The Data Mapping Form (DMF)
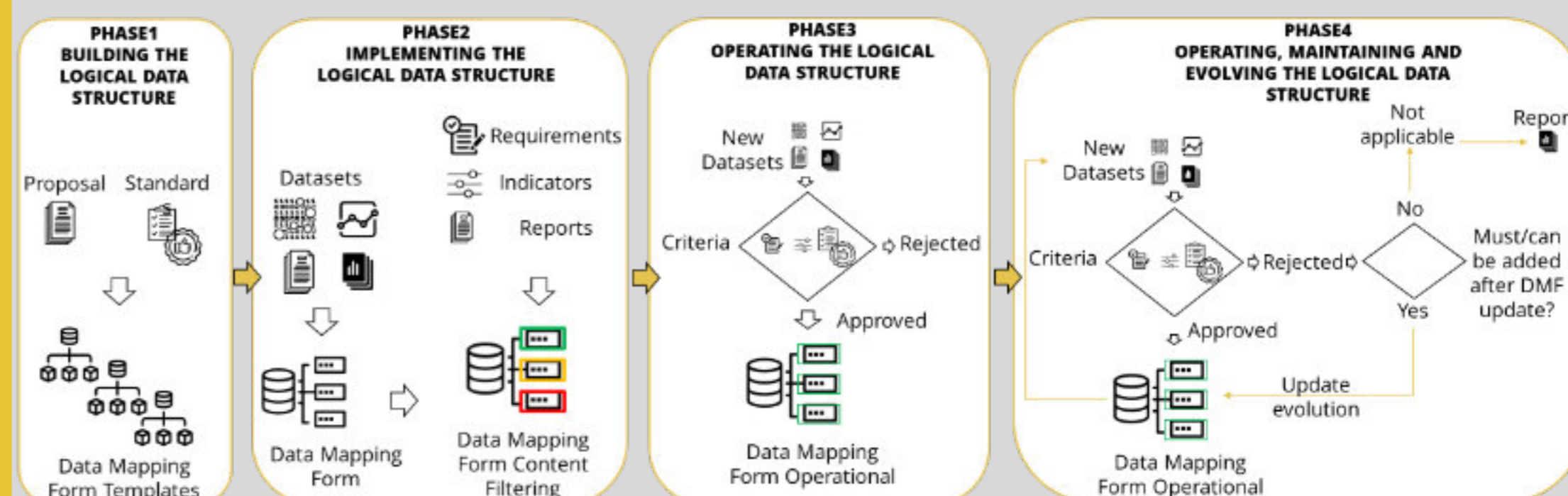
SCAN ME

Developed in the framework of the SHELTER project – Identification of data and knowledge sources, the DMF is a dataset description template that aims at describing (according to a pre-defined metadata schema) all the relevant data sources that can be useful for the project scope: not only geospatial data but also information and knowledge not directly referring to a position in space and time. Moreover, it addresses those technological partners that collect, generate and share datasets, information and knowledge to support the Open Labs activities, thus representing the basis for the implementation of the other SHELTER tools.

How

The DMF was drafted in compliance with the FAIR principles and the INSPIRE metadata standards and by translating the SHELTER user needs into user requirements. The data and knowledge collection was performed in parallel with flow of information (indicators) and it started from the analysis of data already available for the Open Labs with contribution from all SHELTER partners.

The DMF workflow, principles and methodology

Tool|Results

The DMF is made of 10 main sections, with each section related to a specific group of steps in the data value chain. It comes with instructions to guide the users during the filling process. It is regularly reviewed and updated, by putting in quarantine those datasets that do not match with the indicators selected by the Open Labs. A specific field allows to associate each SHELTER module to the dataset that is going to be imported.

Functionality

The selection and uploading on the Data Lake (WP5) of the relevant datasets is based on the data description in the DMF. The indicators identified can be directly or indirectly produced through the extraction from the data described in the DMF or by computation performed by the SHELTER tools. The FAIR-compliant approach is the baseline for the data and knowledge management training task.