

EMSA Integrated Maritime Data Environment – IMDE

Overview and Status – 20/10/10

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Satellite based monitoring services

Presentation Overview

1. IMDE Drivers
2. Conceptual View
3. Project Status
4. Future activities

IMDE Drivers



1. Legal framework:

- Council decisions to integrate LRIT and AIS data
- Maritime Integrated Policy
- COM communication on CISE
- COM communication on Marine Knowledge
- EMSA WP 2011 / EMSA 5 years strategy plan

2. Technical Framework for:

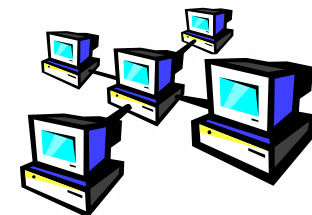
- Moving towards a Service Oriented Architecture
- Improved internal and external data exchange
- Increased flexibility (easy to configure the business logic)
- Common ITC hosting platform for all systems

3. Data Rationalisation (Definition of application & enterprise level data, minimising duplications and inconsistencies, standard canonical internal formats, storage approach, etc.)

4. Development of a **Satellite AIS Data Processing Centre**

5. Deployment of new **Added Values Services** – Maritime Surveillance, Integrated Ship Profile, Area Centric Service etc...

IMDE Key Functionalities



1. Ingestion and Data Exchange

2. Data Processing

- Configurable data processing engine -> data fusion, correlation, and enrichment

3. Data Management and Dissemination

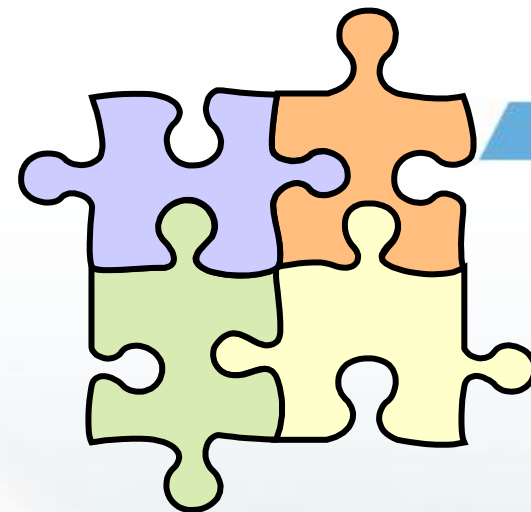
- Archive and Storage
- System-to-System interface

4. Web User Portal (WUP)

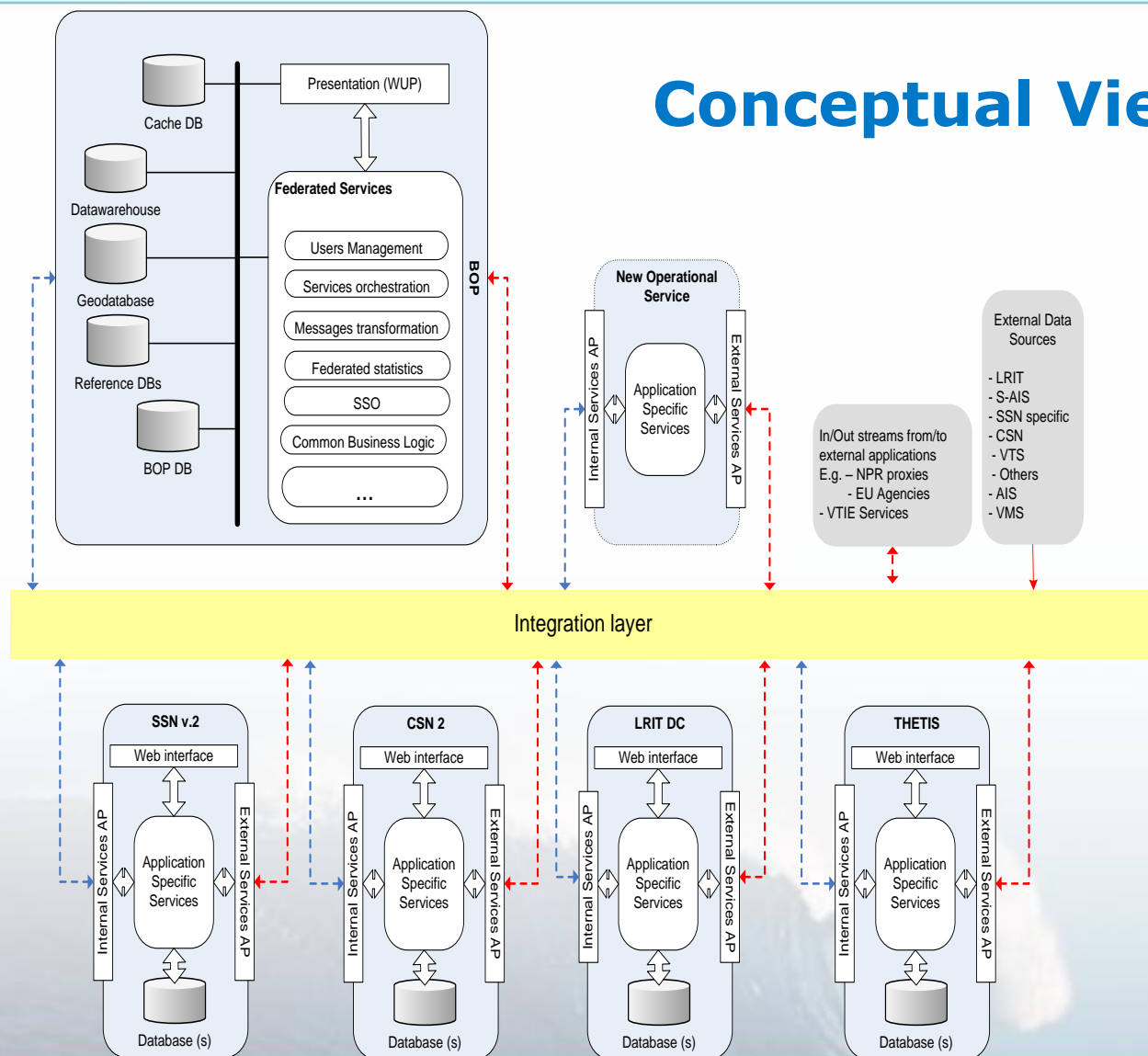
- Ship tracking and EO image display
- Combined views
- Alerting

5. Federated Services

- User Management, Application monitoring, Statistics



Conceptual View

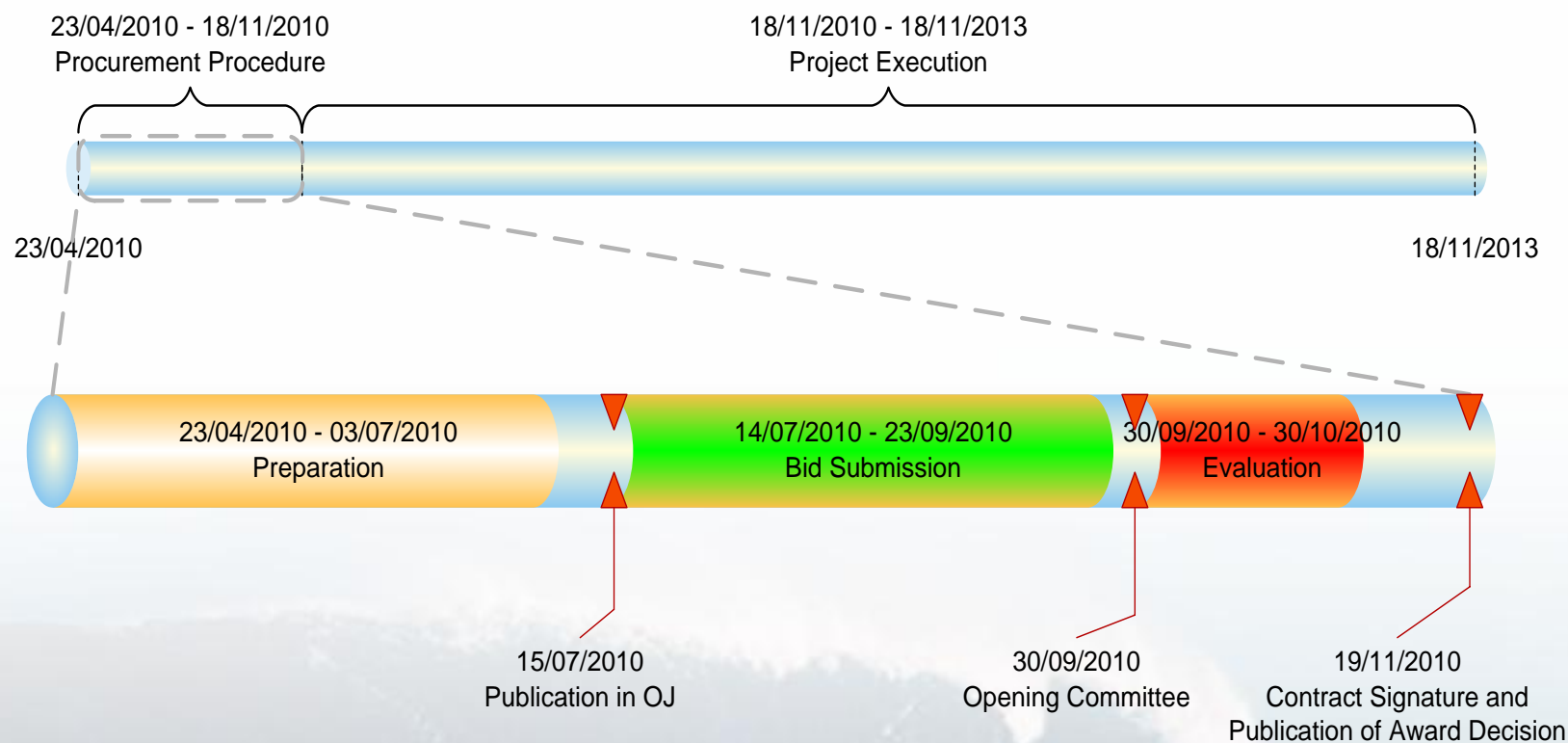


Tender Structure

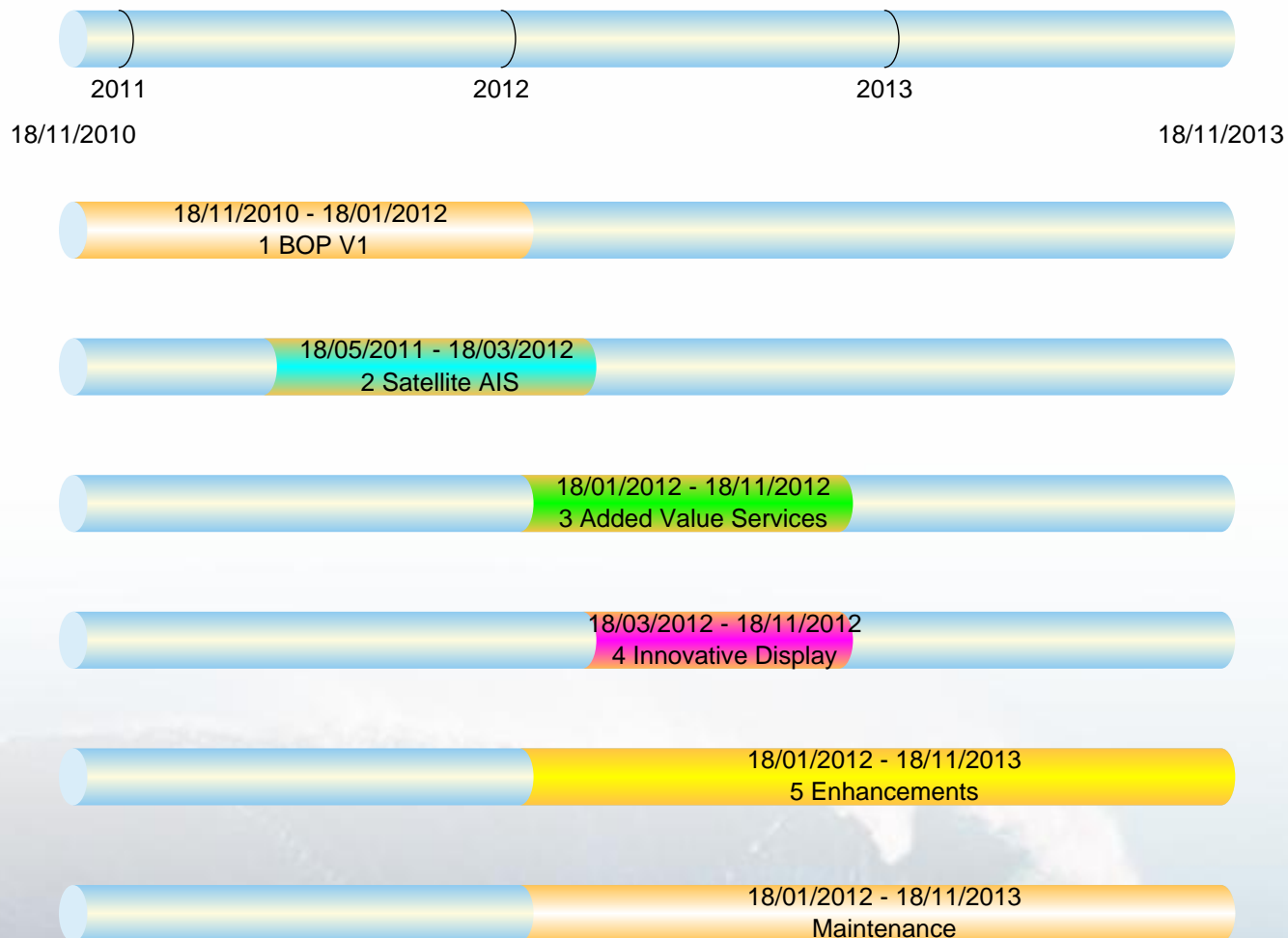
- 1. Module 1 – Technical Framework development and deployment**
- 2. Module 2 – Satellite AIS Data Processing Service**
- 3. Module 3 – Value Added Services**
 - Maritime Surveillance, Integrated Ship Profile, etc.
- 4. Module 4 – Innovative WUP**
 - 3D visualisation, video files, Google Maps
- 5. Module 5 – Enhancements**
- 6. Module 6 - Maintenance**



Procurement Procedure Status



Project Execution Timeline



- Thank You -

Any feedback – user requirements are appreciated

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