
 - cross section
 - time series
- Other sources




Transmission 2: Dissemination (DBs)

- Databases managed;
- Accessibility online;
- Access rights and levels;
- Possibility of queries and tailor-made requests;
- Frequency of updates;
- Formats for retrieving data;
- Dissemination tools;
- Main users.




Interactions with related data(bases) (EMODnet, EIONet)

- Which type of data is required by EMODnet (IMP) and EIONet (MSFD);
- Future needs (horizon of 2020);
- How this data is obtained and stored at present.
- Level of interaction (national, supra-national);
- What IT development is foreseen in the near future.

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Scenario axis

Regional coverage

- EU wide
- Regional: Baltic, NS, Atlantic, Med

Thematic specialization

- Biological
- Economic (fleet, aquaculture, processing)

Functional scope

- Aggregation level
- Data storage / transmission
- Quality control

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Three scenarios

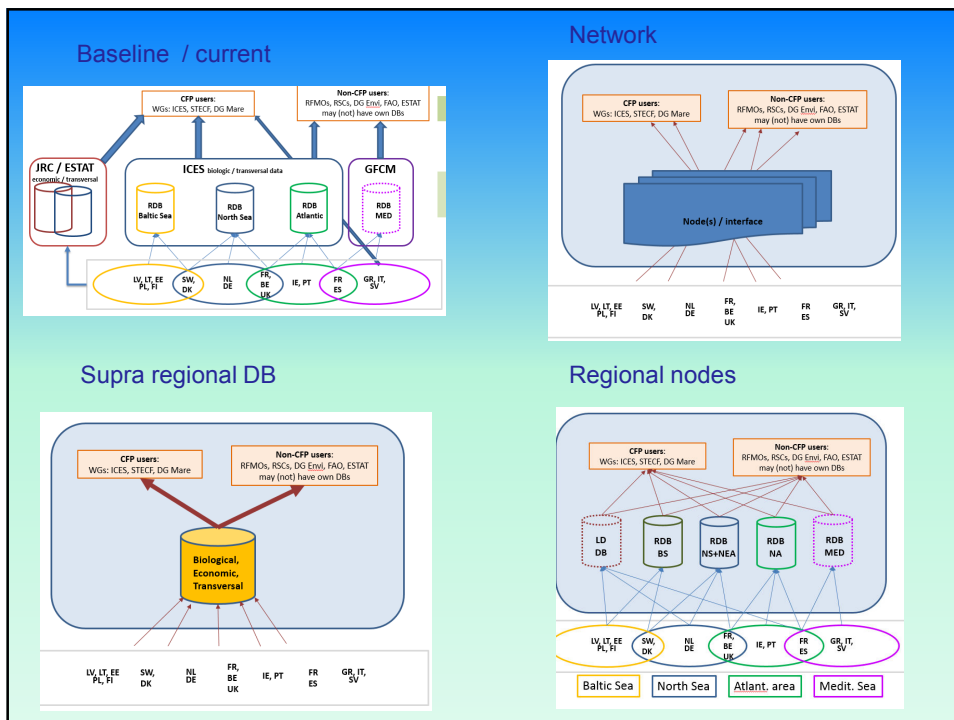
1. Supra-regional database (ESTAT model)
2. Regional nodes (Fishframe model)
3. Network (EMODnet model)

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Interim report – November 2013

Draft Final report – January 2014

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