

IMDatE project Status Update

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IMDatE development background

- Council LRIT decisions to integrate LRIT and AIS data
 - Oct 2007 – “12. AGREES that LRIT and AIS information are complementary and, therefore, **agrees to progress**, in the context of the EU AIS Master Plan, **towards an integration of these two systems; STRESSES that synergies should be identified with other existing or developing ship identification and tracking systems;**”
 - Dec 2008 – “10. INVITES the Commission and the Member States, in the context of the EU Master Plan for the Automatic Identification System (AIS), **to continue working to achieve the availability of integrated LRIT and AIS data** through the SafeSeaNet system and to report on this work and on the use of the SafeSeaNet system for sharing information.”
- DIRECTIVE 2009/17/EC on VTMISS - Processing and management of maritime safety information – “Where appropriate, the Commission shall contribute to the **development and operation of systems for collecting and disseminating data relating to maritime safety**,.....”;
“.....SSN networks shall be used to distribute amongst MSs, with an appropriate level of security, the LRIT information”.

- **COM communication on CISE (Oct 2009)** – *"The Community system SafeSeaNet should be used by all relevant user communities and **be developed further to function as the main platform for information exchange in the EU maritime domain with regard to port arrival and departure notifications, notifications on dangerous goods, maritime security notifications, incident and accident information, AIS, LRIT and pollution monitoring.**"*
- **EMSA WP 2010**
*"The maritime information systems may have to be reviewed to enable the dissemination of information to other EU bodies and Agencies for the purposes of Maritime surveillance. Several **actions will be taken internally to strengthen the capabilities to combine maritime information** coming from different sources."*
- **EMSA WP 2011**
*"The information produced by these systems **will be integrated** in a variety of combinations,.....The range of data sources available, or potentially available, includes terrestrial and satellite AIS, LRIT, satellite imaging, coastal radar, ship-borne radar, vessel monitoring systems, and additional data provided by Member States. **During 2011, and extending into 2012, the Agency will integrate and combine this data, where available, through the Integrated Maritime Data Environment (IMDatE).**"*

Project time-table

- IMDatE contract was signed on 10th of December 2010
- Project Kick-Off: **15 December 2010**
- Project Duration: **36 months**

Module 1 – Technical development

Module 2 – S-AIS DC

Module 3 – Added Value Services

- Integrated Ship Profile

- Area Centric services

- MarSurv services

- Common Maritime

Space monitoring

Module 4 – Innovative display

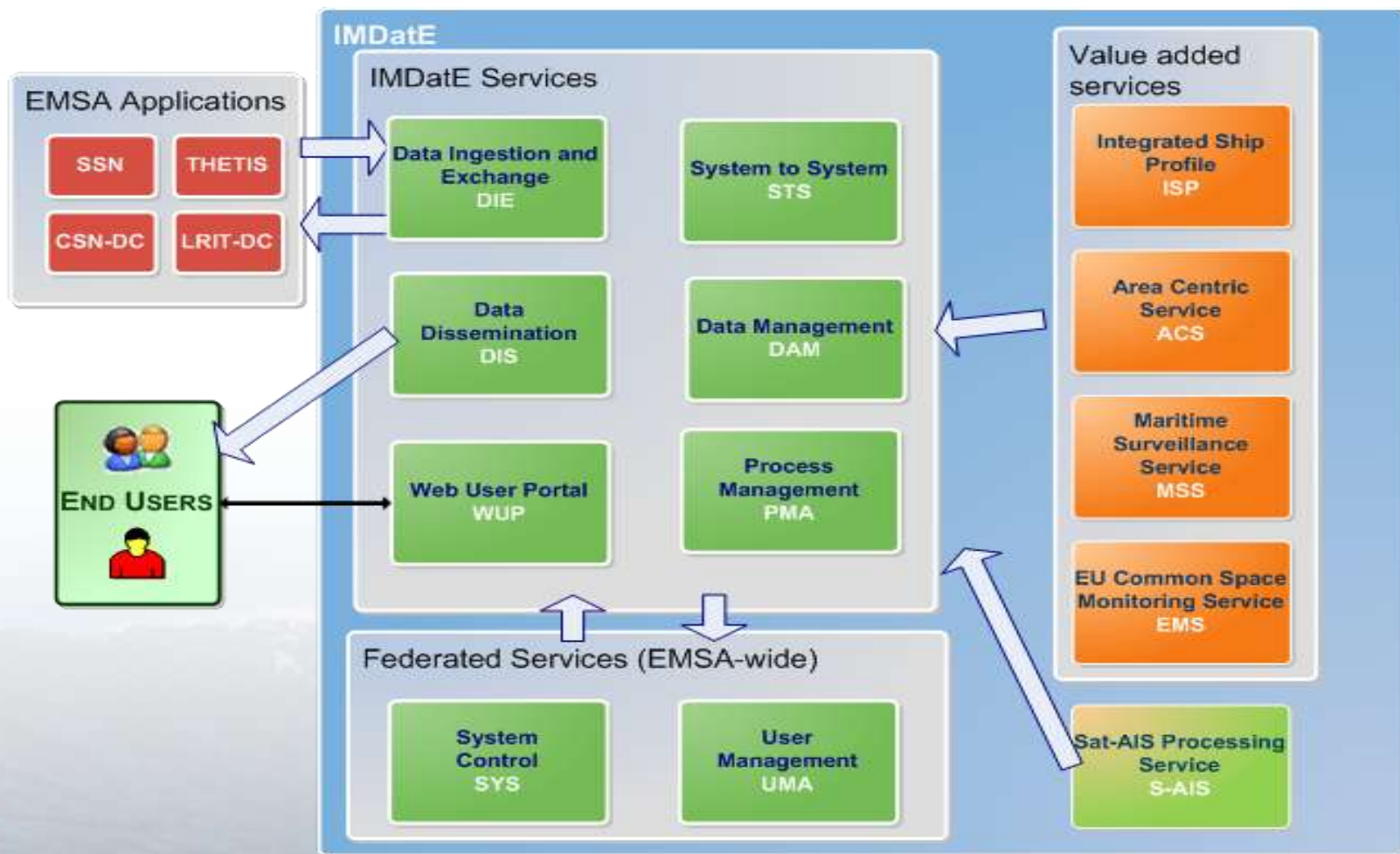
Module 5 - Enhancements



Project Status update

- Preliminary Design Review (PDR) phase was performed on 22-23 March 2011 defining the approach towards the following integrated services:
 - Concept of permanent surveillance vs. lookout surveillance
 - Area Of Interest, Time Of Interest, Vessels Of Interest
 - Surveillance configurability and user access rights
 - Near Real Time data stream and Fused Data Stream
 - Routine correlation process and handling ship detected data
 - Capability of adding ad-hoc external information sources
 - Behaviour Analysis paradigm
 - Alert types and formats
 - Data access rights

- The PDR although outlined the main architectural modules of the IMDatE platform, as depicted in the picture below



Next steps

- Next milestone is the Critical Design Review (CDR) scheduled for 25 of May;
- Back-to-back with the CDR we will have the KOM for starting Module 2 – S-AIS DC;
- 1st Q-2012 delivery of first system prototype, including S-AIS DC;
- End of 2012 – full integration of services and new User Interface with enhanced (integrated) functionalities;

IMDatE NCAs meeting

- EMSA propose a dedicated IMDatE meeting with MSs end of September to:
 - Describe the system;
 - Start collecting MSs requirements for integrated services;

THANK YOU !

European Maritime Safety Agency

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