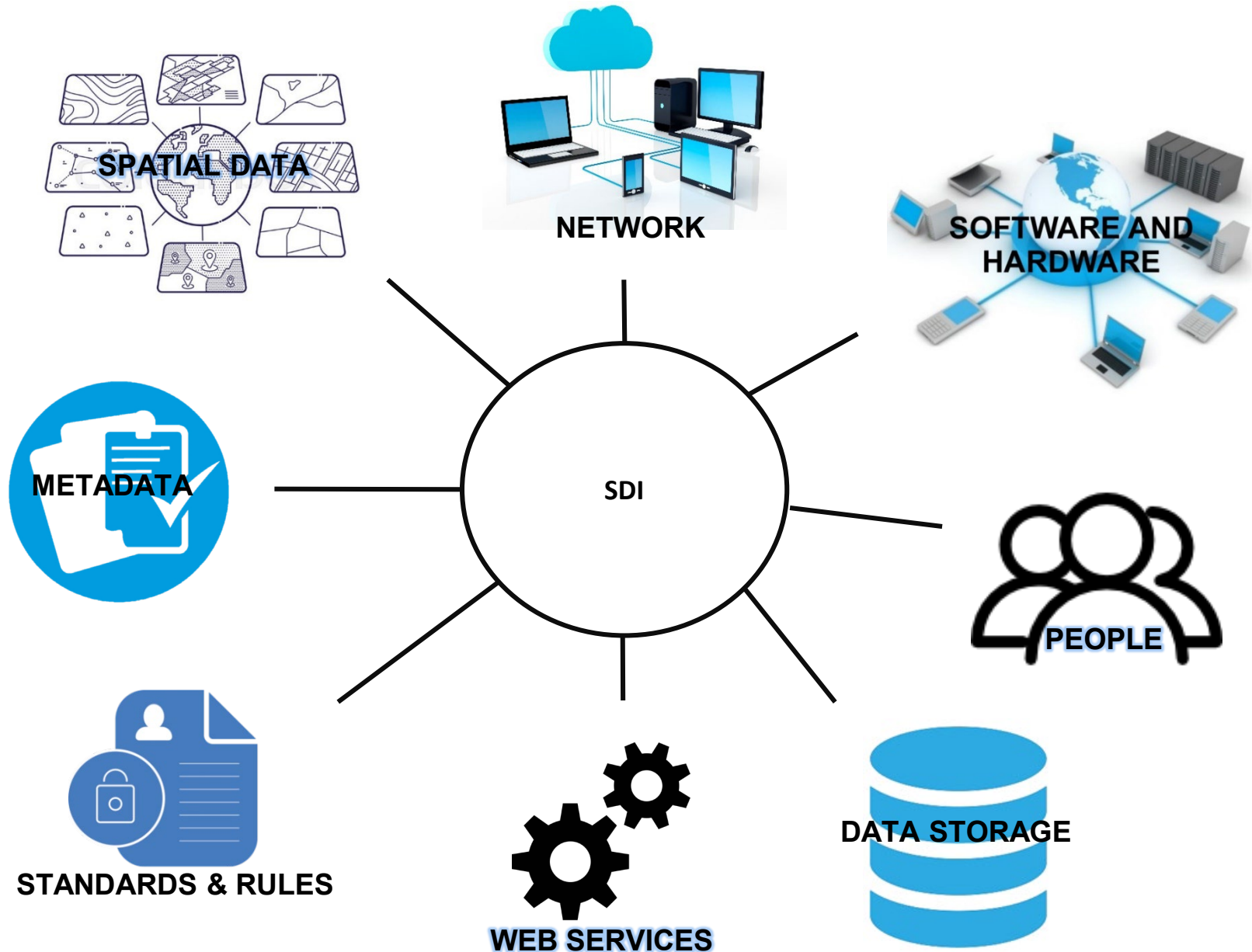# WP2 - Activity 2.3 Transferring

GIS tools for data management and sharing

Valentina Grande, Federica Foglini, Mariacristina Prampolini

CNR-ISMAR

13th July 2021

Digital Kick-off Meeting

AMAre Spatial Data Infrastructure

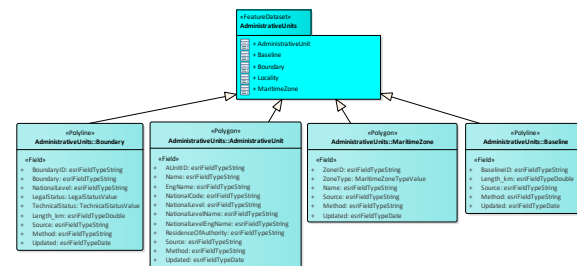# AMAre Workflow

REAL WORLD

- MPAs

CONCEPTUAL MODEL

Enterprise Architect

LOGICAL MODEL

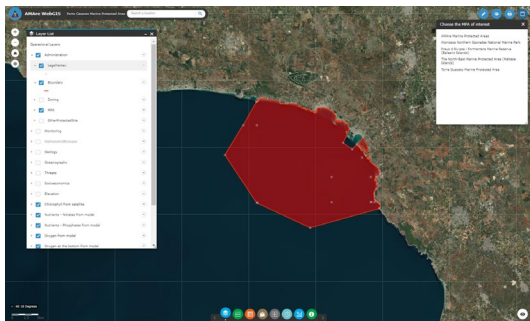INSPIRE Data Specifications

UML Model

ArcGIS

WEBAPP PUBLICATION
Geoportal

SYMBOLOGY & CATALOGATION

MOKA CMS

ArcGIS server

PHYSICAL MODEL

METADATA COMPILATION
Geoportal catalogue

ESRI Geoportal

MOKA Catalogue

Geodatabase

AMAre Products

1. DATA COLLECTION

| Layer Category	Layer	Source
AdministrativeUnits	Internal water	MarineRegion.org
AdministrativeUnits	12 NM	MarineRegion.org
AdministrativeUnits	24 NM	MarineRegion.org
AdministrativeUnits	EEZ	MarineRegion.org
AdministrativeUnits	Administrative areas	DIVA-GIS
AdministrativeUnits	Military areas	
ProtectionAndConservation	National protected sites	CoCoNet
ProtectionAndConservation	International protected sites - SPAMI	CoCoNet
ProtectionAndConservation	International protected sites - UNESCO-MAB	CoCoNet
ProtectionAndConservation	International protected sites - UNESCO-Heritage	CoCoNet
ProtectionAndConservation	International protected sites - RAMSAR	CoCoNet
ProtectionAndConservation	International protected sites - Other	CoCoNet
ProtectionAndConservation	Natura 2000 sites	CoCoNet
ProtectionAndConservation	Fishing restricted areas - FRA, TFRA, ZPE, ZTB	
ProtectionAndConservation	Vulnerable areas, IBA, EBSA, etc	CoCoNet
ProtectionAndConservation	Proposed areas - OCEANA, ACCOBAMS, Greenpeace, CoCoNet	EMODnet

2. DATA MODEL
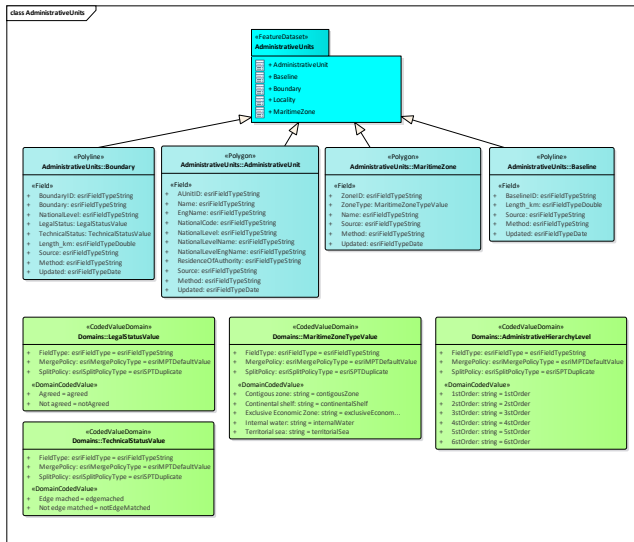
3. GEODATABASE

MARE.sde
- MARE.ActivityGridCoverage
- MARE.AdministrativeUnits
- MARE.Biodiversity
- MARE.ElevationGridCoverage
- MARE.ElevationVectorElements
- MARE.EnvironmentalVariables
- MARE.ExperimentalDesign
- MARE.Geology
- MARE.Geophysics
- MARE.HabitatsAndBiotopes
- MARE.HabitatSuitabilityModel
- MARE.Hydrogeology
- MARE.Hydrography
- MARE.MonitoringFacilities
- MARE.NaturalSystemModifications
- MARE.Observations
- MARE.ProductionIndustrialAndTouristicFacilities
- MARE.ProtectedSites
- MARE.ReflectivityGridCoverage
- MARE.ResourcesExploitation
- MARE.RiskAnalysis
- MARE.SitesOfInterest
- MARE.SocioeconomicGridCoverage
- MARE.Socioeconomics
- MARE.SpatialManagementAndPlanning
- MARE.SpatialPlanningGridCoverage
- MARE.TransportNetworks
- MARE.UtilitiesAndGovernmentalServices
- MARE.VariableGridCoverage
- MARE.ActivitiesManagement
- MARE.ALB_msk_cov
- MARE.alb_msk_pop
- MARE.dem_34N
- MARE.dem_h1_34N
- MARE.DesignationType
- MARE.Document
- MARE.HabitatStatus
- MARE.HabitatTypeCoverType
- MARE.Indicator
- MARE.ManagementBody
- MARE.MonitoringActivity
- MARE.MonitoringFacility
- MARE.Process
- MARE.Result
- MARE.SpeciesType
- MARE.Speciment
- MARE.srtm_34N
- MARE.srtm_h1_34N

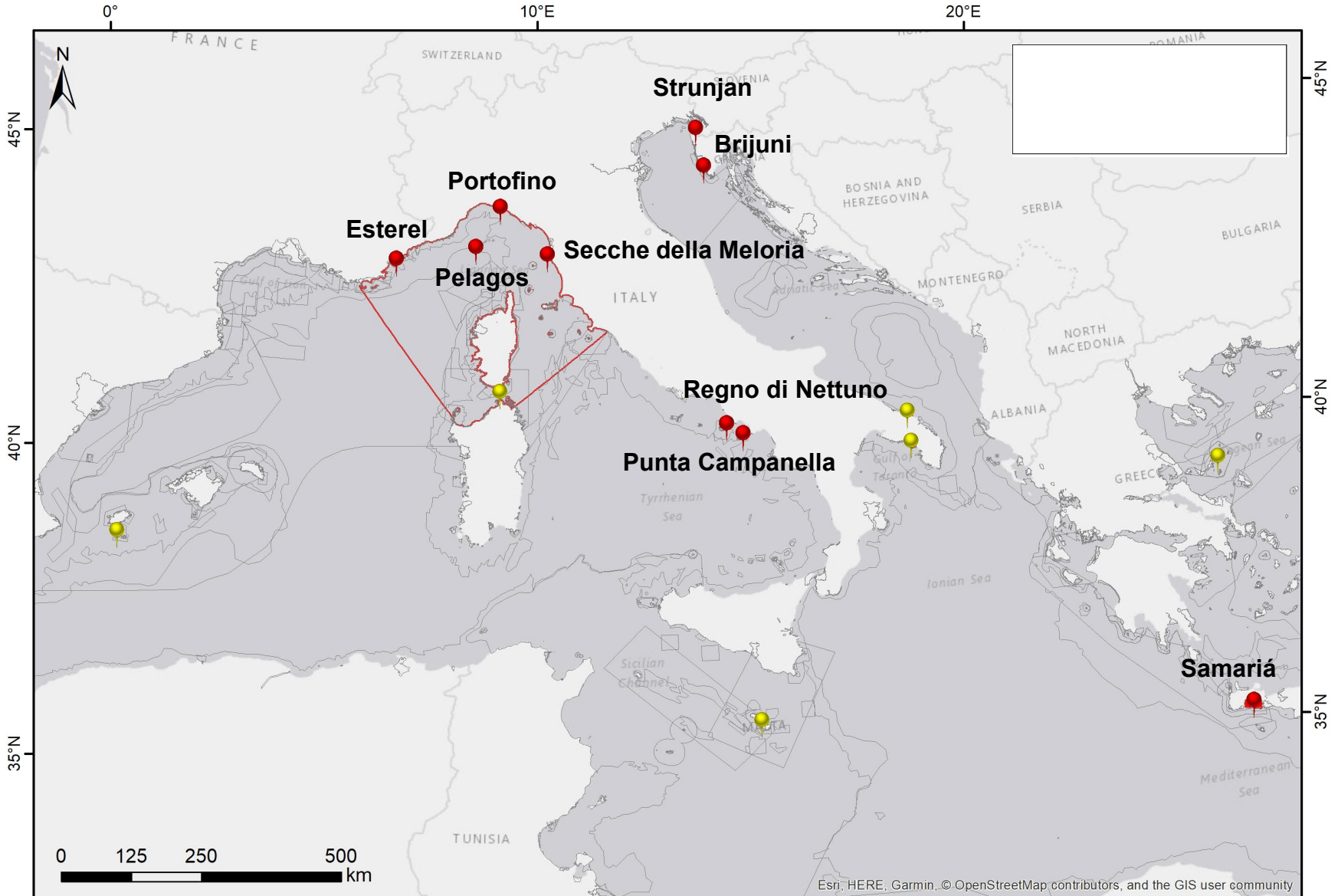## 4. GEOPORTAL
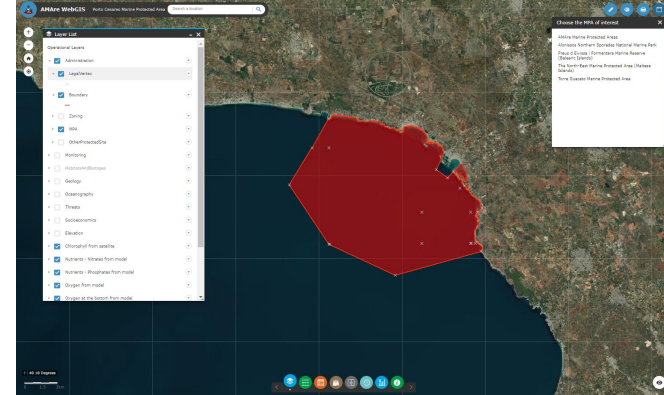
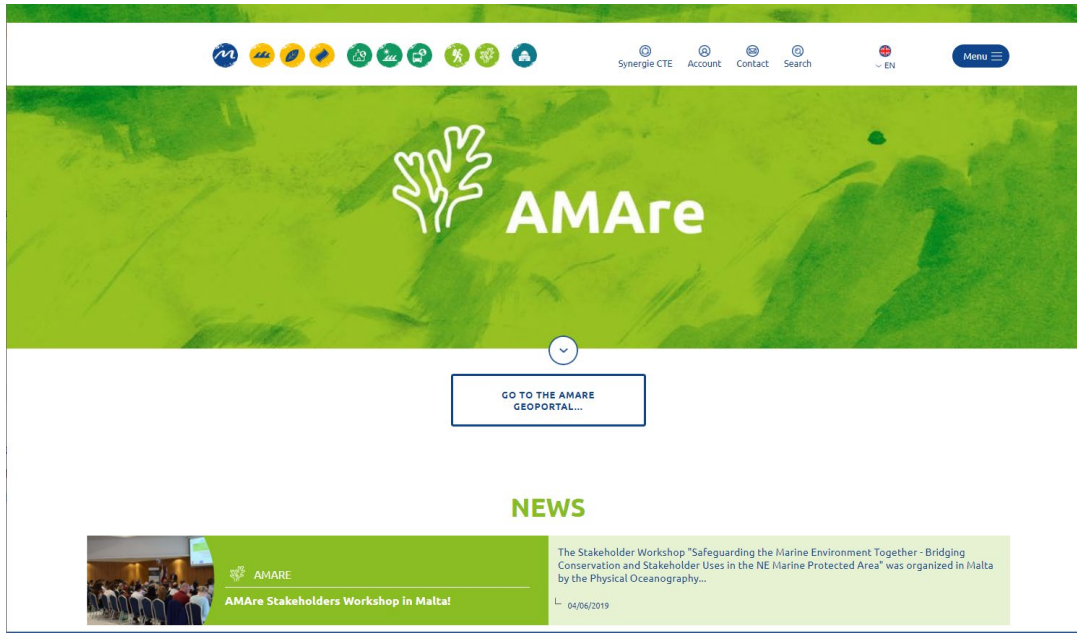## 5. METADATA CATALOGUE
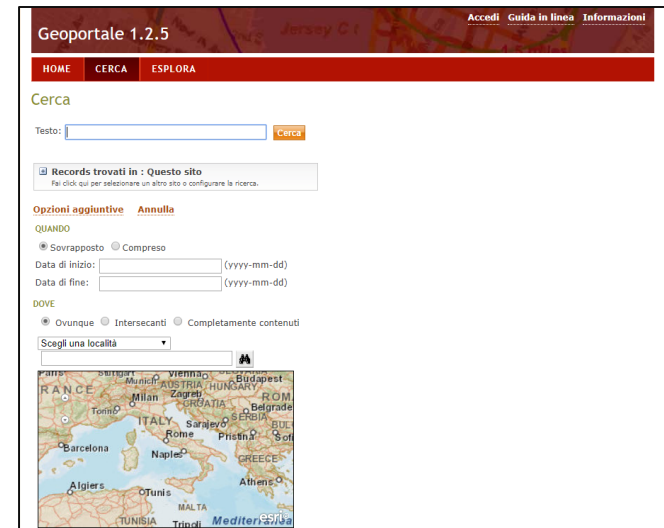
AMAre PLUS Products

DATA COLLECTION → **DATA MODEL** → **9 GEODATABASES**

AMAre PLUS Products

Webpage

AMAre Geoportal+

MedPAN ←

LIVE DEMO!