Conceptual approaches for development of national water information system

Cases of water information system

Water statistics (Statistics Agency of Slovenia)

NOT an indicator, but time series of derived data

Water GIS (Environment Agency of Slovenia)

Spatial dimension to represent indicator data.

Water Indicator (Environment Agency of Slovenia)

An indicator with dataset, interpretation and representation, methodology and auxiliary data.

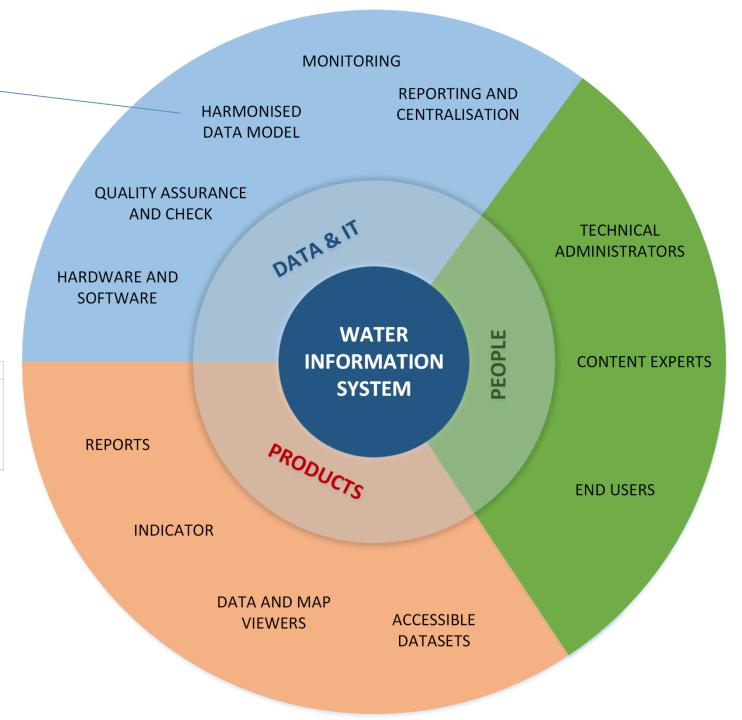
MONITORING Digital element of the system. The basis **REPORTING AND HARMONISED CENTRALISATION** which we provide DATA MODEL and handle. **QUALITY ASSURANCE AND CHECK** DATARIT **TECHNICAL ADMINISTRATORS** HARDWARE AND **SOFTWARE** We. The people who **WATER** PEOPLE establish, maintain **INFORMATION CONTENT EXPERTS** and use the system. **SYSTEM REPORTS END USERS INDICATOR** What we can use and what we work for. DATA AND MAP **ACCESSIBLE VIEWERS DATASETS** European Environment Agency opean Topic Centre on Inland, **Coastal and Marine Waters**

Data model (Data Dictionary)

General instructions for reporting; data model; list and structure of tables; relations between tables; specification and description of fields; enumeration of lists (codelists, vocabularies)

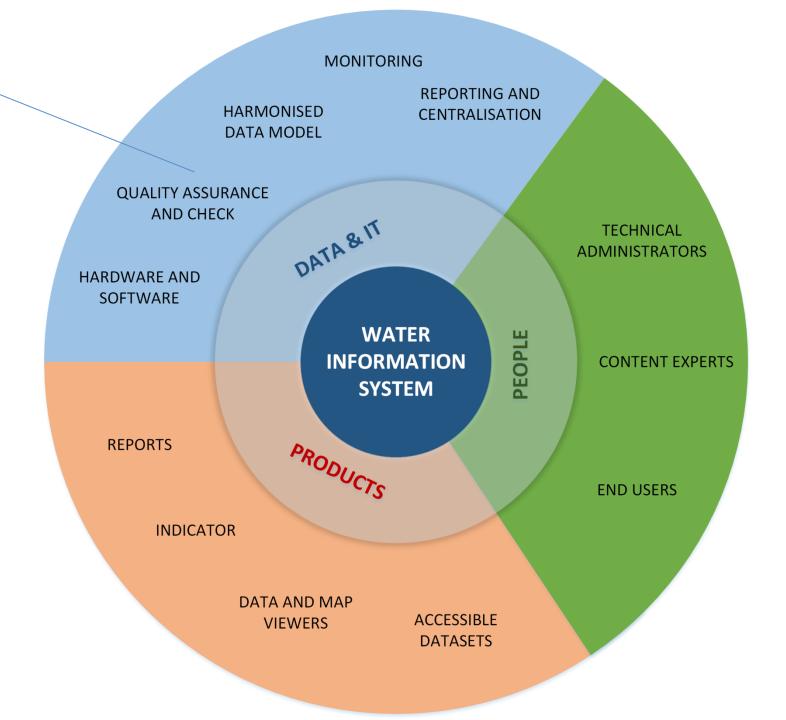
Field name	Field type	Size	Description
monitoringSiteIdentifier	string, quantitative	3-50	Unique international identifier of the monitoring site in which the data were obtained.

http://dd.eionet.europa.eu/datasets/3163



Quality assurance and check

Practice shows huge issues in data use when data are not put in order at early stage.



Dataflow process: case of Water Information System for EU

