How SeaDataNet has changed data management methods in HNODC

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Overall benefit

SeaDataNet helped us to organize our data
management procedures (QC, archiving,
exposing, etc) according to internationally
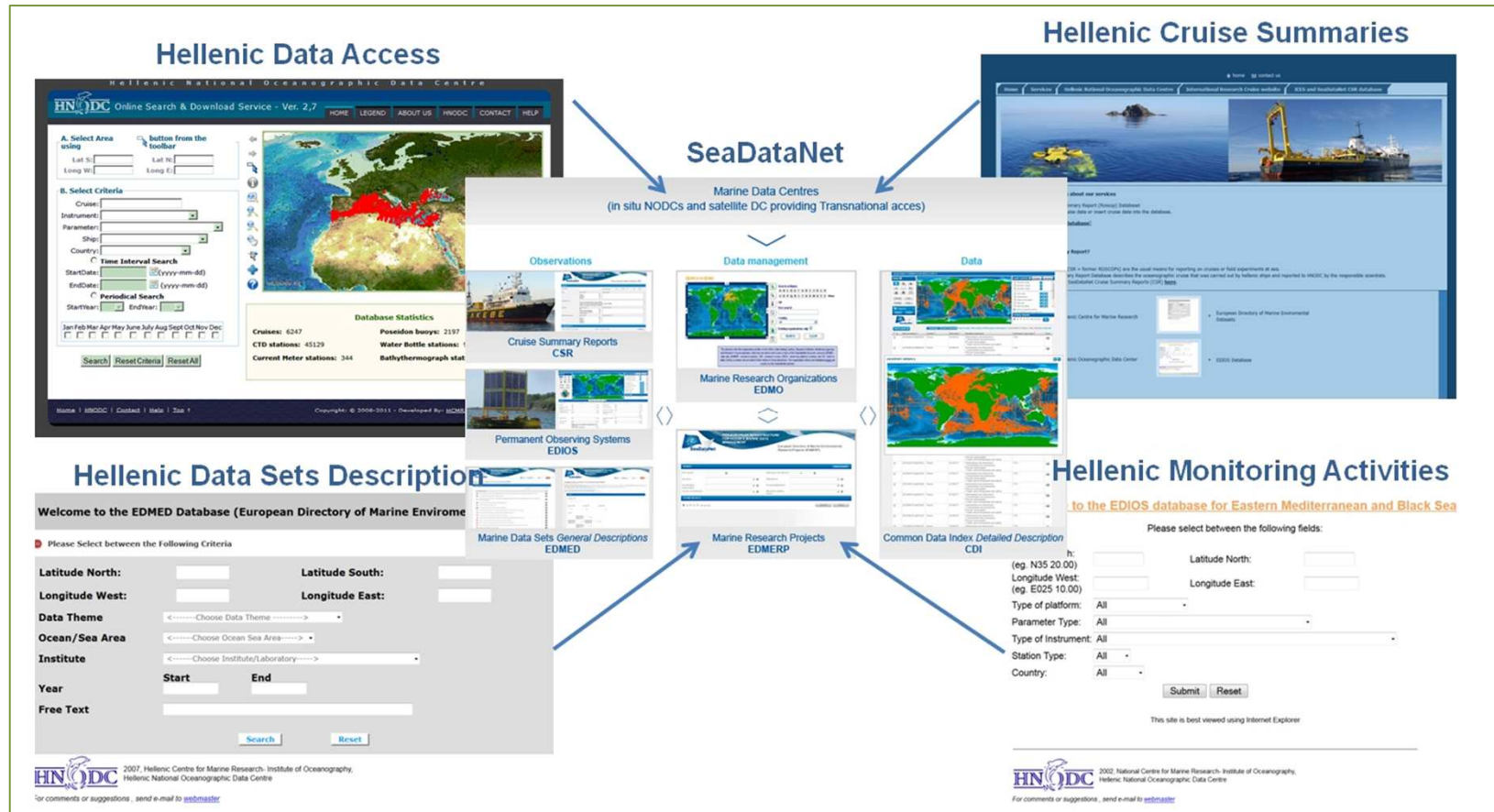accepted standards

HNODC in brief

❑ It was established in **1986** from the cooperation of Greece with IOC/UNESCO

❑ The development of the HNODC management system started in the **90's**, in parallel with the Medatlas I

HNODC in brief

- ❑ It is based on the Medar/Medatlas and SeaSearch principles (the predecessors of SeaDataNet):
  - ❑ Medatlas format and standards
  - ❑ Cruises -> ROSCOP
  - ❑ Datasets -> EDMED
  - ❑ Monitoring stations -> EDIOS
- ❑ Data access is done though a web GIS application at:
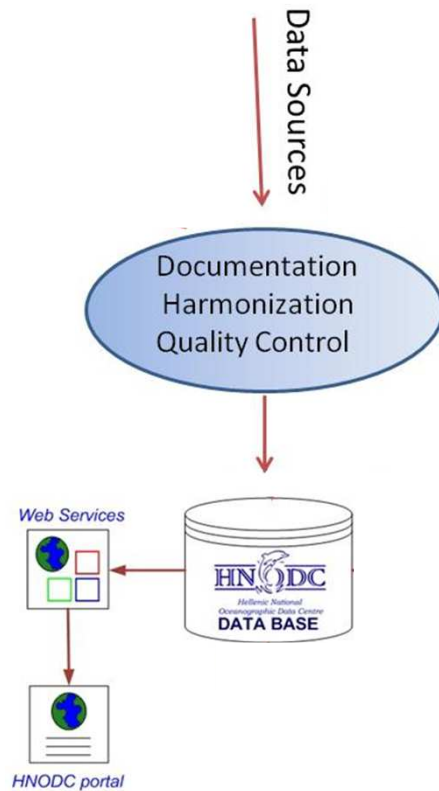 **http://hnodc.hcmr.gr/services**

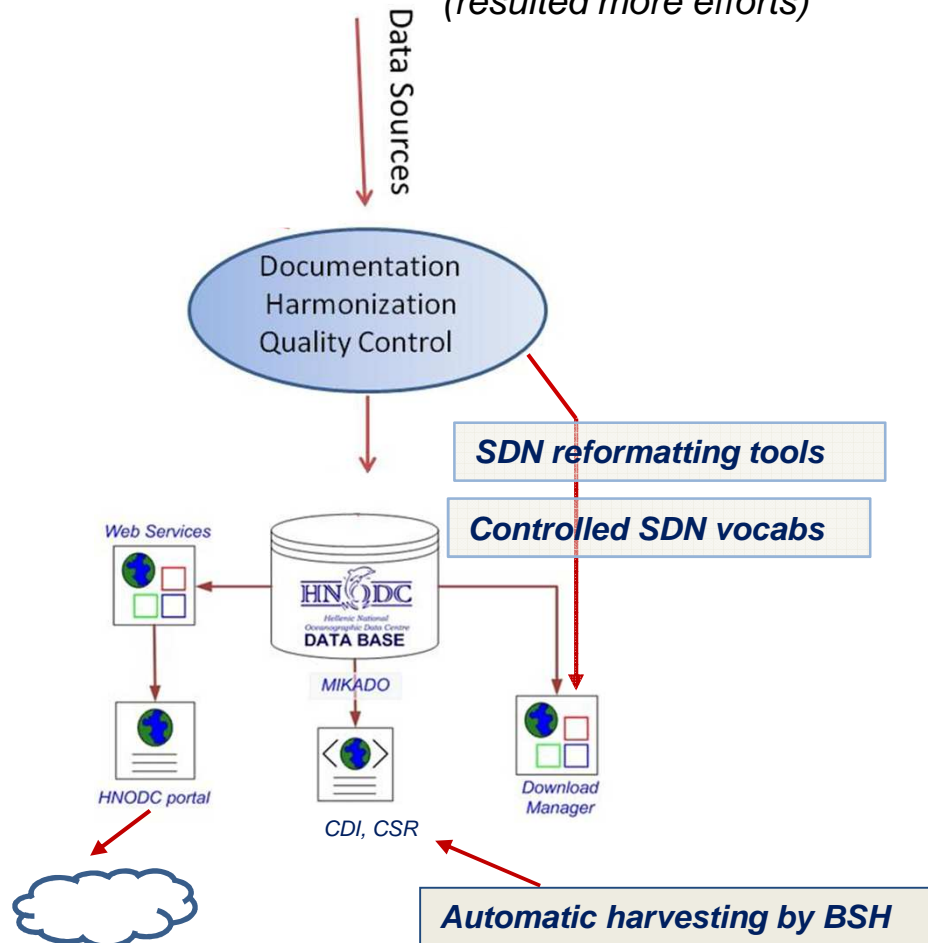# **Contribution to SeaDataNet**

Contribution to SeaDataNet

❑ By using SeaDataNet tools for preparing the local archives to be accessed by the SDN services

❑ By upgrading our system in conformance with the SeaDataNet standards

Data Management Flowchart/Changes

Before SeaDataNet

After SeaDataNet
(resulted more efforts)

SDN reformatting tools

Controlled SDN vocabs

Automatic harvesting by BSH

System Improvements

- ❑ Use of SeaDataNet controlled vocabs

- ❑ Management of more data types (such as biodiversity)

- ❑ Standardization of methods, parameters, tools

- ❑ Better QC -> better data

Benefits

- ❑ Interoperability with the outside world

- ❑ Use of SDN experience to become Inspire compliance

- ❑ Being part of the network, we can ask and get support for specific local issues

- ❑ Acknowledgement of our work and improved reputation

    - ❑ We get data more easy (they trust us)

More to be done

❑ Improve connectivity with operational oceanography data

❑ to interconnect the oceanographic db with the rest HCMR environmental systems:

➢ Improve our national contribution to EU and other systems