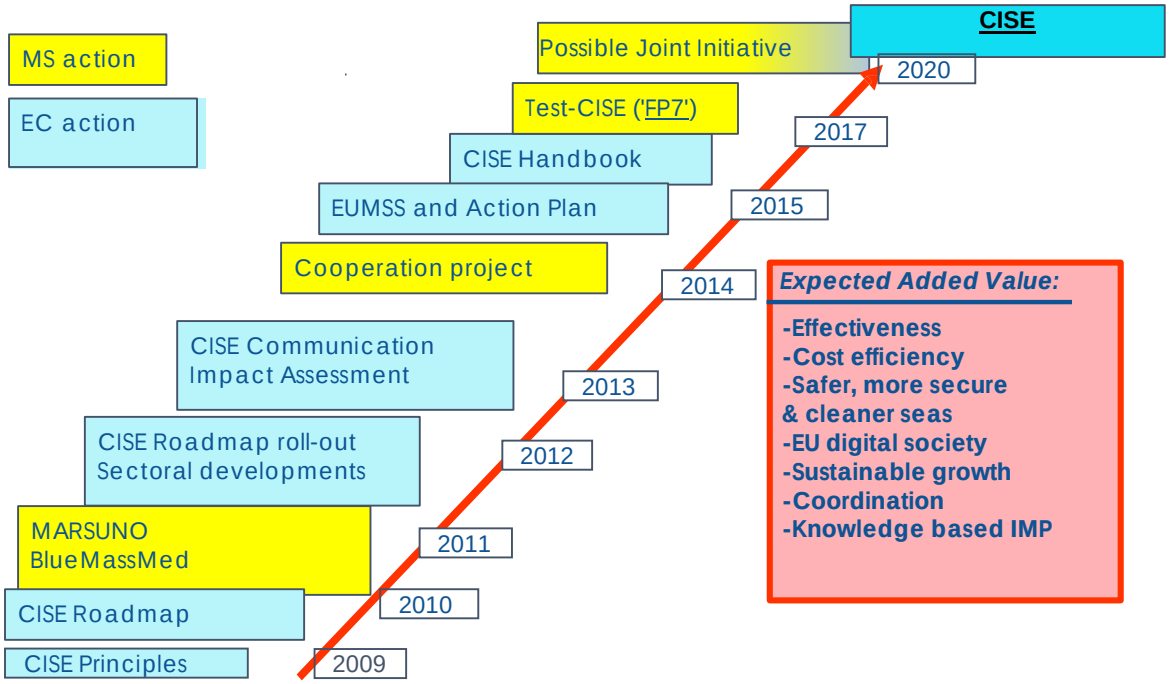
The EUCISE2020 project

(EUropean test bed for the maritime Common Information Sharing Environment in the 2020 perspective)

P. Sacco, 16/01/2018

EUCISE2020 received funding from the European Union's seventh framework programme under grant agreement no: 608385

Cross – Sectorial interoperability for better "Maritime Governance"



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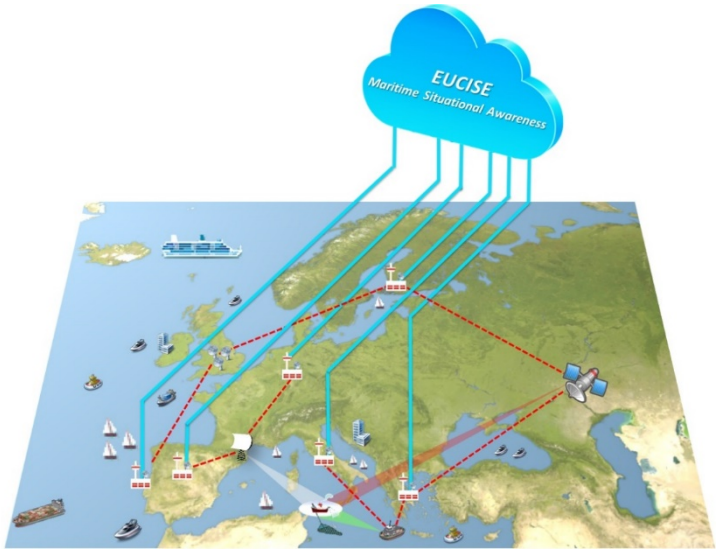
- EUCISE is the prototype aimed at the **operative validation of CISE** (*Pre-Operational Validation*)**.**
- It is not a new legacy system, but a **service platform** able to ensure the interoperability among the legacy systems of **different nations and different sectors** of MSA based on agreed roles and rules.



- EUCISE2020 will allow information exchange till the **EU RESTRAINT** level

The project aims at:

- Improving the harmonisation of **intersectorial maritime awareness**
- Ensuring the Member States / Nations the direct control in the management of the information shared through the **CISE intersectorial node/ national nodes**

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- ASI: project coordinator
- 38 partners
- 15 EU/EEA maritime Countries
- Open to new partners and to collaborations with EU Agencies

- ★ Maritime Authorities
- ◆ Experts
- ● Research Institutions

More than 40 maritime administrations

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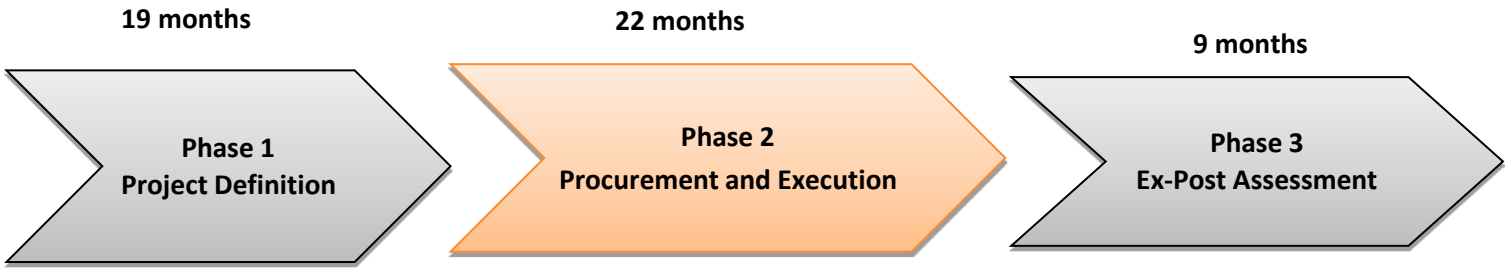

CLOSED

ON-GOING

Phase 1 - Initial Definition Phase (CSA)
Phase 2 - Preparatory and Execution Phase (CP/RTD)
Phase 3 - Ex-Post Assessment (CSA)

Starting date: December, 1°, 2014
Total duration: 45 months

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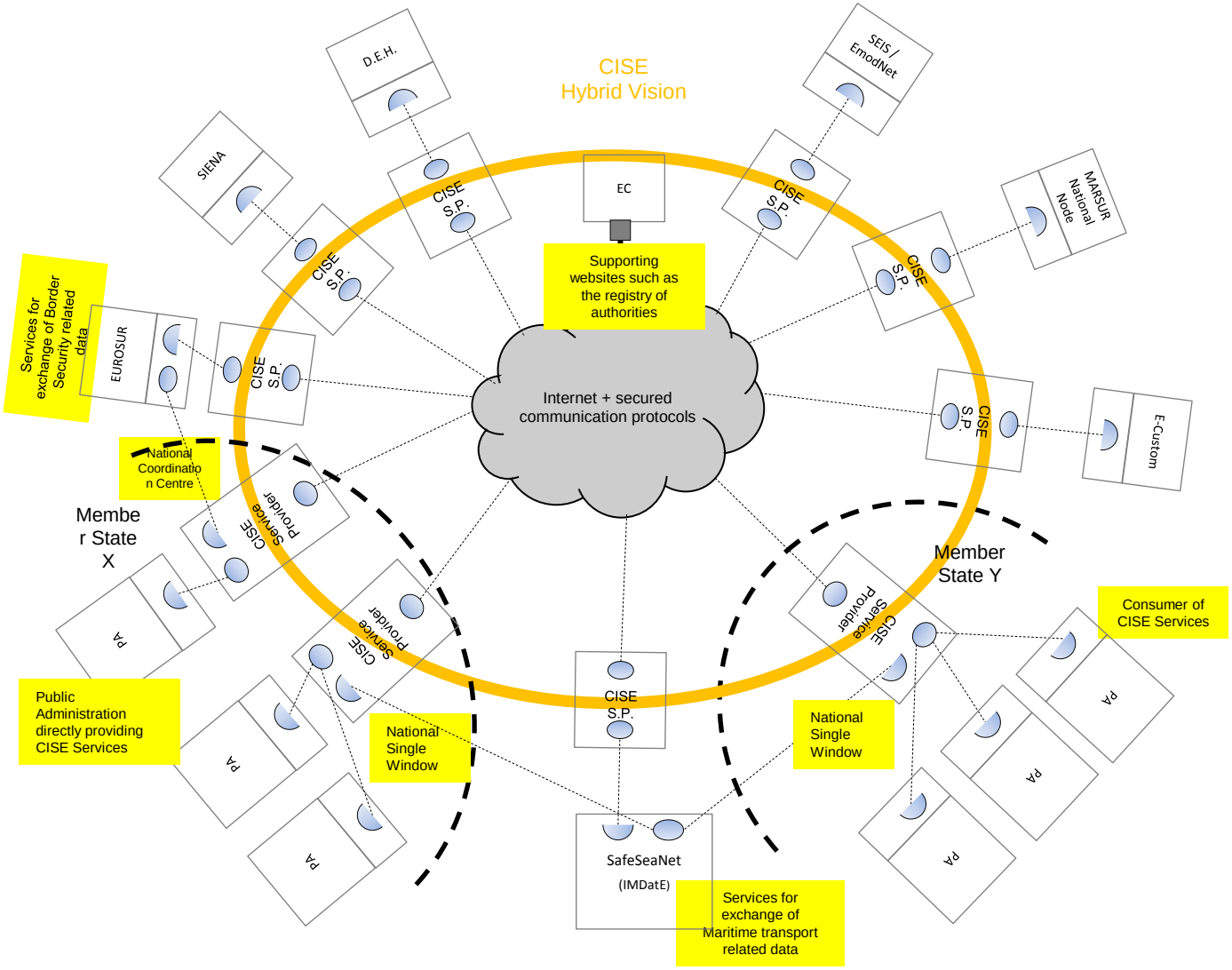

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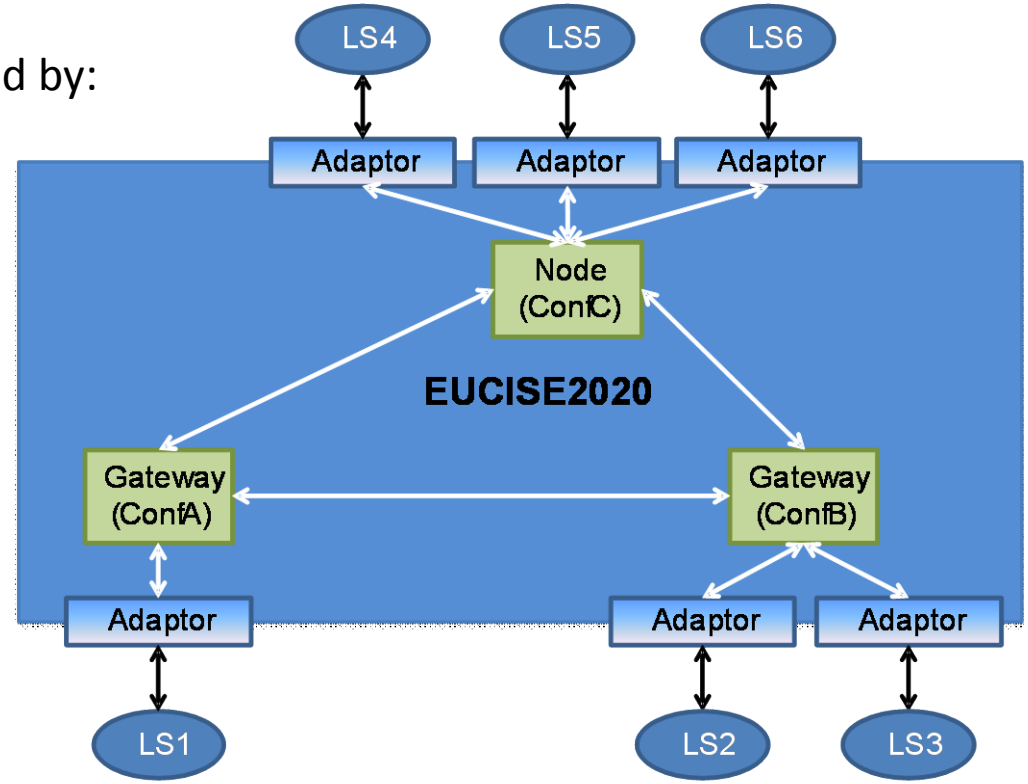
➢ The **EUCISE2020** network is composed by:

- ✓ **Gateway A:** node of the network which presents the basic services (core, common & collaborative) on behalf of a single legacy system.
- ✓ **Gateway B:** node of the network which presents the basic services (core, common & collaborative) on behalf of more national legacy systems.
- ✓ **Node C:** node of the network which presents the basic services (core & common) and the advanced ones (light client, data fusion) on behalf of more national legacy systems
- ✓ **Adaptor:** translator of legacy system' data and service model into EUCISE2020 data and service model



- ✓ **Legacy System:** national system belonging to at least one of the 7 application domains of MSA (Defence, General Law Enforcement, Marine Environment, Customs, Fisheries Control, Border Control, Maritime Safety and Security)

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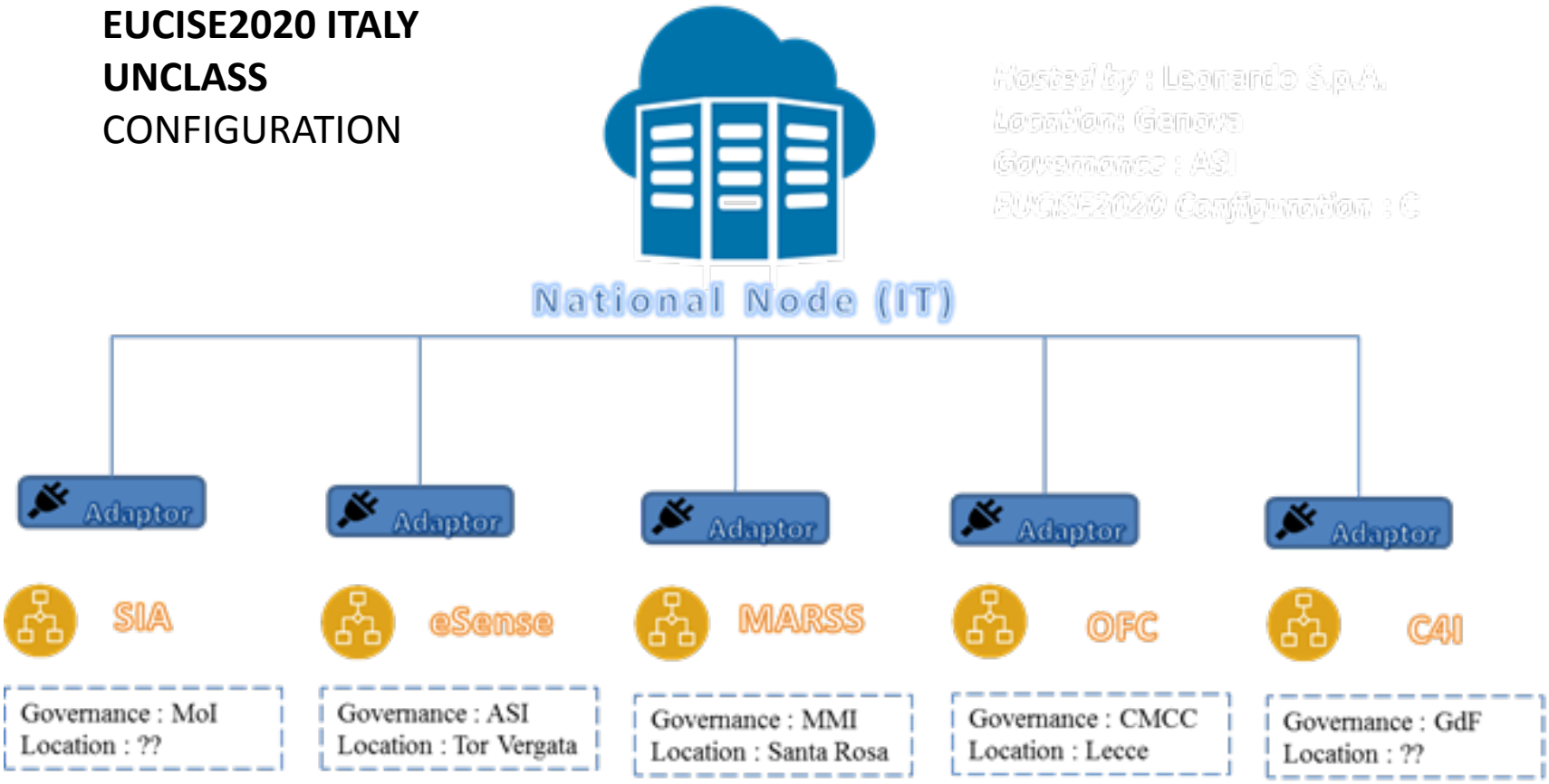
EUCISE2020 ITALY
UNCLASS
CONFIGURATION



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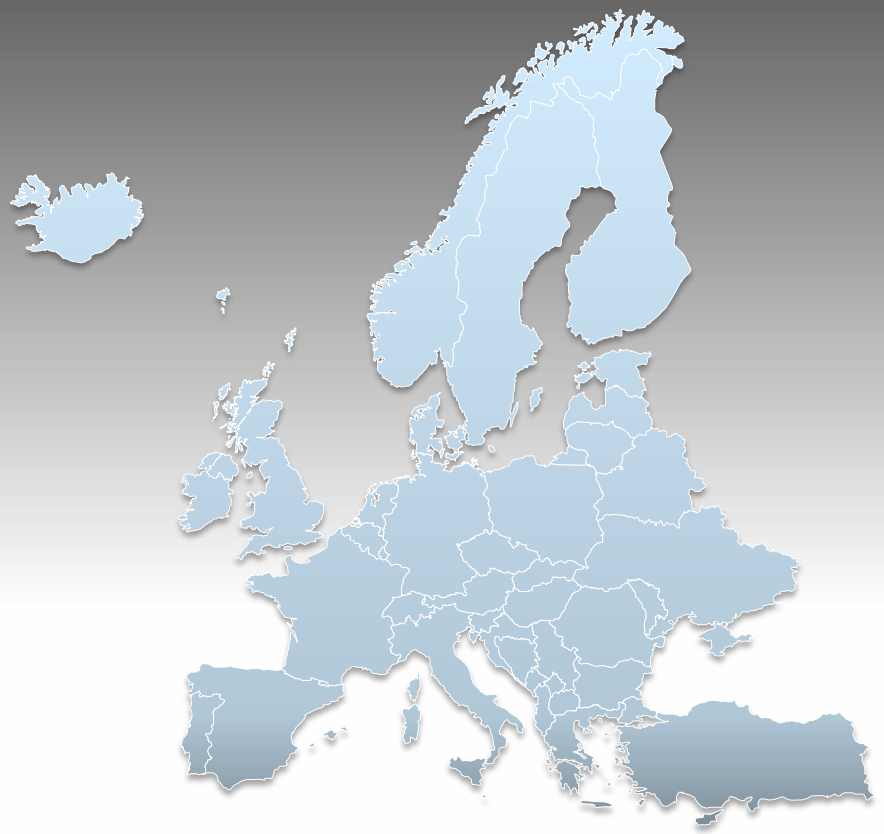
Demonstration phase



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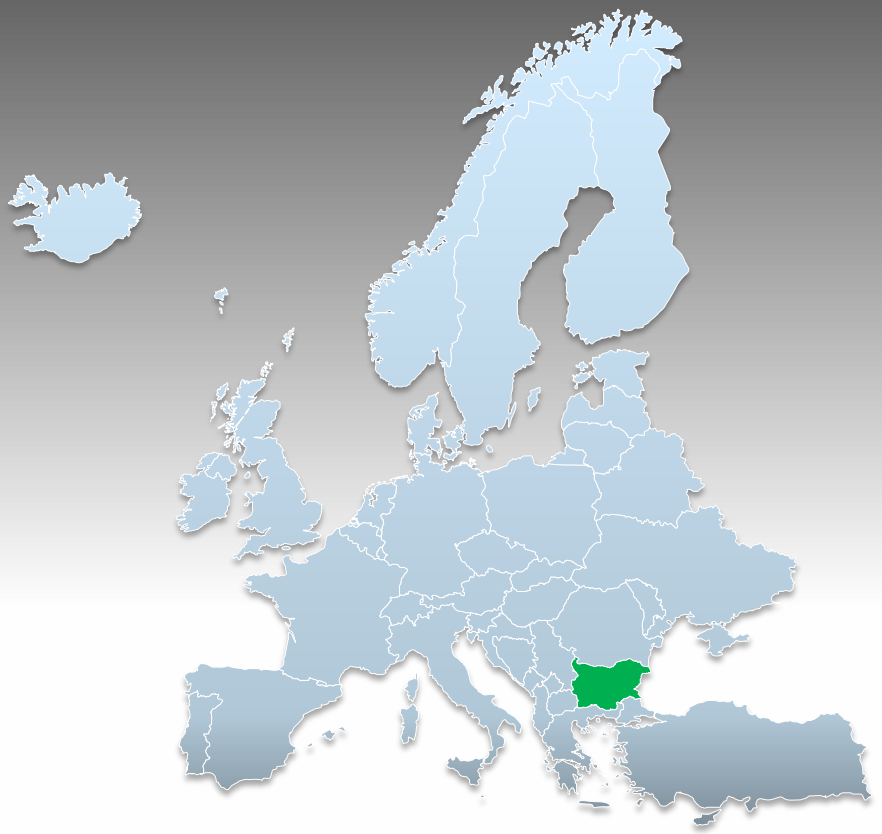
Demonstration phase

Bulgaria



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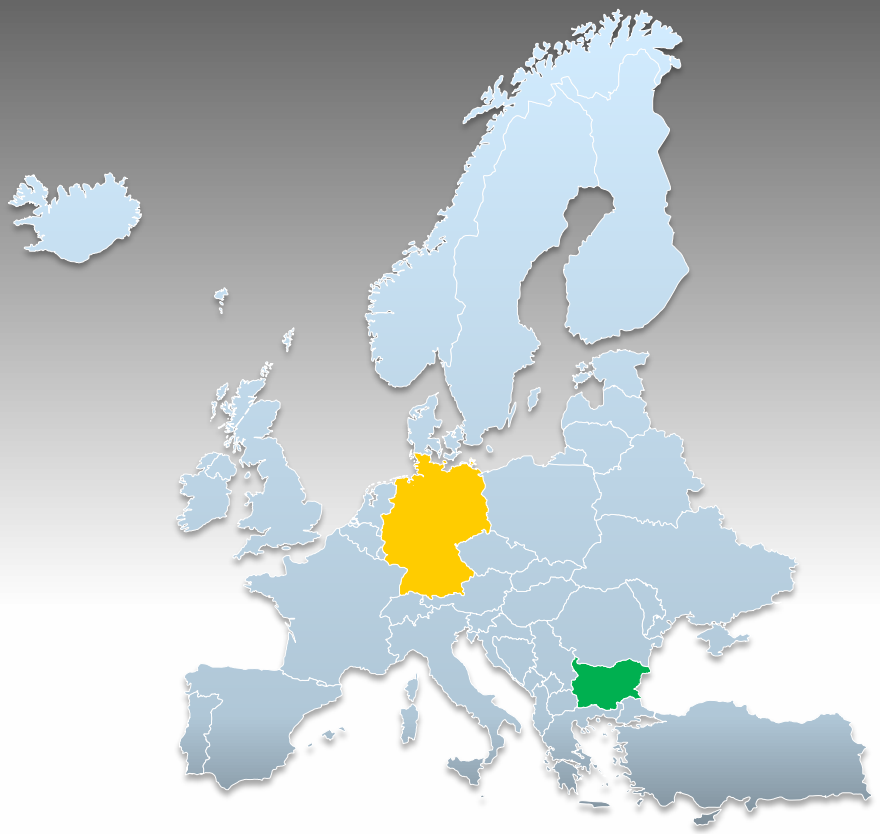
Demonstration phase

Bulgaria

Germany



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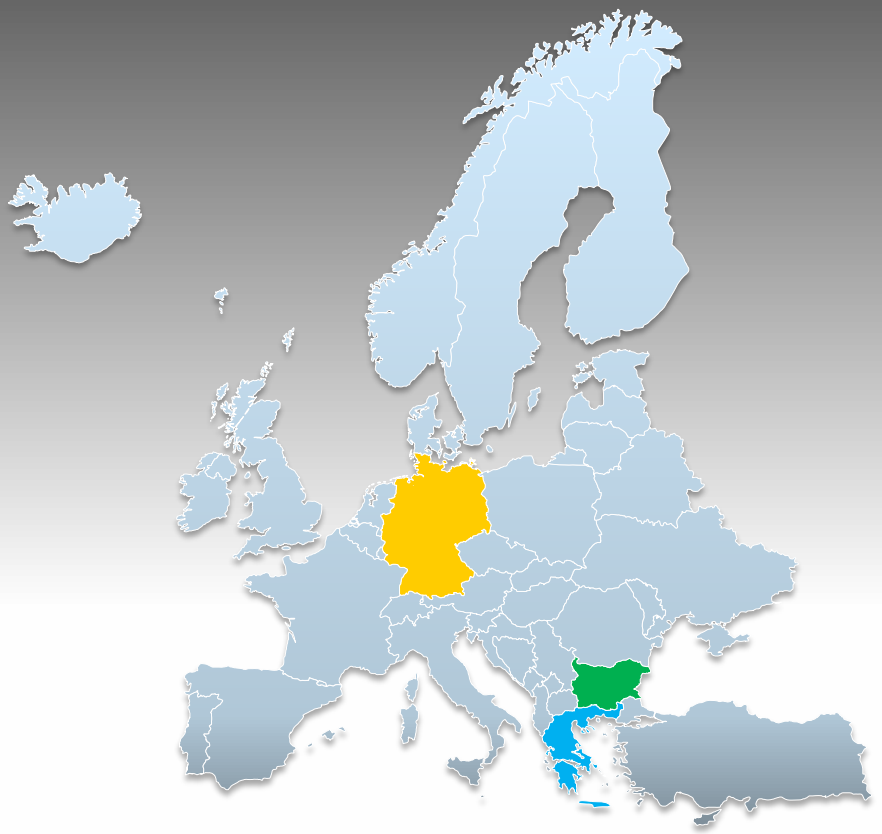
Demonstration phase

Bulgaria

Germany

Greece



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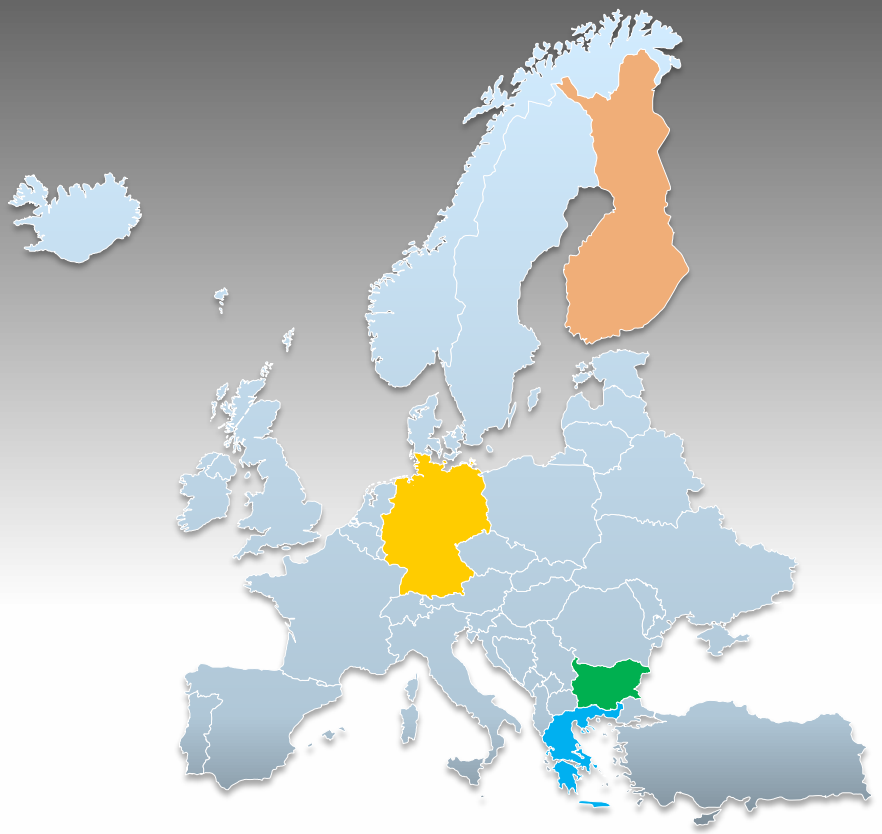
Demonstration phase

Bulgaria

Germany

Greece

Finland



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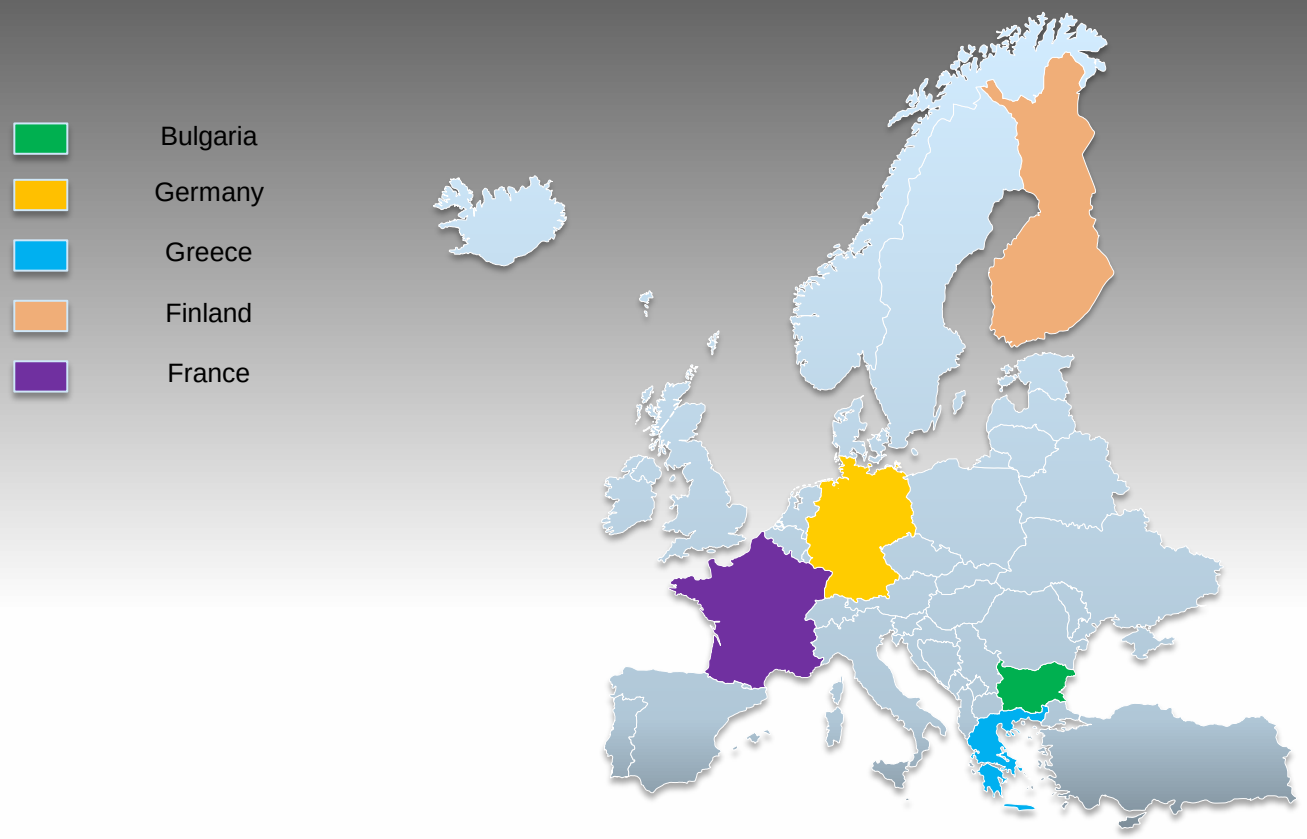
Demonstration phase



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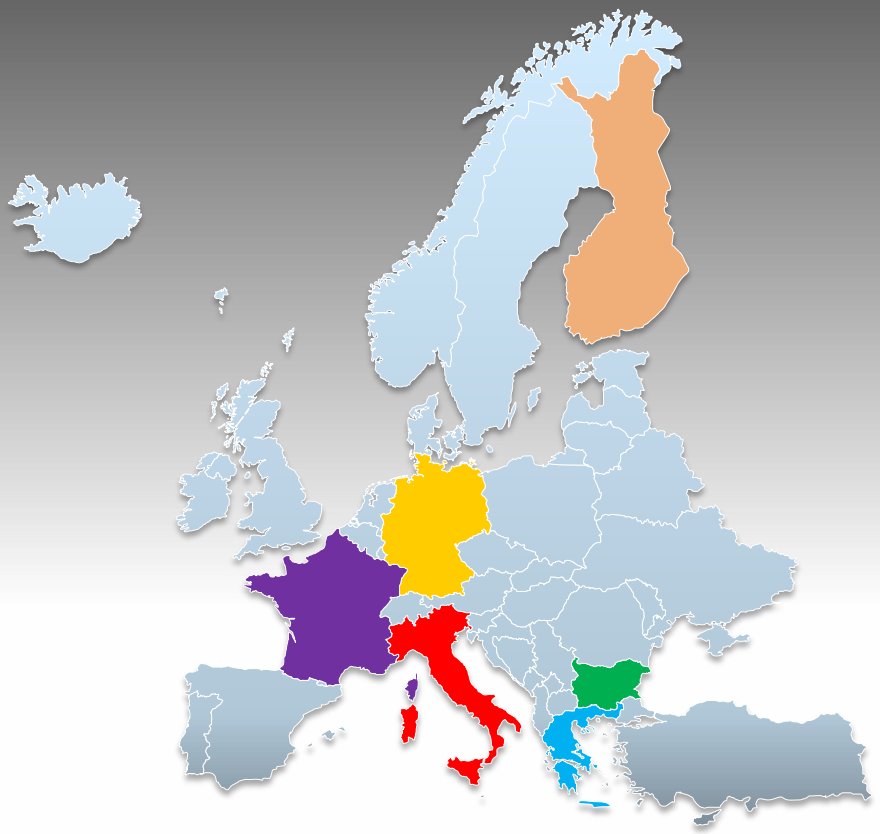
Demonstration phase

Bulgaria
Germany
Greece
Finland
France
Italy



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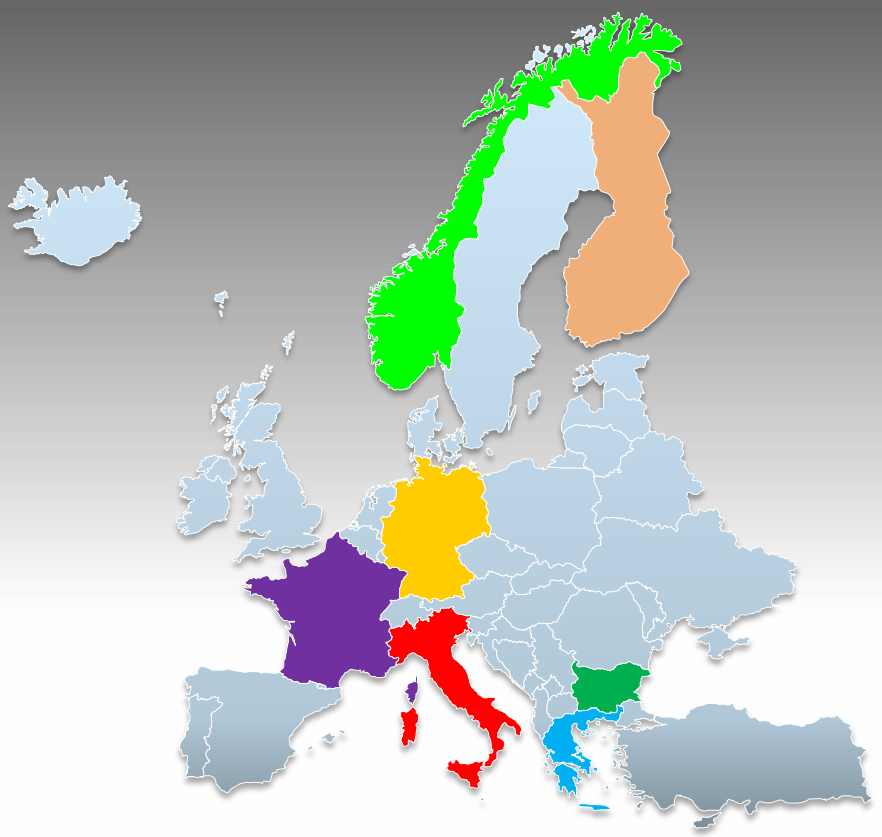
Demonstration phase

- Bulgaria
- Germany
- Greece
- Finland
- France
- Italy
- Norway



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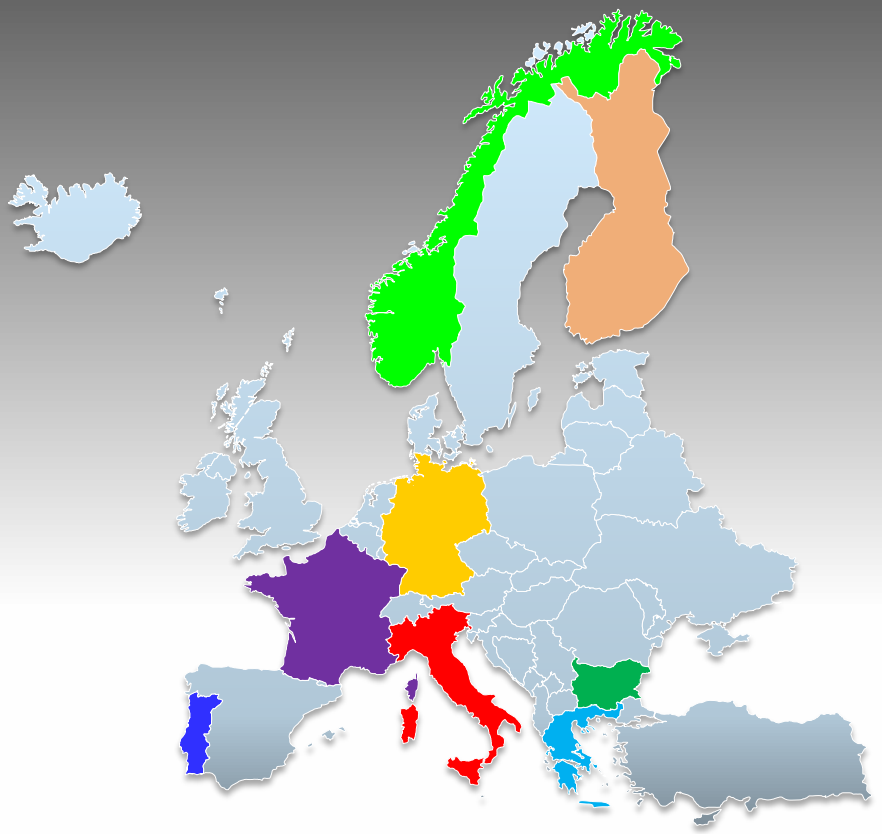
Demonstration phase

- Bulgaria
- Germany
- Greece
- Finland
- France
- Italy
- Norway
- Portugal



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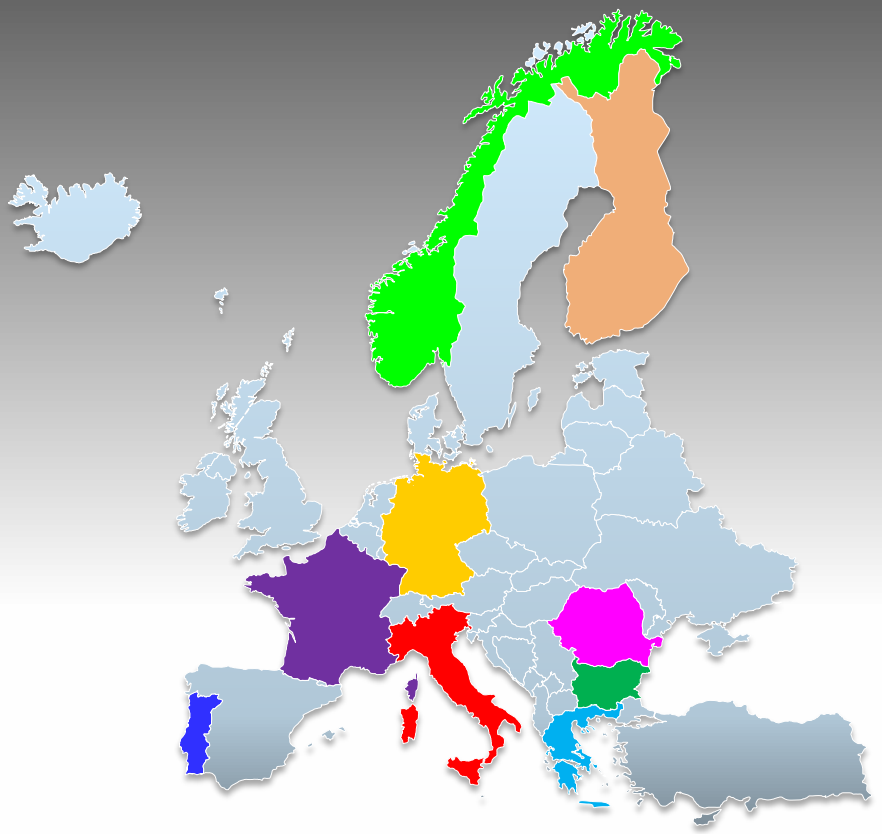
Demonstration phase

- Bulgaria
- Germany
- Greece
- Finland
- France
- Italy
- Norway
- Portugal
- Romania



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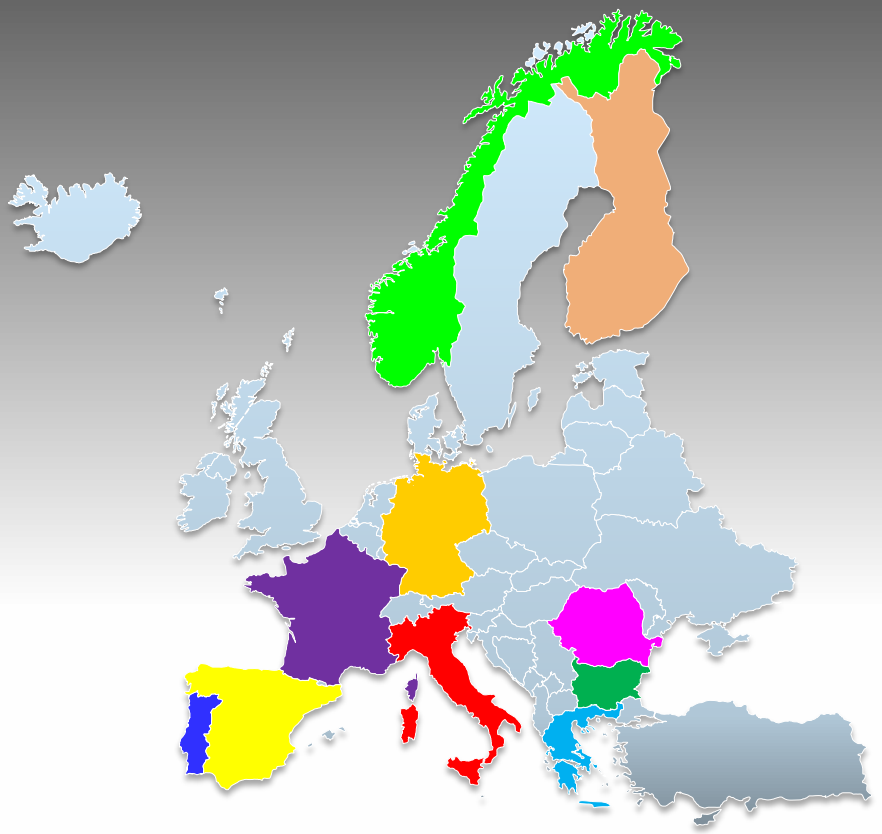
Demonstration phase

- Bulgaria
- Germany
- Greece
- Finland
- France
- Italy
- Norway
- Portugal
- Romania
- Spain



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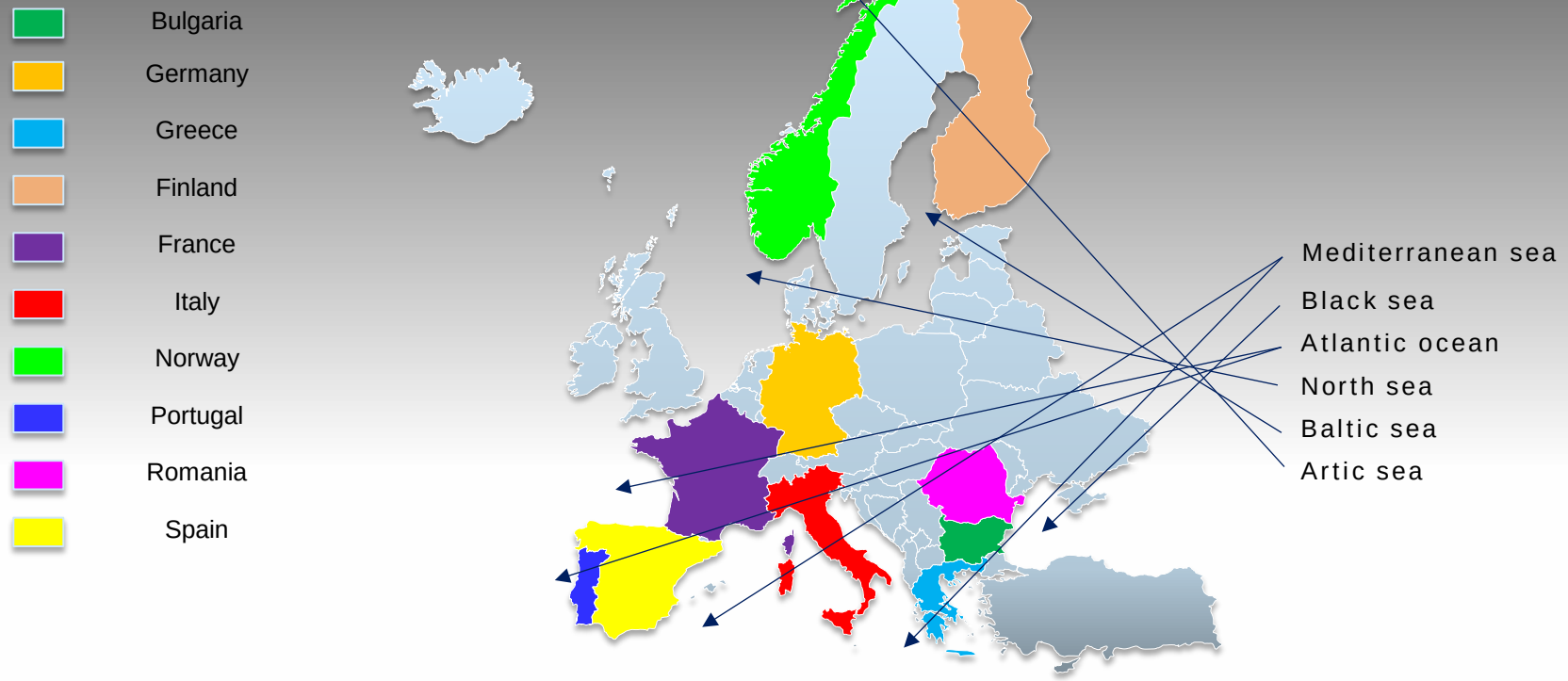
Demonstration phase



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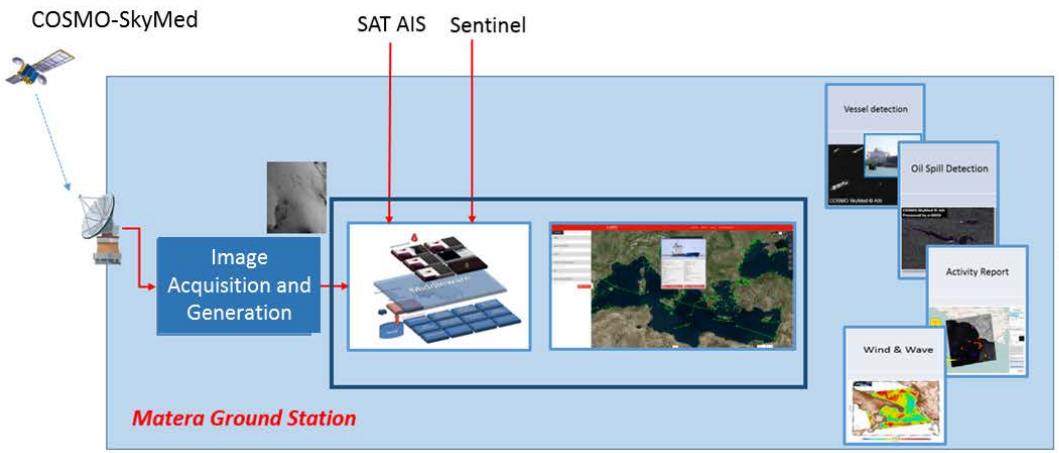
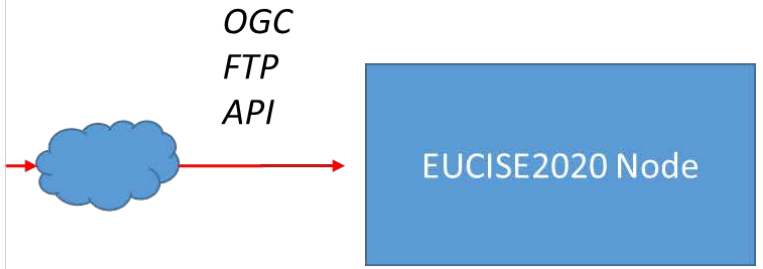
Satellite services





UNCLASSIFIED Node (Open Data)	
1	Vessel detection
2	Oil Spill
3	Wind & Wave
4	Image Quicklook

CLASSIFIED Node (Restricted Data)	
1	Change detection

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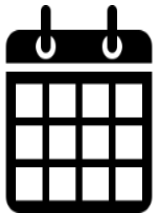
23/05/16 – 30/06/16

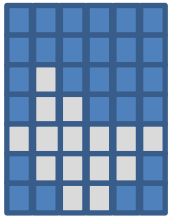


Miles observed
21600 nmi^2

RADAR images acquired
at least 3/day

87 CSK StripMap
19 CSK Spotlight

Spatial resolution
1m-3m



Reports produced
104

Target detection

AIS vessels
10

Non AIS vessels
1163

Oil spill
14

Vessel Classification

A (>100m)
14%

B (50m - 100m)
17%

C (20m – 50m)
29%

D (<20m)
40%

- ✓ Such space assets provide involved authorities and end-users with an enhanced situational awareness
- ✓ End-users confirmed this kind of data to be unique and the related information non available through other sensors
- ✓ Similar and even better results are expected in the EUCISE2020 project
- ✓EUCISE2020 has also the potential to create important market opportunities worldwide for the European industry

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THANKS FOR ATTENTION

patrizia.sacco@asi.it

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