

5-6 Project proposal for HELCOM Data Flow project

Action requested:

The Meeting is invited to:

- review and in principle endorse the proposed project, with the intention to submit to HOD 57- 2019 for approval.
- consider the possibility to provide national funding for the work.



Background

- GEAR requested the Secretariat to prepare a draft for project proposal on developing dataflows, to be presented to STATE&CONSERVATION 11-2019 and GEAR 21-2019 for review
- STATE&CONSERVATION 11-2019 in principle endorsed the proposal for HELCOM Data Flow project and agreed to send the proposal to GEAR 21-2019 for endorsement, with the intention to submit to HOD 57-2019 for approval.
- This project proposal outlines a minimum resource on the secretariat side for preparing for HOLAS III looking into lessons learnt during HOLAS II



Background

- Builds on the overview of HELCOM assessment data flows listed for State & Conservation 10-2018 meeting and development needs stemming from indicator development process and relevant expert groups
 - Overview of HELCOM assessment data flows ([S&C 10-2018, Doc 3MA-7](#))
- Secretariat would also strive to seek possibilities for additional external funding resources supporting data flow related issues (e.g. CEF-TELECOM Public open data call 2019-2)



Activities

- A) Elaborated gap analysis based on existing information and HOLAS II
 - Scope: Indicators, BSPI/BSII and ESA (Extending the generic gap analysis outlined in HELCOM assessment data flows listed for previous state & conservation meeting (Overview of HELCOM assessment data flows ([S&C 10-2018, Doc 3MA-7](#))))
- B) Analyze the data flow reporting requirements against indicator and assessment data requirements and monitoring guidelines and monitoring manual
 - There can be a slight mismatch with what is reported vs. what is required by the indicator (eg. Case of HOLAS II Hazardous substances indicators)
- C) Work for optimizing data management processes, data flows and infrastructure to support HOLAS III
 - The aim is to develop a HOLAS III Data flow plan which aims to tackle the issues observed on activities A and B (gap analysis and data reporting requirements)



Activities

- D) Liaise and assist national data providers and explore possibilities of advancing data harvesting based reporting
 - Assistance with data harmonization to required formats
 - Synergies with other reporting mechanisms, if possible
- E) Create data conversion tools for data flows currently managed by HELCOM Secretariat to reduce manual workload
 - Developing automated workflows for targeted data flows on biodiversity and prioritized human activities and pressures, to be decided during the project, by further developing and making use of tools already available and in use in the Secretariat



Outputs

1. Detailed documentation on data flow gaps (Indicators and BSPI/BSII, ESA)
2. Analysis of reporting requirements: Recommendations to State & Conservation on modifications of reporting requirements
3. HOLASIII Data flow plan
4. Data conversion tools (ArcGIS Data Interoperability/FME Workbenches) developed for targeted data flows managed by HELCOM Secretariat
5. Reporting of data / creating data conversions tools to support current reporting flows and fill gaps identified in Result 1.



Resources requested

- Project duration 7/2020-12/2021
- Project researcher 12, person months
- Database application developer, 6 person months
- Total 18 months

