USPOSTAVA HRVATSKOG SUSTAVA NADZORA I UPRAVLJANJA POMORSKIM PROMETOM

ESTABLISHMENT OF THE CROATIAN VESSEL TRAFFIC MONITORING AND INFORMATION SYSTEM

REPUBLIC OF CROATIA
MINISTRY OF SEA, TRANSPORT AND INFRASTRUCTURE
Maritime Transport, Maritime Domain and Ports Directorate
Capt Mario Babić, assistant minister

Zagreb, 8 April 2008

WHAT IS VESSEL TRAFFIC MONITORING AND INFORMATION SYSTEM ?

VTMIS is a complex telematic and IT system as well as organizational and legal setup established with the aim of:

- efficient management and monitoring of maritime traffic,
- raising safety of life at sea (reduction of casualties),
- improving efficiency of search and rescue operations at sea,
- contributing to prevention and detection of pollution from ships,
- enabling exchange of information on national, regional and EU level (e.g. SafeSeaNet)
- improvement of investigation of maritime accidents and pollution incidents,
- facilitating more efficient maritime transport services

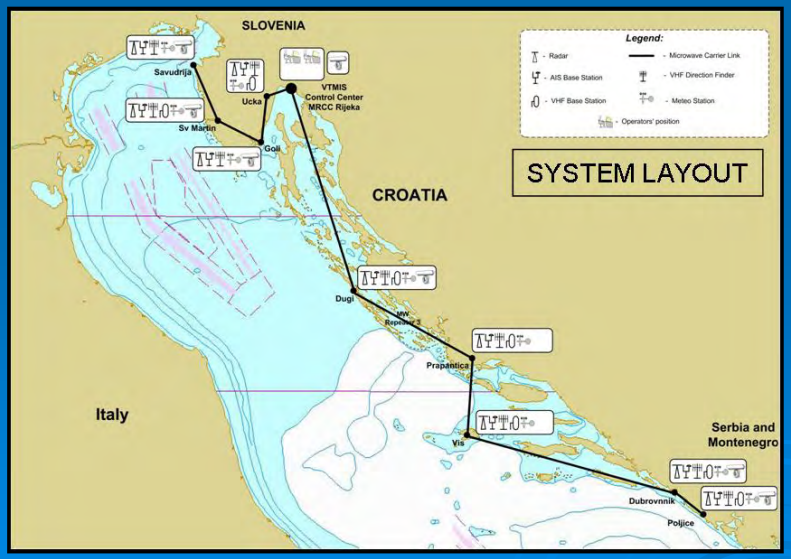
BACKGROUND

The establishment of the Vessel Traffic Monitoring and Information Systems (VTMIS) is conceived and based on the:

- Commission White Paper on the European transport policy
- Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system
- Chapter V of the SOLAS Convention
- IALA Guidelines and recomendations
- Pre-accession Maritime Transport Strategy of the Republic of Croatia (2005)
- VTMIS Development Strategy (2005)

BACKGROUND IN NUMBERS

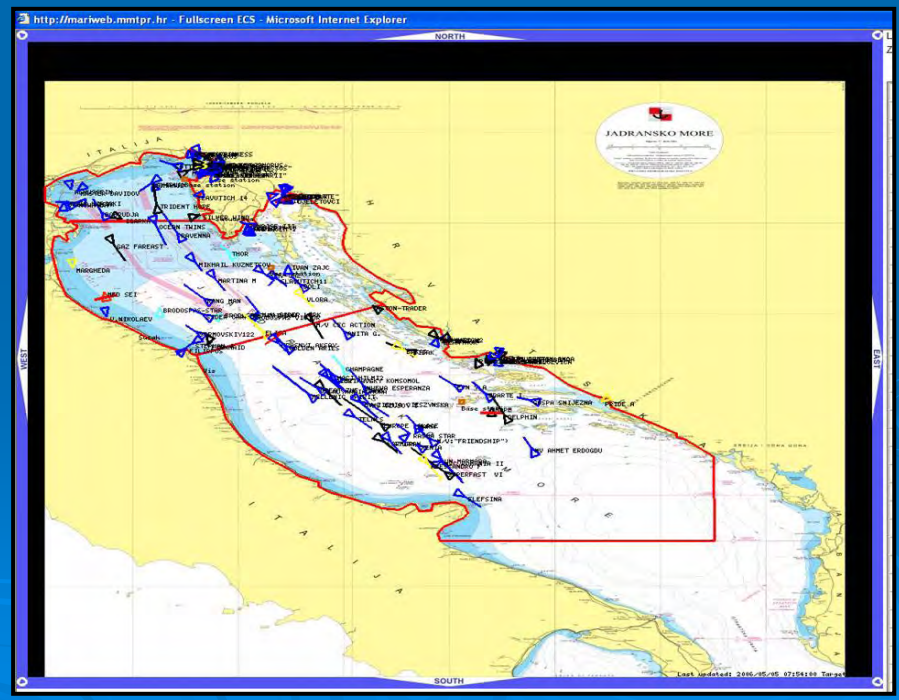
- average **7000** ships in international trade call at Croatian ports
- **539** yachts and **103.945** boats registered in Croatia
- During year Croatia visited by **54000** foreign yachts
- average **7000** HAZMAT ships pass through Adriatic sea every year en route to Croatian and Slovenian Ports
- average **300** search and rescue operations performed in Croatia every year
- cca **70 million** tons of oil carried by ships through Adriatic sea every year
- average **90** Paris MoU's Black list ships enter Croatian ports
- In last 15 years **174** larger maritime accidents reported (m/v „Cavtat; m/v „Brigitta Montanari)
- total average quantity of oil spilled every year in the Adriatic would form a **1228** sqare km oil slick
- sea passage from Otranto to Port of Trieste is **460 NM** long and the maritime traffic through this area is dense

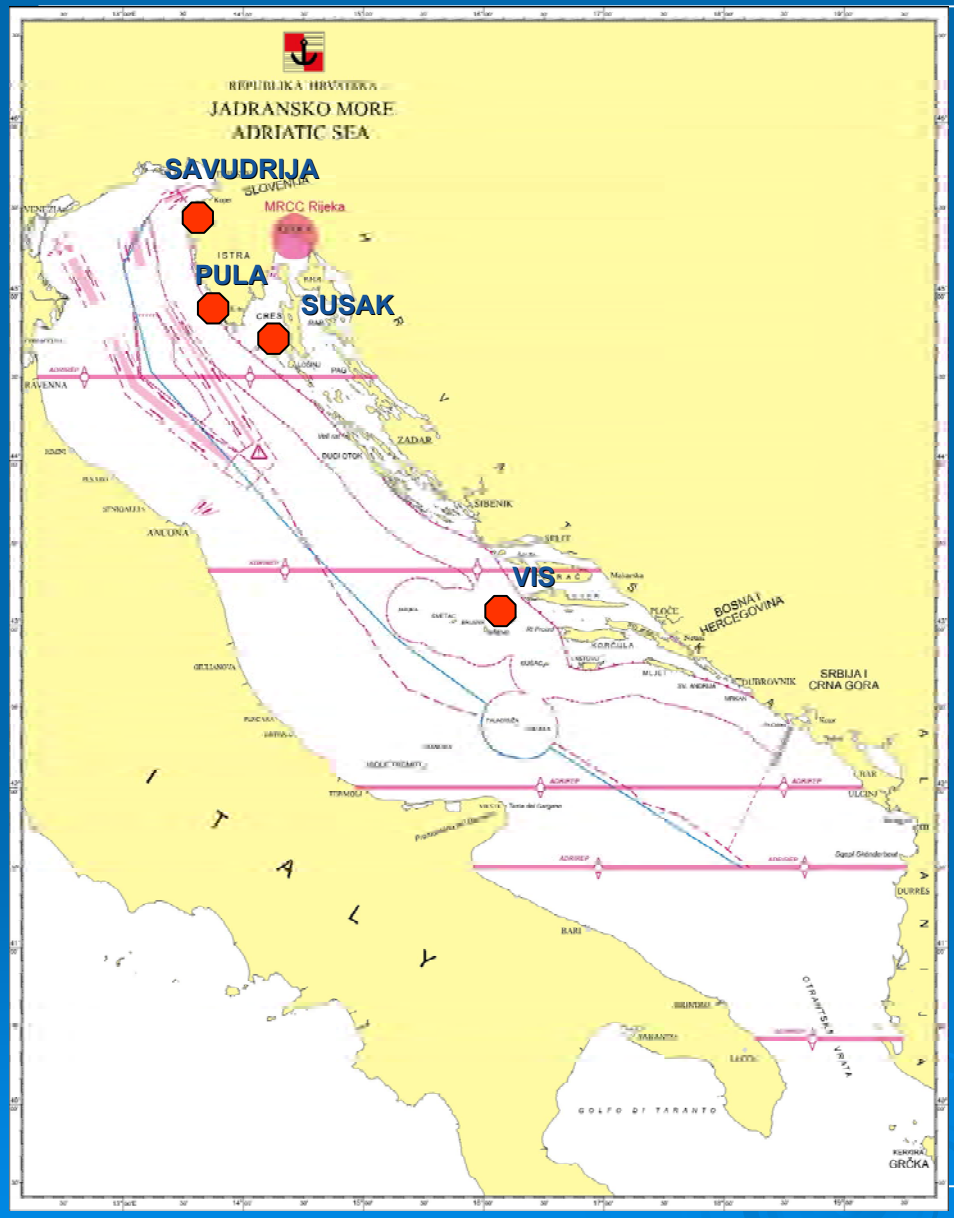


TECHNICAL ASPECTS OF VTMIS

VTMIS consists of at least:

- Automatic Identification of Ships System
- Maritime Radar System
- Maritime Radio-communications System
- Information system





EXISITING MEASURES AND SYSTEMS

- MRCC – Rijeka
- Ships Reporting System in the Adriatic (ADRIREP)
- Traffic Separation Scheme Northern Adriatic

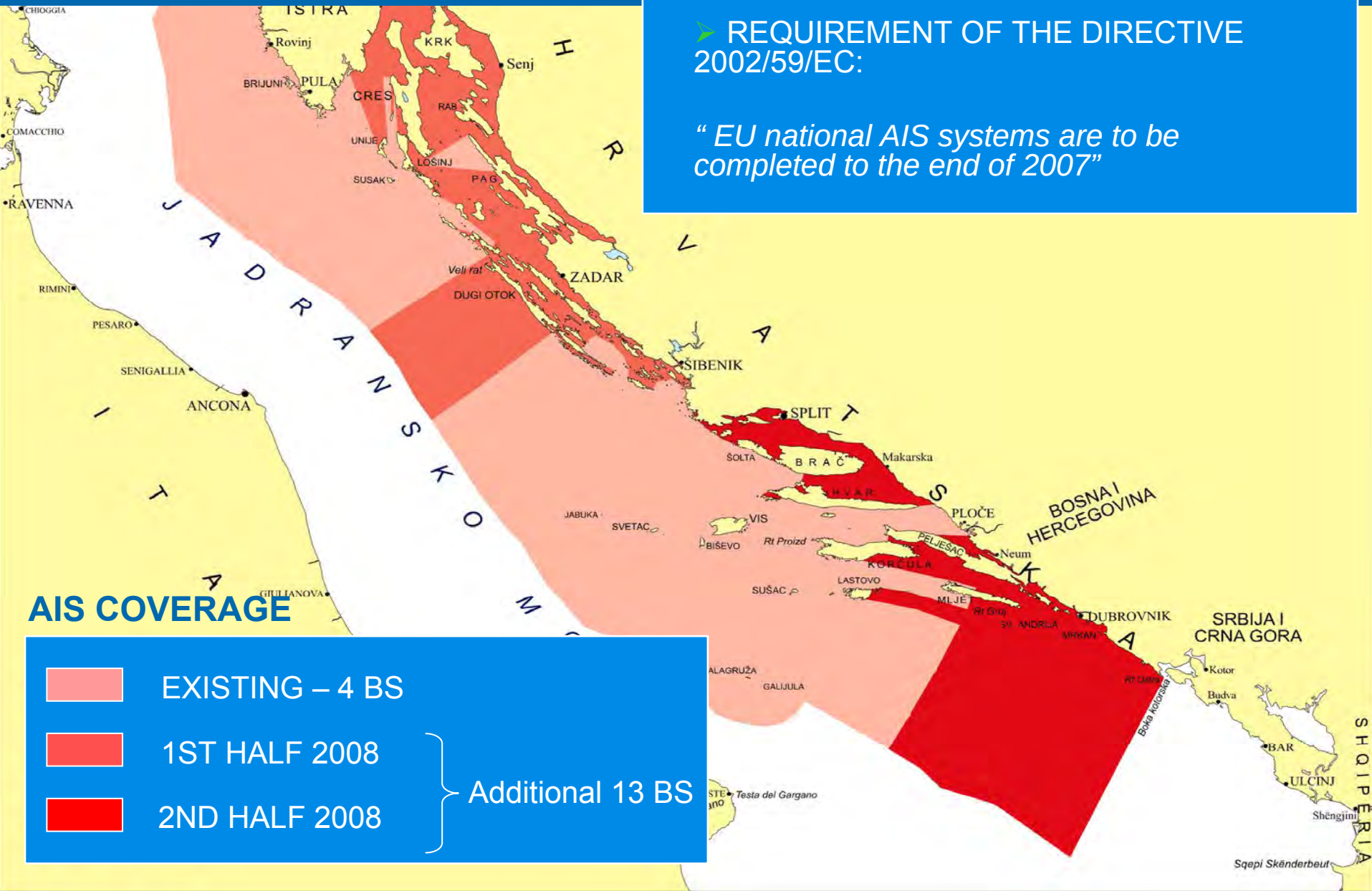
- AIS:
  - **2 BS** operational in 2005 **:** Mid Adriatic (Vis Island), West Coast of Istria (Savudrija)
  - **2 BS** o**perational in 2006:** West Coast of Istria (Pula) and and Island Susak

- MoU Republic of Croatia and Italian Republic for the establishment of a Common Vessel Traffic Service in the Adriatic Sea, *Ancona 19 May 2000.*

AUTOMATIC IDENTIFICATION OF SHIPS SYSTEM (AIS)

- REQUIREMENT OF THE DIRECTIVE 2002/59/EC:

" EU national AIS systems are to be completed to the end of 2007"



AIS COVERAGE

- EXISTING – 4 BS
- 1ST HALF 2008
- 2ND HALF 2008

Additional 13 BS

LEGAL ACTIVITIES RELATED TO IMPLEMENTATION OF AIS

Harmonization with Directive 2002/59/EC in 2007:

• new Technical Rules → stipulate the obligations for fitting of all Croatian ships with AIS

• new Ordinance on the conditions and method of maintaining order in ports and on other parts of internal waters and the territorial sea of the Republic of Croatia → obligations for ships calling at Croatian ports to be fitted with AIS

Project “Maritime safety: Enforcement of administrative capacity - monitoring and management of vessels- PHASE I “

PROJECT PURPOSE
Enhancement of administrative and technical efficiency of Maritime Administration in monitoring and management of vessels with a special regard to vessels carrying dangerous and polluting goods.

FINANCING
• PHARE 2005: 1 million Eur EU financing

DURATION: 2006- 2009

CURRENT ACTIVITIES IN PHARE 2005:

• INSTITUTIONAL CAPACITY BUILDING
→ FINLAND-ITALY-CROATIA Twinning Project
→ Contract value: 600.000 Eur

• INTEGRAL CROATIAN VESEL TRAFFIC MONITORING AND INFORMATION SYSTEM STUDY
→ consortium THETIS spa- Rina Industry- D’Appolonia
→ Contract value: 386.000 Eur

Project “Maritime safety: Enforcement of administrative capacity - monitoring and management of vessels- PHASE II“

PROJECT PURPOSE
Enhancement of administrative and technical efficiency of Maritime Administration in monitoring and management of vessels with a special regard to vessels carrying dangerous and polluting goods.

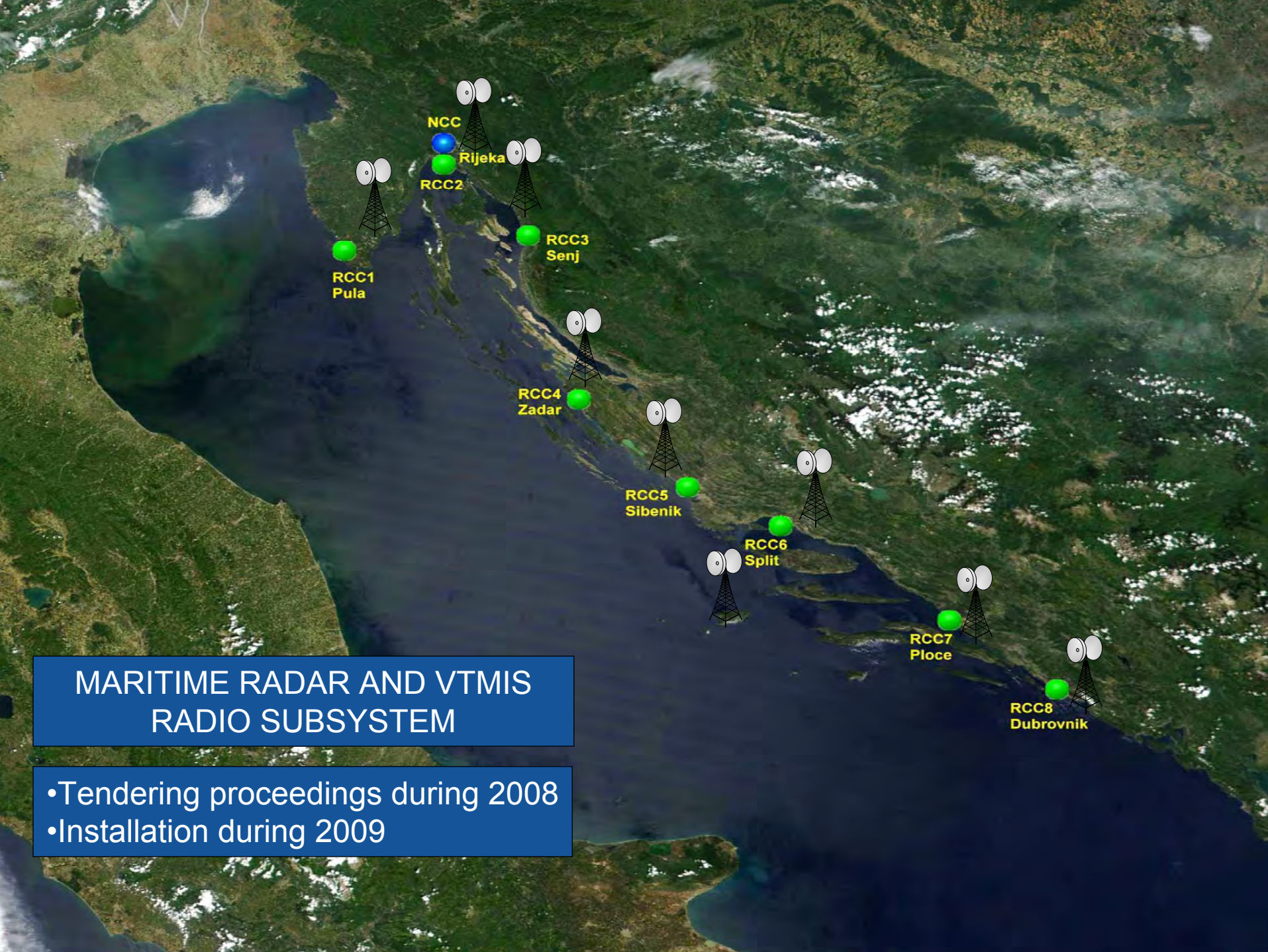
FINANCING
•PHARE 2006:
- EU co-financing : 5,4 million Eur
- National co-financing: 1,5 million Eur
- **TOTAL: 6,9 million Eur**

DURATION: 2007- 2010

ACTIVITIES :

- INSTALLATION OF MARITIME RADAR AND OTHER VTMIS EQUIPMENT
- INSTITUTIONAL CAPACITY BUILDING → TWINNING
  - Education and training of VTMIS Operators
  - Study visits to VTMIS resources and competent authorities of EU Member State including simulator training
  - Administrative capacity building for the Flag State Implementation
- TA FOR PROJECT IMPLEMENTATION

CURRENT STATUS: TENDERING PROCEEDINGS UNDERWAY!



MARITIME RADAR AND VTMIS RADIO SUBSYSTEM

- Tendering proceedings during 2008
- Installation during 2009

TWINNING

FINNISH MARITIME ADMINISTRATION- ITALIAN COAST GUARD

Twinning project is conceived to provide transfer of knowledge and technical assistance in development of the Croatian Vessel Traffic Monitoring and Information Services

Thank you !