

COPERNICUS MARINE 8th **GENERAL ASSEMBLY**

- **ACCESS TO AN
INTEGRATED DIGITAL
OCEAN**



PROGRAMME OF
THE EUROPEAN UNION



Copernicus
Marine Service

implemented by



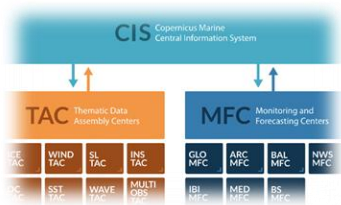
**MERCATOR
OCEAN**
INTERNATIONAL



Copernicus
Marine Service

● ACCESS TO AN
INTEGRATED
DIGITAL OCEAN
.... an on going story

Evolution of the Digital Ocean



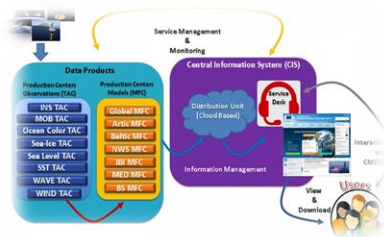
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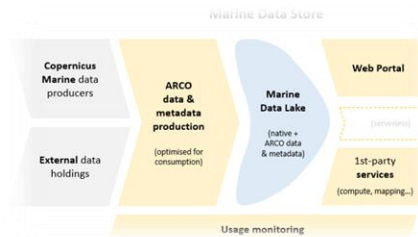
MDS
MDS



CIS



WEKEO



DTO

Evolution of the Digital Ocean services

Production



Data Access



Data Service



Evolution of the Digital Ocean

Production



Operational monitoring and forecasting



Data Access



Copernicus Marine data access



Data Service



Simple Data Access



Evolution of the Digital Ocean - WEkEO

Production



Operational monitoring and forecasting

Data Access



Copernicus Marine data access

WEkEO

Full Copernicus catalogue (satellites and services)

WEkEO

Data Service



Simple Data Access

WEkEO

Notebooks and commercial VM

WEkEO

Evolution of the Digital Ocean - EDITO

Production



Operational monitoring and forecasting

On Demand Processing
What if scenario



Data Access



Copernicus Marine data access

WEkEO

Full Copernicus catalogue (satellites and services)



Data from collaborative producer
Data produced by DTO users



Data Service



Simple Data Access

WEkEO

Notebooks and commercial VM

Tools, Workflow manager
Piloting What If and On Demand Processing



Evolution of the Digital Ocean – The Future

Production



Operational monitoring and forecasting

Testing On Demand Processing

Copernicus Marine supporting DTO

Data Access



Copernicus Marine data access

Data not produced by Copernicus

Copernicus Marine supporting DTO



Full Copernicus catalogue (satellites and services)



Data from collaborative producer
Data produced by DTO users



Data Service



Simple Data Access

Notebooks and Processing in MDS

Copernicus Marine supporting DTO



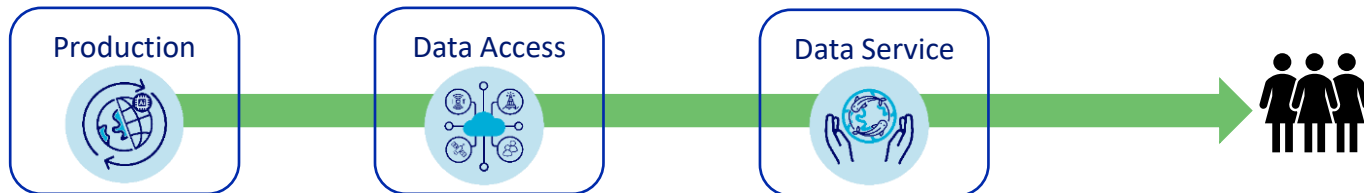
Notebooks and commercial VM

Tools, Workflow manager
Piloting What If and On Demand Processing

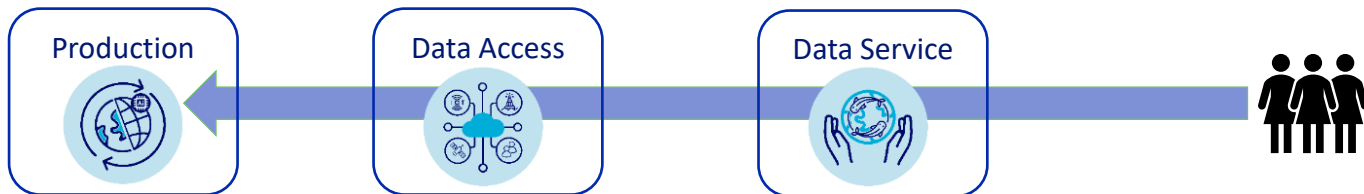


Data Service

Data Push



Data Pull



What if scenario

A collaborative approach



We count on the Copernicus Marine Community to support the construction of the EU DTO!