PAN-EUROPEAN INFRASTRUCTURE
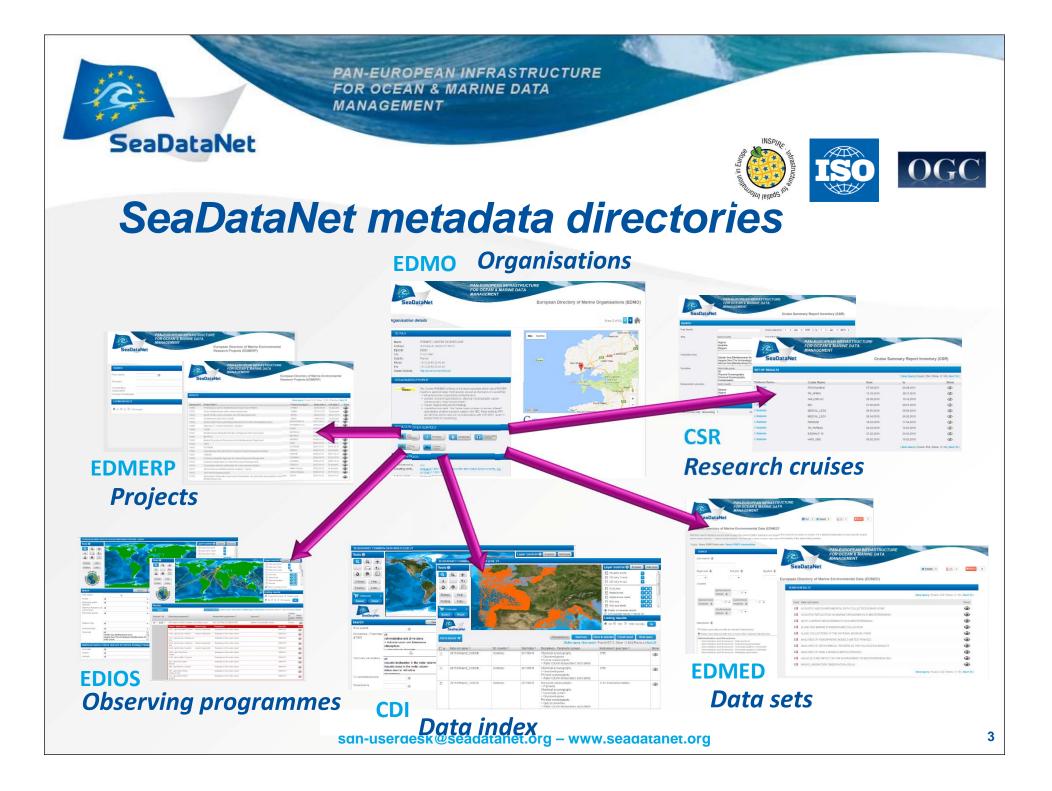FOR OCEAN & MARINE DATA
MANAGEMENT

SeaDataNet

SeaDataCloud

WP5: Metadata and data content – State of the art and Work plan for the 1st year (NA4)

Sissy Iona

HCMR/HNODC, Athens, Greece

Objectives of NA4

- **Expand** the data and metadata content of the system:
  - From existing and new partners
  - Other projects, networks not yet connected

- Successfully deploy **new** and **upgraded components** of the data and metadata services (developed within JRA WP8,9).

- Deploy **interoperability** solutions with major regional and global data systems.

SeaDataNet metadata directories

EDMO *Organisations*

EDMERP
Projects

CSR
Research cruises

EDIOS
Observing programmes

CDI
Data index

EDMED
Data sets

Workplan

WP	Title
5.1	Population and maintenance of metadata directory services (EDMED, EDIOS, EDMERP, EDMO and CSR)
5.2	Installing, configuring and taking into operation local components for the upgraded metadata directory services (EDMED, EDIOS, EDMERP, EDMO and CSR)
5.3	Population and maintenance of the CDI Data Discovery and Access service (CDI)
5.4	Installing, configuring and taking into operation local components for the upgraded CDI data discovery and access service
5.5	Interoperability with relevant European and international data systems

Tasks WP5.1,5.3
M1 - M48

Population and maintenance of content

- Entry and updating is done by partners using CMS, harvesting or XML delivery by email to central managers

- Available maintenance services and governance

Directory + pan-European coordinator	Format info	Online CMS	XML exchange from national to pan-European level
EDMED (coordinator BODC)	Check EDMED format	No	Yes
EDMERP (coordinator MARIS)	Check EDMERP format	Online	Yes
CSR (coordinator BSH)	Check CSR format	Online*	Yes
EDIOS (coordinator BODC)	Check EDIOS format	No	Yes
EDMO (coordinator MARIS)		Online	No
CDI (coordinator MARIS)	Check CDI format	No	Yes

http://www.seadatanet.org/Metadata/How-to-contribute

Tasks WP5.2, 5.4

- Metadata formats will be updated for publishing linked data (development within WP8 activities)

- Cloud and HPC services will be added to the CDI service (development within WP9 activities)

- Implications on the metadata services, population and maintenance tools

  – Preparing an implementation plan and instructions for the gradual installation per directory (WP5.2.1,WP5.4.1, TTG, M16)

  – Installing and configuring upgraded components for the population of metadata directory services at the national nodes and connected centers (WP5.2.2, WP5.4.2, TTG, **All partners**, M24)

Task WP5.5

- **Interoperability and exchange with other EU and International data systems (by TTG, M40)**
  - applying the interoperability solutions and technologies successfully introduced and demonstrated by GEOSS (Global Earth Observation System of Systems) and as part of the Ocean Data Interoperability Platform (ODIP II) project.
  - SeaDataNet dataset references will be added to the EUDAT B2FIND catalogue to enlarge the audience of marine datasets at a cross-disciplinary level.
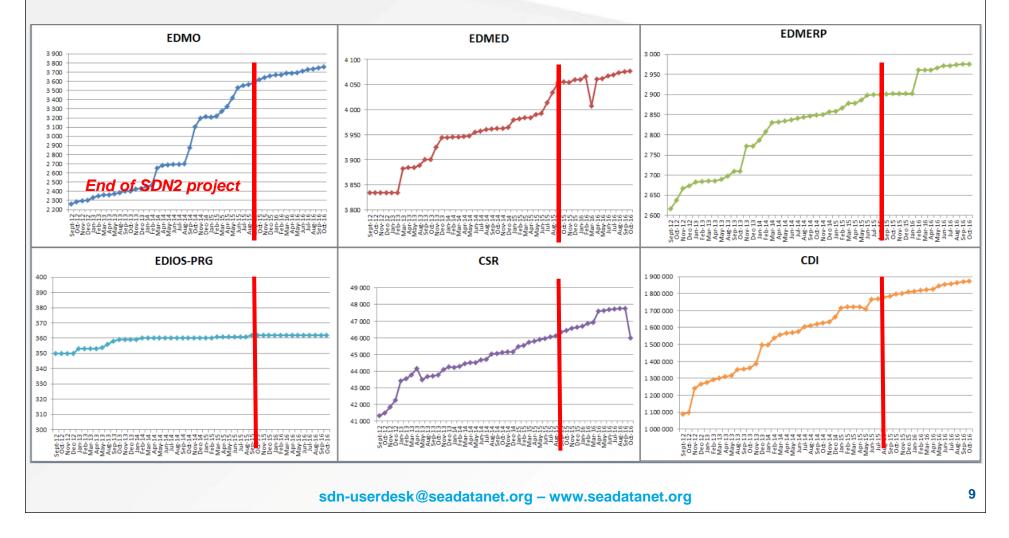
Activities from the first year/All partners

SeaDataCloud Project Planning		Year 1												
WP	Activity description	1	2	3	4	5	6	7	8	9	10	11	12
5	NA4 - Expansion and governance of metadata and data content												
5.1	Population and maintenance of metadata directory services (excl. CDI)												
5.2	Installing local components for upgraded metadata directory services (excl. CDI)												
5.2.1	Implementation plan and instructions for the gradual installation												
5.2.2	Installing and configuring upgraded components at the connected nodes												
5.3	Population and maintenance of the CDI Data Discovery and Access service												
5.4	Installing, configuring the operat. upgraded CDI Discovery and Access service												
5.4.1	Preparing an implementation plan and instructions for the gradual upgrading												
5.4.2	Installing and configuring the upgraded components at connected data centres												
5.5	Interoperability and exchange with other EU and international systems												

- **Population and maintenance** of metadata services, **continually activity**, M1-M48 (**by all partners**)

SeaDataNet metadata directories content

SeaDataNet

We have to continually maintain the increasing trends

- **Monthly follow up reports** with contributions from all partners **will monitor partners activity.**

- **All partners activity will be reported** in the annual metrics reports (in WP6).

- **New partners** with their already identified data sets have to **start** activities to connect .

- There are *old partners with no activity* (will be contacted to undertake action).

Supporting material & activities

- Guidelines, manuals and documentation
    - http://www.seadatanet.org/Metadata/How-to-contribute
    - http://www.seadatanet.org/Data-Access/How-to-contribute

- Direct contact to managers of central directories, NA4 leader

- Training courses (M20, M32)