

# MARITIME SAFETY IN THE ADRIATIC

## - CHALLENGES AND OPPORTUNITIES -



REPUBLIC OF CROATIA  
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*Zadar, May 2011*

# INTRODUCTION

Providing safety at sea

- History briefing- highlights
- How do we do it now-days
- What about safety in the future?
- Can we still enhance safety of navigation?



# CROATIA - MARITIME COUNTRY

- Total population 4,44 million / 30.000 seafarers
- Length of coastline 6287 km – per citizen 1,4 meter
- 1246 islands of which 47 populated
- Semi-enclosed sea basin
- 4 national parks and 4 natural preservation parks located along Croatian costa and on islands
- 46 NM Passage from Otranto to north-adriatic ports
- 1196 ships registered with 1.363.745 GT
- 539 yachts and 103.945 boats registered
- During a year Croatia is visited by over 54.000 foreign yachts
- Total annual traffic in ports: 26 million tons cargo and 22 million passengers
- 4 maritime faculties and 10 maritime highschools

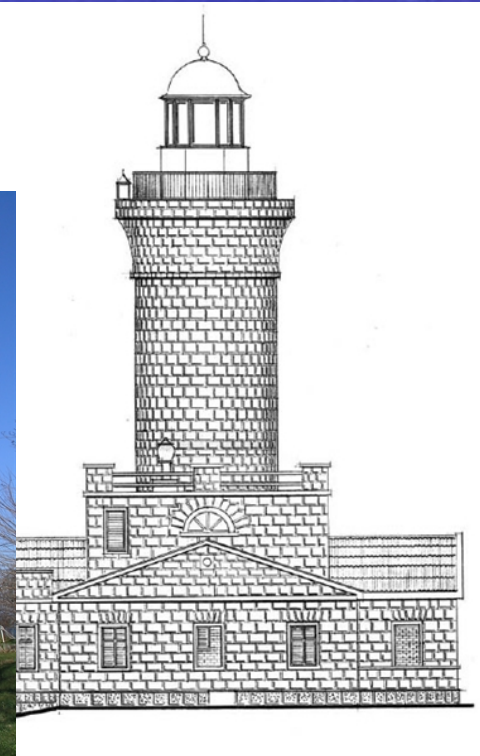




# HISTORY HIGHLIGHTS

## First Lighthouse

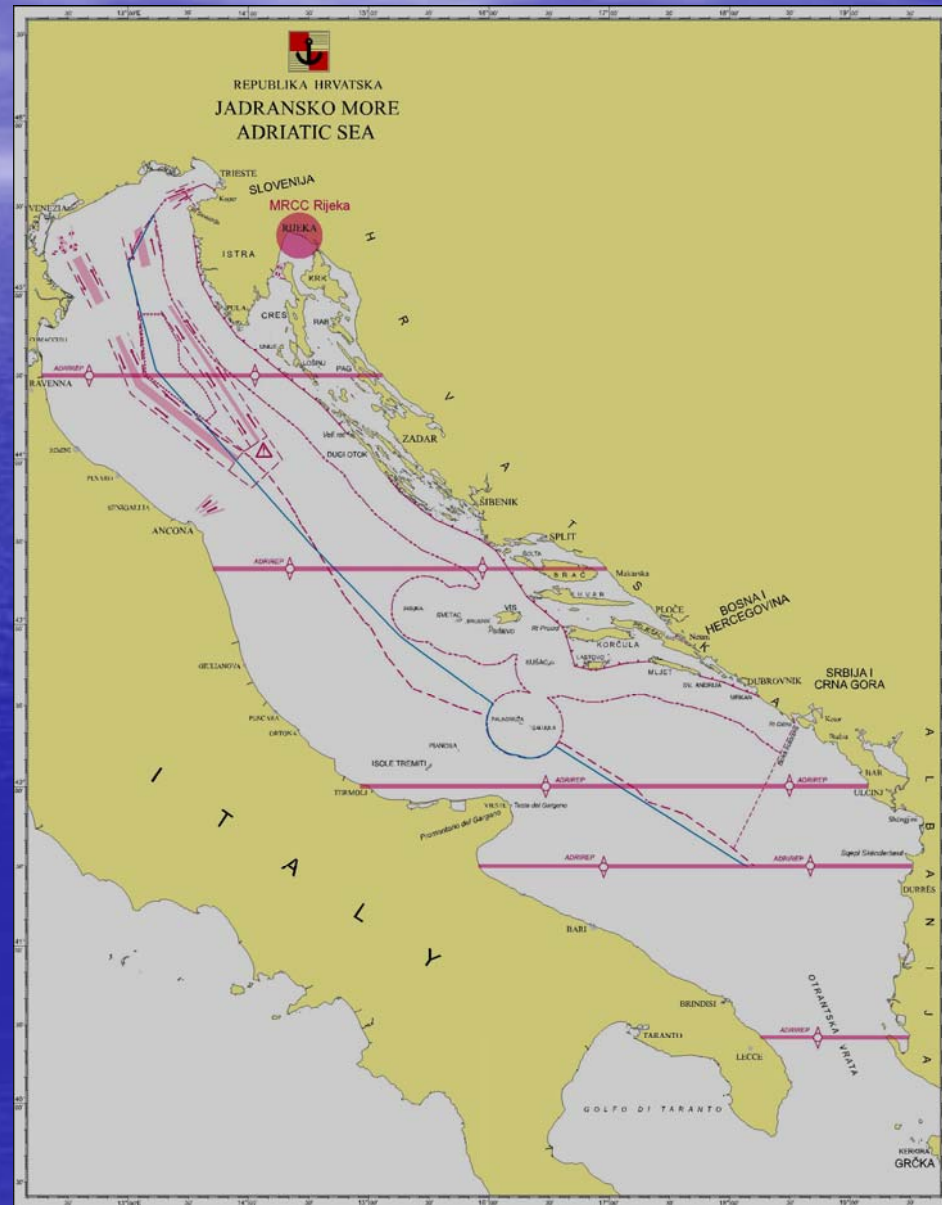
- 1818. Austro-Hungarian monarchy built the lighthouse Savudrija, first of 48 lighthouses which are still in function.



# ADRIREP

## Mandatory Ship Reporting System in the Adriatic Sea

- adopted by the Maritime Safety Committee at its 76 session on the 5th December 2002.
- entered into force on the 1st July 2003
- participating - Italy, Slovenia, Albania, Monte Negro and Croatia
- APPLIES: All oil tanker ships of 150 GT and above. All ships of 300 GT and above, carrying on board, as cargo, dangerous or polluting goods, in bulk or in packages



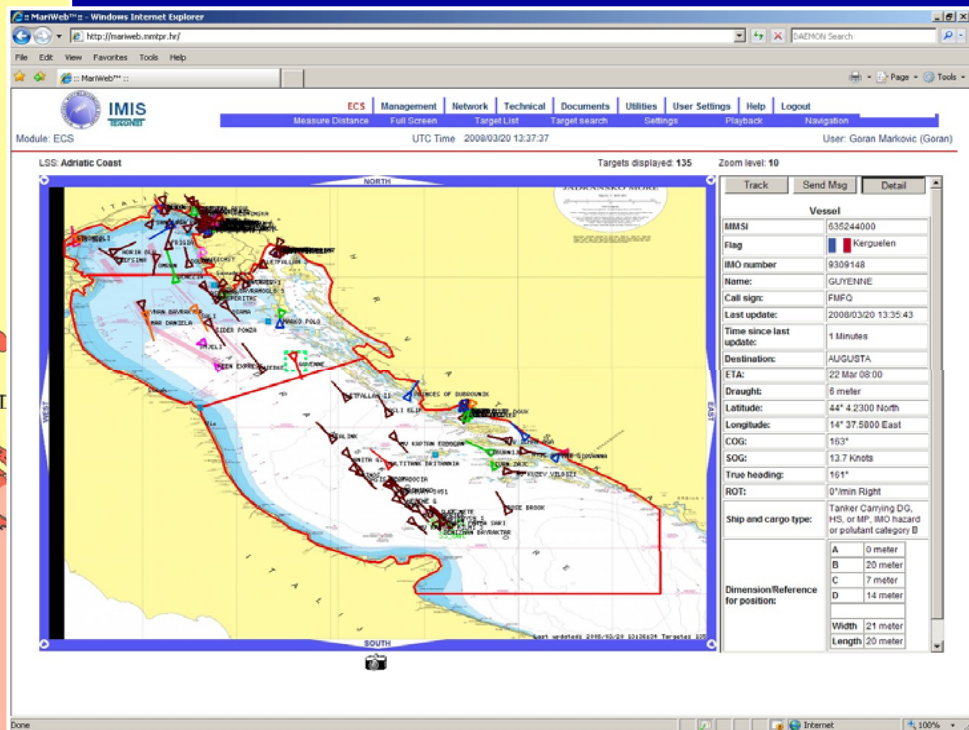


# Traffic Separation Schemes



TSS Northern Adriatic in force  
since 1 December 2004

# AUTOMATIC IDENTIFICATION OF SHIPS SYSTEM (AIS) 2003-2008



## AIS COVERAGE



EXISTING – 4 BS



1ST HALF 2008



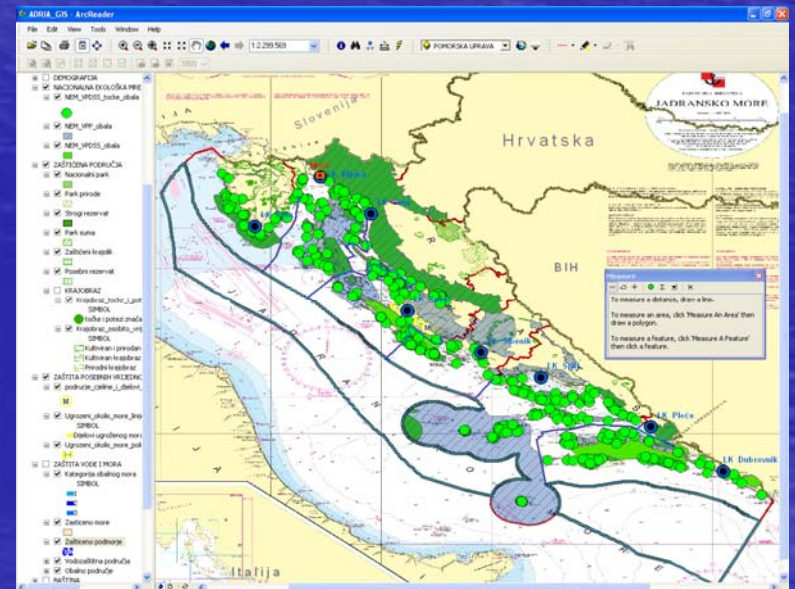
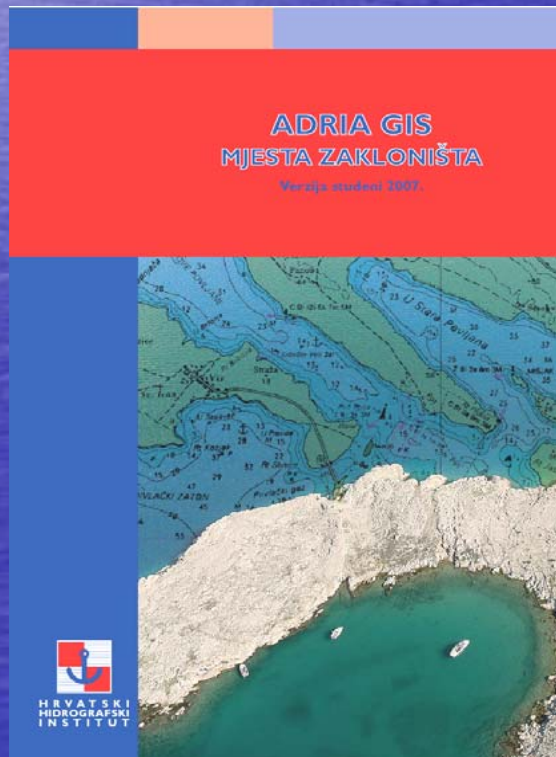
2ND HALF 2008

} Additional 13 BS



# PLACES OF REFUGE - 2007

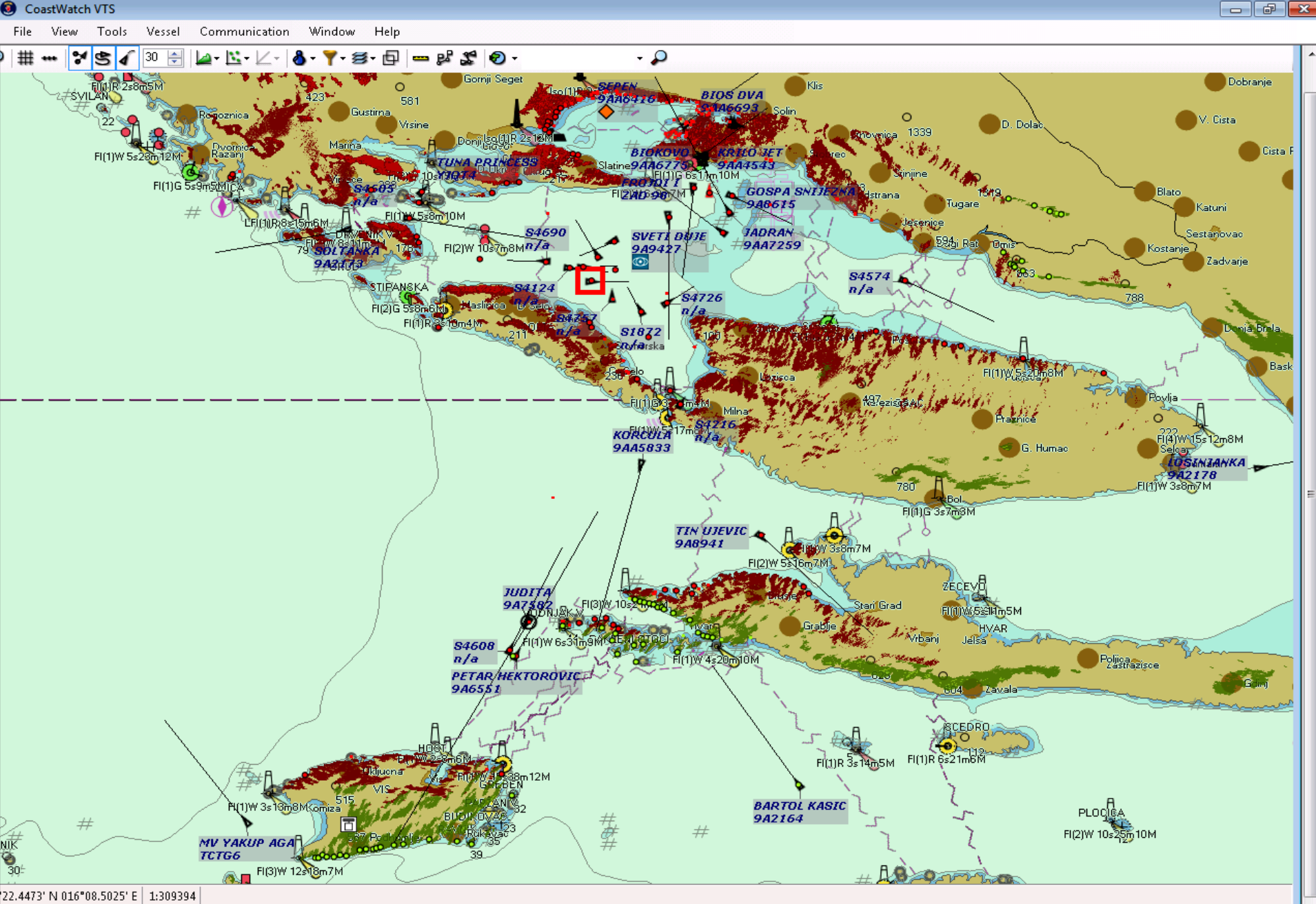
- ADRIA GIS support to decision making proces
- Tool-box for MAS/places of refuge





# VTs RADAR SYSTEM 2010

- completion of the Phase I and Phase II of the "Maritime Traffic Safety: Strengthening Administrative Capacity and Management of Vessels" projects, financed with the support of the PHARE 2005 and 2006 programmes
- VTS radar system was placed into trial operation in November 2010.
- The maritime radar system was supplied by SAABTranspondertech and TERMA valued at €5 million, is co-financed by the European Union PHARE 2006 programme with 75% (€3.7 million) while the remainder was financed by the Croatian Governmentž
- The VTmIS system facilitates full coverage of Croatian area of responsibility at sea







# CIMIS- Croatian Integrated Maritime Information System- National Single Window

- Implementation of Directive 2010/65/EC
- central contact point for all national authorities
- gateway to SSN
- Exchange with Port Community Systems/Interface for other Port authorities

## BENEFITS

- Master/agent provides data only once
- Timely reporting solves port logistics (pilotage,...)
- ETA updated
- Providing data back to master/agent/other user
- Reduction of other conventional reporting requirements

## IMPLEMENTATION:

maritime administration I Q 2012

maritime administration + port authorities I Q 2013

maritime administration + port authorities + customs II Q 2015



# Future developments

- Can we enhance safety of navigation?
- While reducing workload ship-side?

# Development of Common Adriatic VTMISS

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- Unified procedures in the VTS areas in the Adriatic sea
- Unified training and certification of VTS operators
- Simplification of ADRIREP → ADRIREP AIS EXCHANGE  
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- Establishment of exchange of traffic data (NOA) on operational level
- Further development of appropriate routing and other measures
- Duration: 2011- 20016