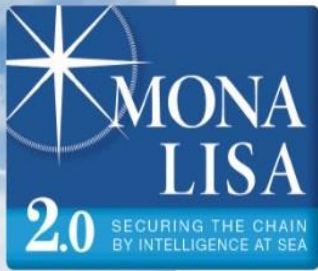


# MONALISA 2.0 project

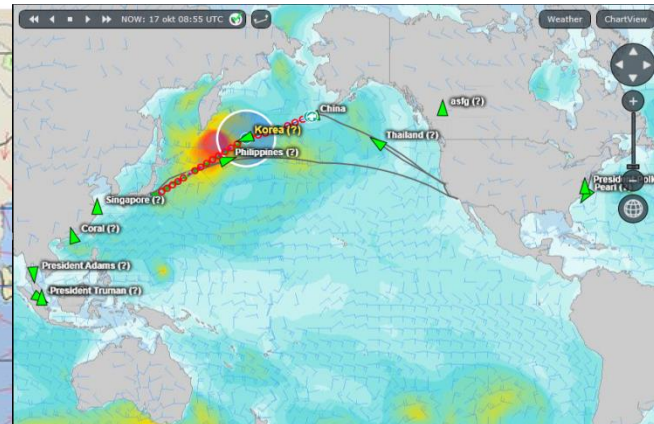
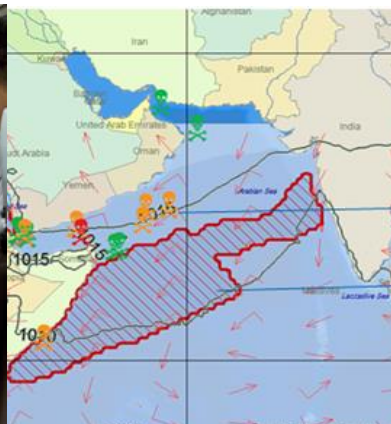


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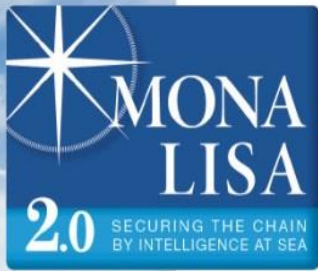


# MONALISA 2.0 was kicked off fall 2013

MONALISA 2.0 takes the results and experiences from the MONALISA project.



2.0



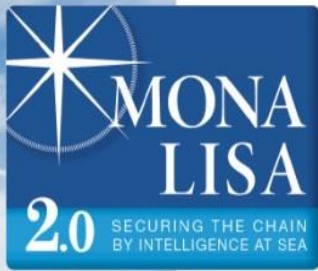
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- Act. 1 – Sea Traffic Management Operations and Tools;
- Act. 2 – Sea Traffic Management Definition Phase Study;
- Act. 3 – Safer Ships;
- Act. 4 – Operational Safety.

2.0





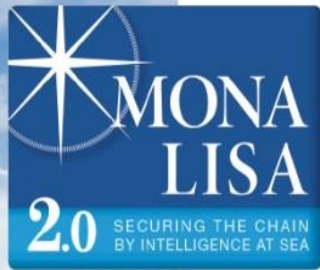


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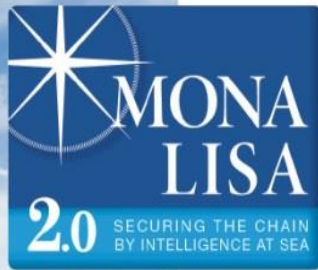




- 1.1 Baseline for the activity;
- 1.2 STM Standard Operating Procedures and Human Machine Interface;
- 1.3 STM Common Technical Protocol;
- 1.4 Extended Test-bed;
- 1.5 Shore-based Deep Sea Assistance;
- 1.6 Integration of tools for decision support, route planning and anomaly detection;
- 1.7 Further integration of Maritime Spatial Planning in Dynamic and Proactive Route planning;
- 1.8 Conceptual test and demonstration;

2.0

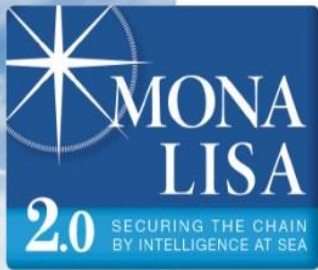




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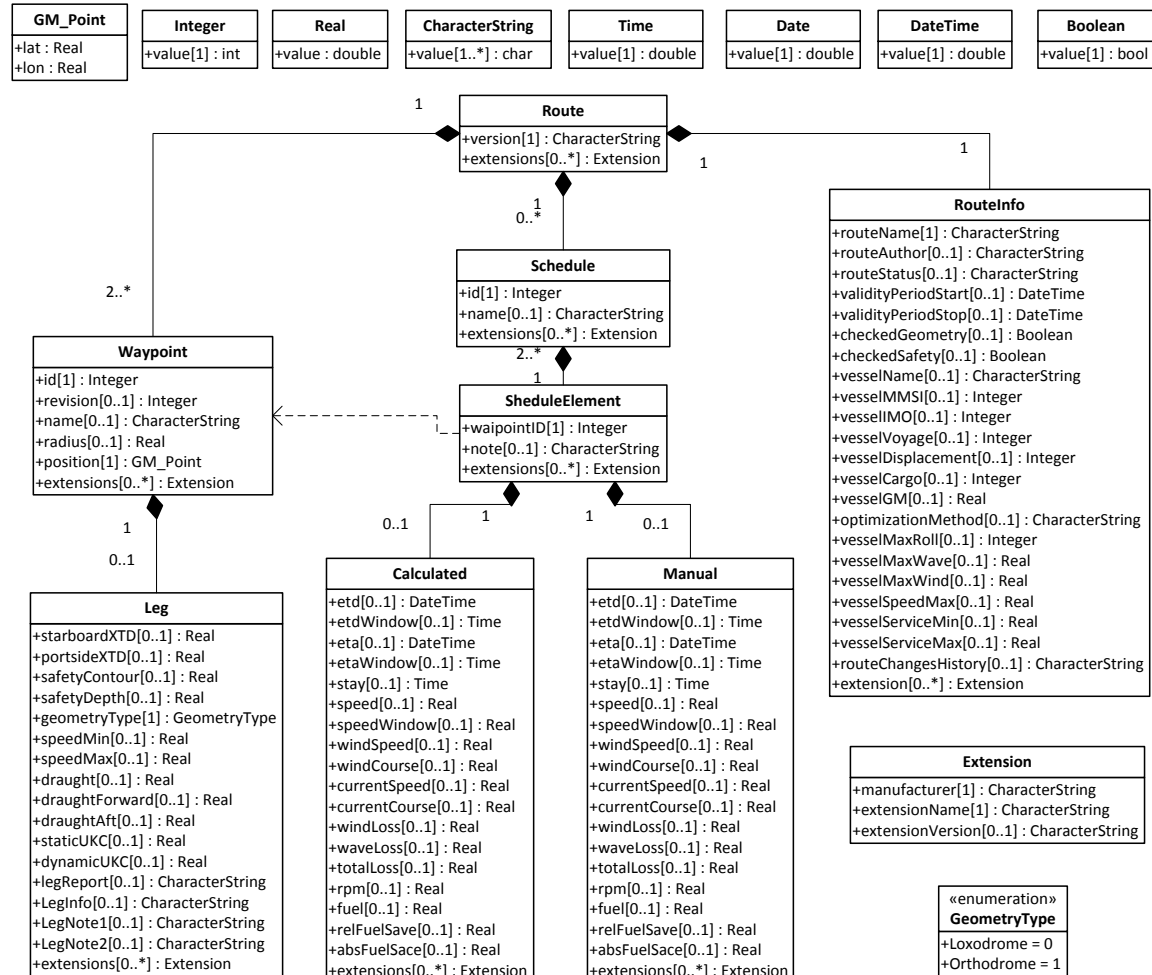
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### 1.3 STM Common Technical Protocol

In parallel with the ongoing work in IEC TC80/MT7 (IEC61174 ed4), the MONALISA 2.0 team is working on further development of effective route and voyage plan exchange between marine stakeholders.

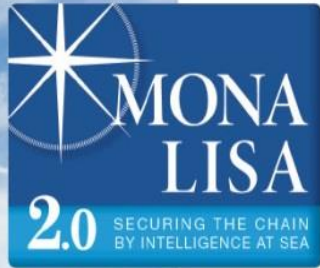


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## 1.6 Integration of tools for decision support, route planning and anomaly detection;



The sub-activity aims to further develop the route optimization platform developed in MonaLisa 1, which has up to now been developed towards the management of environmental concerns such as lowering emissions and keeping vessels out of environmental protection areas.

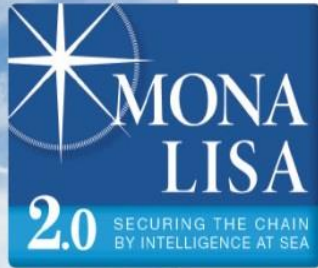
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## 1.7 Further integration of Maritime Spatial Planning in Dynamic and Proactive Route planning



This sub-activity aims to integrate environmental sensitivity data and dynamic route planning within Maritime Spatial Plans. In each of three focus areas; the Baltic, Norwegian and Mediterranean Seas, extensive datasets on environmental sensitivity exists.

We had a small subgroup meeting this week, and concluded that the next step involves developing a data model containing Marine Protected Areas, elements of ENC data model plus some additional, to be developed, data models for tourism.

Aquaculture
Bird areas
Cultural heritage
Energy distribution (pipelines & cables)
Energy production (wind farms)
Extraction of seabed material
Fisheries
Military
Natura 2000 areas
RAMSAR sites
Shipping
Spawning grounds
Tourism
UNESCO sites
Whale areas

2.0

