VTMIS
Vessel Traffic Monitoring and Information System

**Funding:** National (Croatia)
**Duration:** May 2008 - Nov 2008
**Status:** Complete with results

**Background & policy context:**
Vessel Traffic Monitoring and Information System is technical, legal and institutional setup facilitating systematic monitoring of vessel movements and their physical and information tracking, improvement of safety of navigation and life protection in rescue operations, risk reduction of the ship accidents and reduction of all types of dangerous situations, improvement of search and rescue service and reduction of the sea pollution risks and coordination of the cleaning action in case of accidents.

Vessel Traffic Monitoring and Information System is going to collect all the necessary information on maritime traffic through different sensors, thus making possible to process, analyse, display in real time, store and replay all collected data, to share and distribute such information to the competent national and international authorities and institutions.

**Objectives:**

**Methodology:**
The project will be provided in following steps:
- Analysis of existing Integral Information System
- Analysis of present cargo traffic patterns and volumes
- Analysis of data flow
- Estimation of future service needs
- Data structure
- Technical arrangements for database

**Other funding sources:** Ministry of the Sea, Transport and Infrastructure

**Organisation:** Ministry of the Sea, Transport and Infrastructure
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**Key Results:**
On the basis of the analysis of the existing IT solutions and existing documentations and studies, covering detailed technical design and appropriate baseline legal, administrative, organizational and institutional solutions Vessel Traffic Monitoring and Information System has been developed as a System that will provide Information service, Navigational Assistance service, Traffic Organization service and can be based on:
• RADAR subsystem
• RDF subsystem
• AIS subsystem
• METEO subsystem
• Geometronics (or Electronic Cartography)
• TVCC subsystem
• PMIS subsystem - port management information system

Documents:
- Establishment of the CVTMIS.pdf

**STRIA Roadmaps:** Network and traffic management systems

**Transport policies:**
Societal/Economic issues, Environmental/Emissions aspects, Safety/Security, Digitalisation, Deployment planning/Financing/Market roll-out

**Geo-spatial type:** Other