EMODnet Coastal Mapping

SHOM

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European Commission

European Commission

jectives

Assess the current availibility of digital coastal maps in the EU

Disseminate this information by EMODnet

Share experience of coastal mapping in the EU

Develop standards for best practices

Propose how a future JECMaP could operate

nsortium

Hydrographic offices :

ANCE – BELGIUM –
RMANY – GREECE –
LAND – ITALY – LATVIA
ORWAY – PORTUGAL –
OVENIA – SPAIN -
EDEN

egions :

MR – Regione Lazio
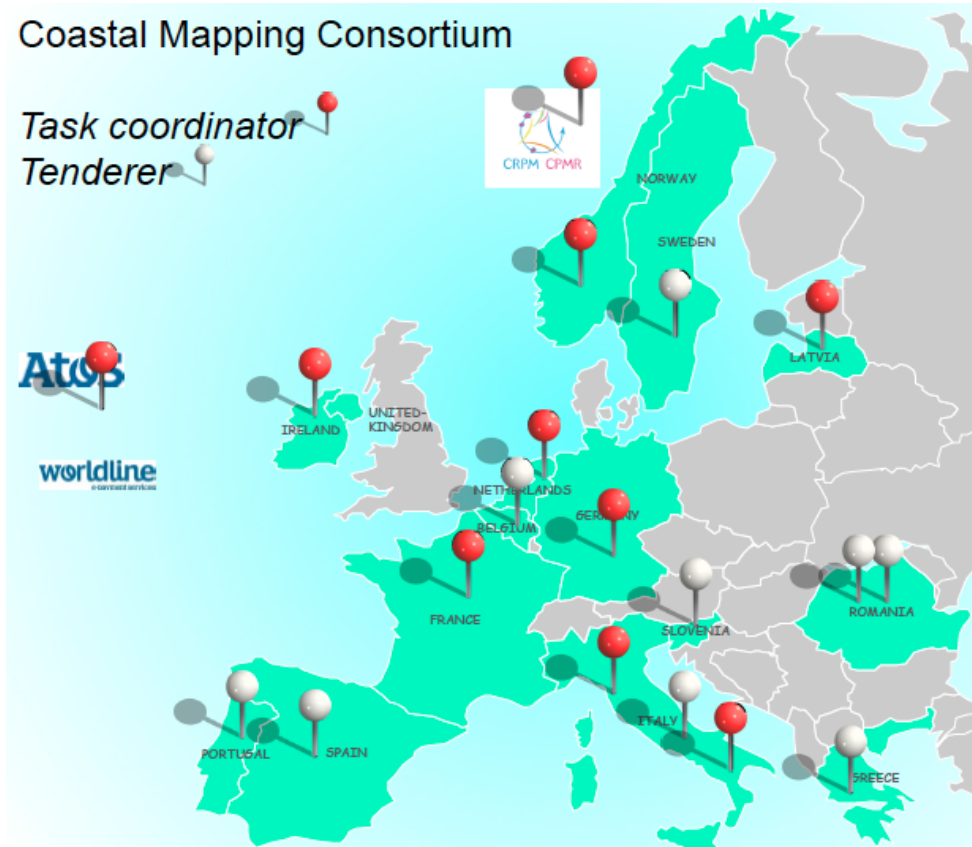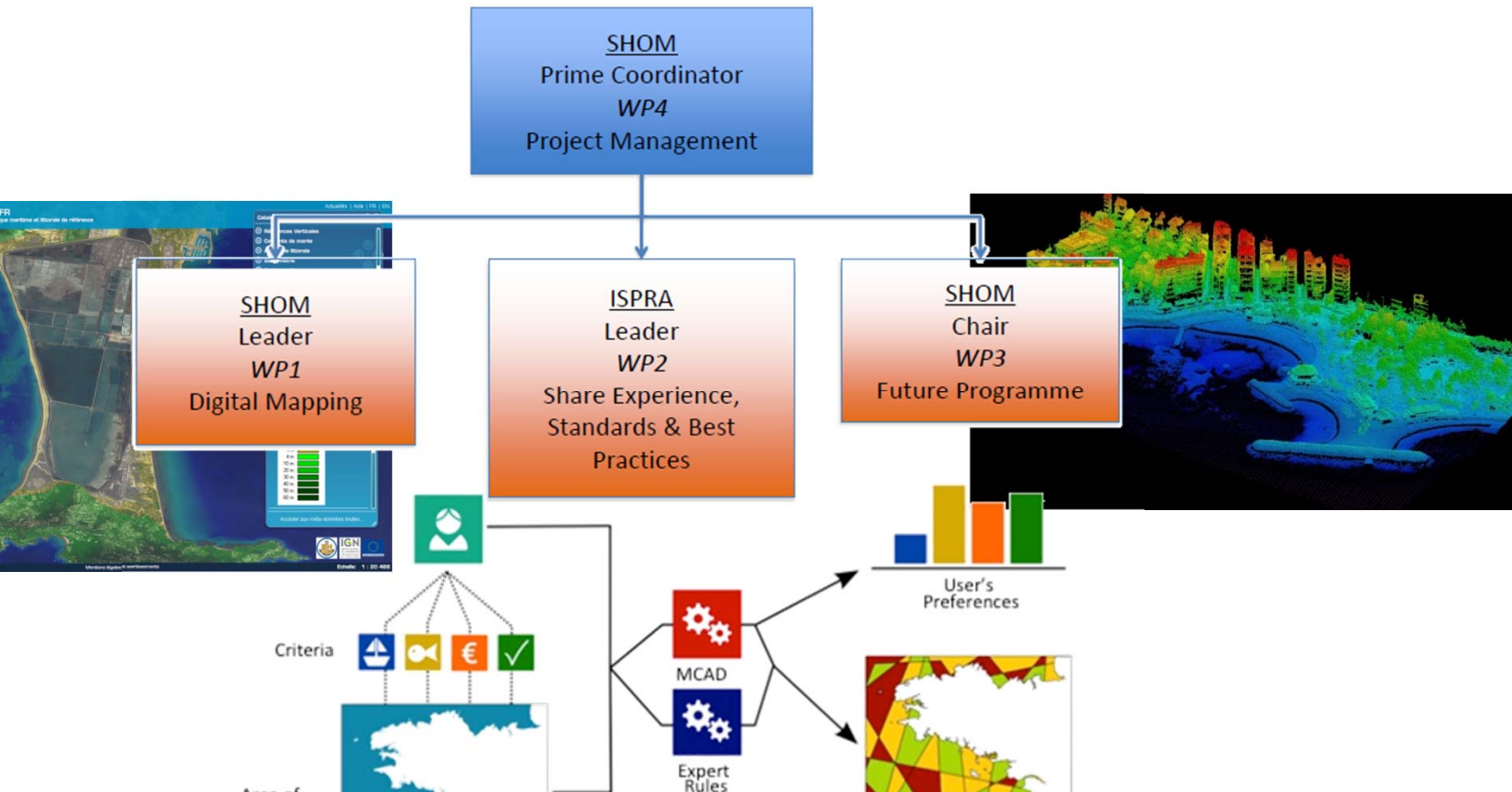
ublic Bodies :

RA – RWS - GeoEcomar
DNI

T company :

Coastal Mapping Consortium

Task coordinator
Tenderer

ganisation

European Commission

SHOM
Prime Coordinator
WP4
Project Management

SHOM
Leader
WP1
Digital Mapping

ISPRA
Leader
WP2
Share Experience,
Standards & Best
Practices

SHOM
Chair
WP3
Future Programme

User's
Preferences

Criteria

MCAD

Expert
Rules

P1 : Digital Mapping

P1 objectives :

Set up infrastructure enabling partners to prepare, update, disseminate self-produced data
- Technical & functional specifications for the portal and the warehouse and development (WP1.1)
- Inventory, deployment and data initialization (WP1.2)

Maintenance and administration of the infrastructure
- To guarantee its availability (WP1.3)

Training activities (WP1.4)
- Warehouse system overview, basic principles of use

WP2 : Share Experience, Standards and Best Practices

ISPRA
Leader
WP2
Share Experience, Standards
& Best Practices

RWS

WP2.1
al Datum Issues

ISPRA

WP2.2
Summarize Past
Experience

WP2.3
Algorithm

WP2.4
Survey Plan

NMA

WP2.5
Platforms Sharing

Criteria

Area of
Interest

MCAD

Expert
Rules

User's
Preferences

Strategy
Of Surveys
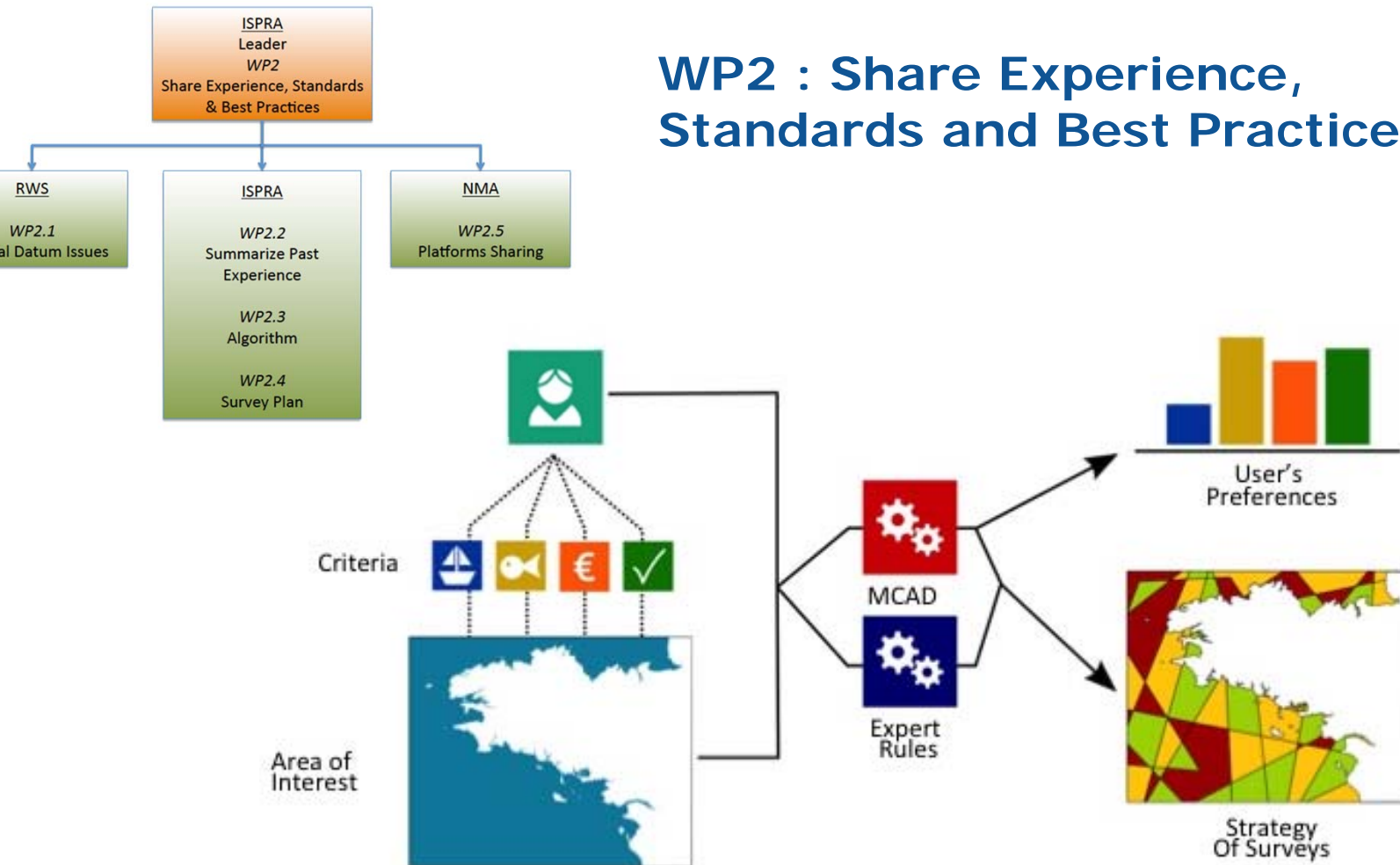
P2 objectives (1/2) :

Assess consistency of the existing vertical datum (WP2.1)

- Inventory of the used vertical references
- Inventory of available transformations and current developments (national projects)
- Analysis of INSPIRE requirements
- Analysis of differences between adjacent datasets
- Recommendation for a standard datum

Listing and summarizing of past experiences (WP2.2)

- Specific forms to the partners and major operators in marine surveys
- Feedback analyzed and summarized => report

P2 objectives (2/2):

Development of an algorithm to help the coastal
survey planning at regional level (WP2.3)
- Based on fuzzy or decision tree logic
- Comparison of the results with current used methods
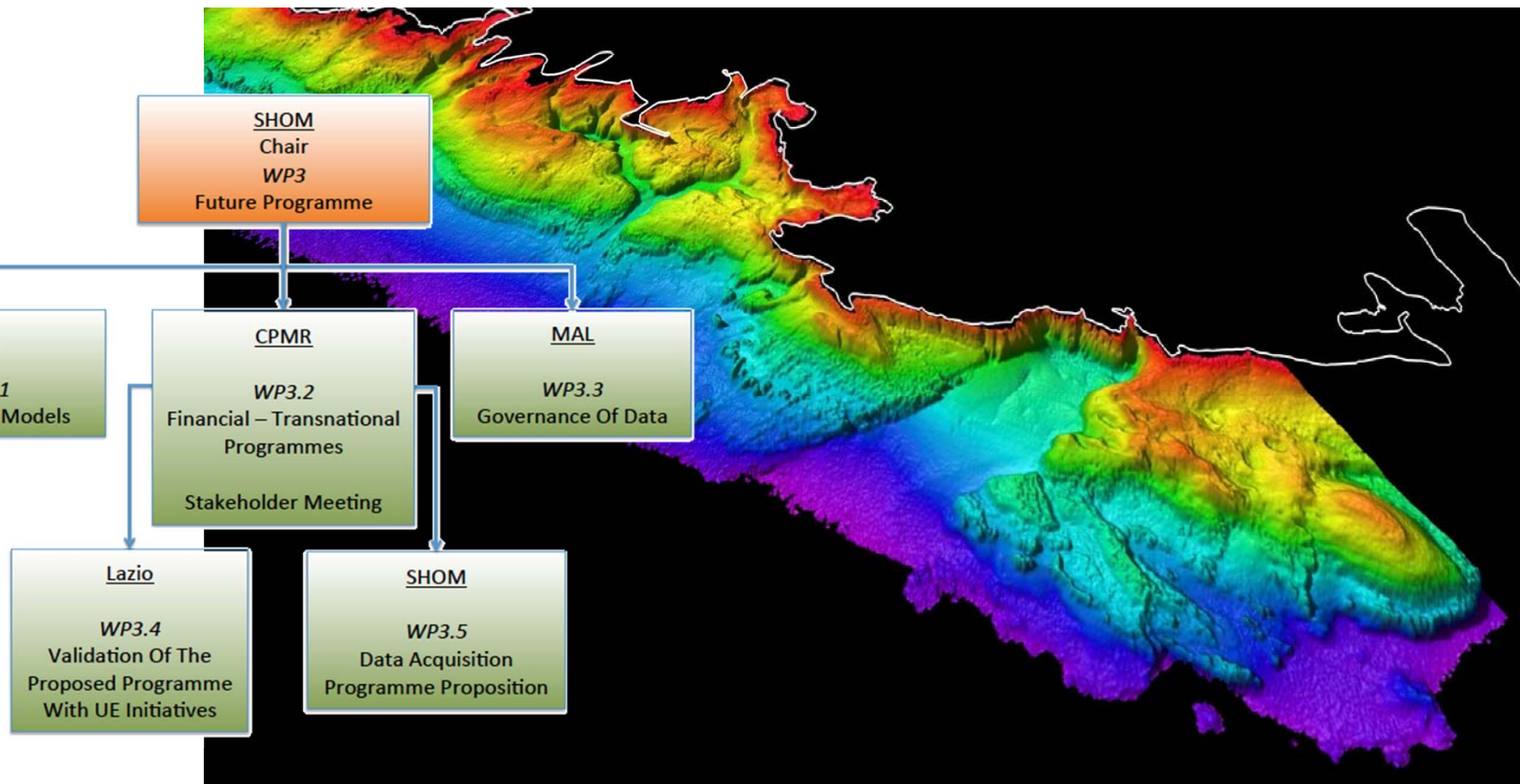- Calibration of the algorithm

Build a technical and economical strategy (WP2.4)
- By refining the algorithm with cost analysis

Sharing plateforms (WP2.5)
- Reduce cost and time by using additional sensors for a
  marginal cost

P3 : Future programme

P3 objectives (1/2):

Inventory of the current economic models (WP3.1)
- Specific form to get a picture of the current situation

Current EU fundings (WP3.2)
- Analysis of their ability to support data acquisition
- Case studies

Governance of bathymetric data management (WP3.3)
- Analysis within the partnerships (form)

P3 objectives (2/2):

Validation of the proposed programme (WP3.4)
- Submission to the Bologna Charter coordination board
European regions charter for the promotion of strategic actions aimed at the protection and sustainable development of the Med coastal area
- Outcomes incorporated in the strategy for a joint programme

Data acquisition programme proposal (WP3.5)
- Multi-level strategy taking into account WP2 and WP3.1 to WP3.4
- To propose a Joint European Coastal Mapping Programme (JECMaP)

liverables

Every 2 months : progress report

After 6 months : first version of portal on-line

After 9 months : interim report

After 18 months : final version of portal on-line +
inal report + executive summary of final report

After 20 months : stakeholder workshop

eetings

Kick-off : 24th June 2015

Specification review (M3) : WP1 + WP2/3 –during
MODnet Jamboree (21-22/10/2015)

Portal (M5) : W49(Dec)/2015 – WP1

Algorithm (M7) : W05(Feb)/2016 – WP2/3 + WP1

interim (*M13*) : W23(Jun)/2016 – WP2/WP3

interim (M15) : M10/2016 – WP2/WP3

inal (M17) : M12/2016 – Brussels – All/directors

Stakeholder (M20) : 02/2017 – To be defined

Thank you!