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Data inventory

**Abstract**: The intention of this paper is to develop a data inventory policy and compile an inventory of scientific data submitted by Members to the Secretariat. This data inventory would potentially contribute to the development of a database for scientific data.

**Background**

The NPFC Performance Review recommended that the SC and the TCC each undertake a comprehensive assessment, updated annually, summarizing the NPFC data inventories and the status of data gaps and deficiencies in NPFC data and report the outcomes to the annual session of the Commission (Recommendation 4.2.5). SC08 tasked the Secretariat to draft data inventories and report progress to SC and its subsidiary bodies.

The primary objective of this paper is to develop a data inventory policy and compile an inventory of scientific data submitted by Members to the Secretariat. Additionally, this data inventory would potentially contribute to the development of a database for scientific data.

**Scientific data inventory**

**Purpose**: to facilitate sharing, access and use of scientific data and information and improve data management.

**Scope**: scientific data and information provided by Members through annual reports and catch reporting systems or shared within a group of experts for stock assessment and ecosystem analyses on the Collaboration site (or through other tools which may be developed in the future).

**Data access and governance**

Scientific data sharing and security are regulated by two NPFC policies: (1) [NPFC Data Sharing and Data Security Protocol](https://www.npfc.int/system/files/2023-07/NPFC%20Data%20Sharing%20and%20Data%20Security%20Protocol%202023.pdf) and (2) [Regulations for Management of Scientific Data and Information](https://www.npfc.int/system/files/2023-04/Regulations%20for%20Management%20of%20Scientific%20Data%20and%20Info.pdf). They provide rules for access to different types of data and for data collection, storage, and dissemination.

**Data inventory template**

Table 1 shows a draft scientific data inventory template. It includes the following metadata attributes:

* ID - The identifier of the data asset which is specific and unique to the NPFC.
* Title - The most common useful name by which the data asset is known by NPFC (e.g. CM CAS data).
* Description - A descriptive statement of the data asset.
* Purpose – A short description of the intention the data asset was developed for (e.g. Footprint summary, stock assessment, impact on fisheries resources, impact on ecosystems, adaptive management).
* SC group – relevant SC subsidiary body.
* Member – Who submitted the data.
* Point of Contact – Point of contact for data sharing.
* Data type – Type of data (e.g. dataset, text).
* Data format – Format of the data (e.g. csv, pdf …, DWH data warehouse)
* Date submitted/updated – The date when the data were submitted/updated.
* Temporal coverage from – The period which the data start from (year, month?).
* Temporal coverage to - The period which the data end with (year, month?).
* Spatial distribution – Spatial coverage of the data (e.g. CA, NW, CA+NW).
* Update frequency – How often the data are updated (e.g. annually, weekly).
* Location – Where the data are located (e.g. data warehouse, website, collaboration site).
* Access URL – Weblink to data storage.
* Access rights – Who has the right to access the data (e.g. Public, Members, CNCP, Expert groups, Observers).
* Data source – Where the data come from (Annual report, Catch report, Fishery, Survey, Fishery+survey, Observer).

Table 1. Scientific data inventory template

