

The Danube Transport days 2013.

Challenges and solutions for transport in the Danube region: rail, road, air and intermodal transport

Beograd, 3/10/2013.



Republika Hrvatska
MINISTARSTVO POMORSTVA, PROMETA I INFRASTRUKTURE



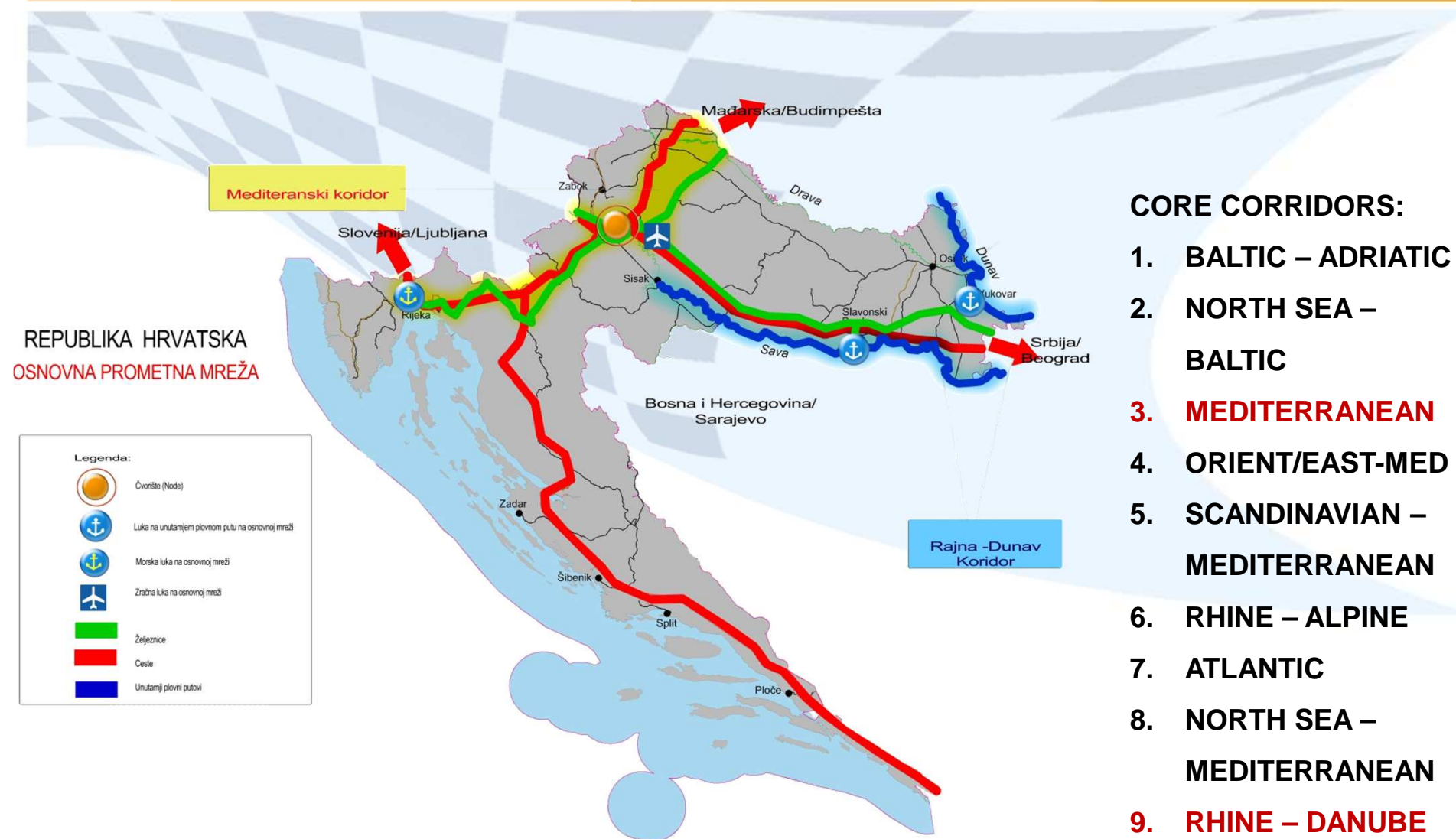
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Railways	2.726 km
Public roads	29.547 km
Maritime ports	6
Inland watways	805,2 km
River ports	4
Air ports	9
Multimodal terminals	3



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Excellent location



the shortest and the fastest route between Western Europe and Asia; between Eastern Europe and the Mediterranean.



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Comprehensive Network: Railways, ports and rail-road terminals (RTT)
 Core Network: Railways (freight), ports and rail-road terminals (RTT)



Comprehensive Network: Railways and airports
 Core network: Railways (passengers) and airports



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Indicative Extension to Neighbouring Countries
Comprehensive Network: Roads, ports, rail-road terminals (RTT) and airports
Western balkan region

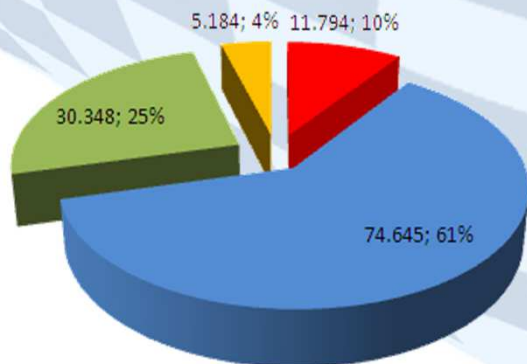


Indicative Extension to Neighbouring Countries
Comprehensive Network: Railways and airports
Western balkan region

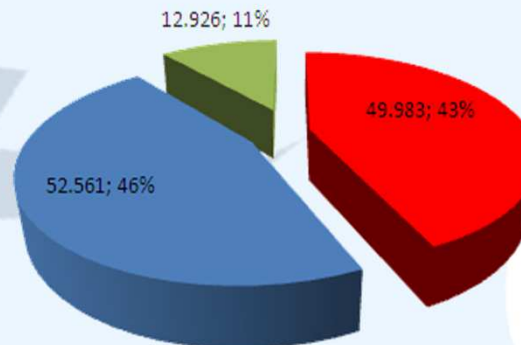


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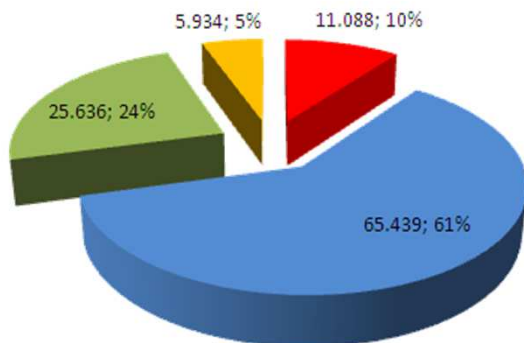
**Cargo traffic structure (000/t)
2011**



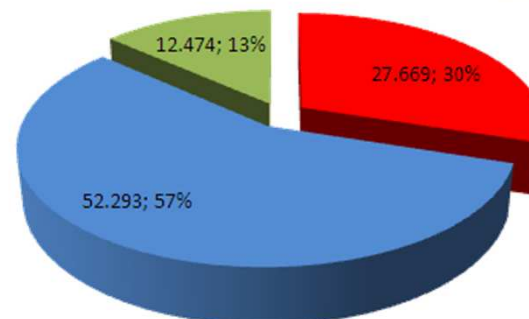
**Passenger traffic structure
2011**



**Cargo traffic structure (000/t)
2012**



**Passenger traffic structure
2012**



- Railways
- Roads
- Maritime
- IWW



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THEMATIC OBJECTIVE 7: PROMOTING SUSTAINABLE TRANSPORT AND REMOVING BOTTLENECKS IN KEY NETWORK INFRASTRUCTURES

Main development needs and challenges	Growth potentials	Main funding priorities and objectives for each of the ESI funds	Expected results for each of the ESI funds
<ul style="list-style-type: none"> • Uncompetitive railway system • Unsatisfactory traffic safety • Financial sustainability of transport system • Low share of environmentally friendly transport (public transport and zero emission modes) • Insufficient technical standards on the TEN-T in Croatia • Underdeveloped intermodality and multimodality including traffic management • Low cargo capacity in the main ports of Croatia • Low connectivity of islands and some regions (Insufficient accessibility and connectivity of some regions and islands) • Short sea shipping and motorways of sea 	<ul style="list-style-type: none"> • Favourable geographical location / position of the country (access to Adriatic harbours and potential enlargement countries) • Well developed, high quality and safe tourism sector • Potential for industrial development (existing physical infrastructure as basis for future development, availability of skilled labour, stability, potential for logistics development) • Low motorization level 	<p><u>MAIN FUNDING PRIORITIES AND FUND OBJECTIVES (ERDF / CF):</u></p> <ul style="list-style-type: none"> • Development and modernization of the public transport systems with specific focus on the railway system • <u>Increasing traffic safety</u> • <u>Improving the sustainability of the transport systems</u> • <u>Improving the capacity and the reliability of services of maritime ports with identified bottlenecks</u> • <u>Increase accessibility to areas of the country with low level of connectivity (remote islands, Dubrovnik region)</u> • <u>Development of the TEN-T network and access to the TEN-T</u> • <u>Improving the transport management including the development of ERTMS, RIS, public transport management systems etc...</u> 	<p>ERDF / CF:</p> <ul style="list-style-type: none"> • Increased financial sustainability of the transport sectors • Upgraded infrastructure along the TEN-T network with focus on the core network • Developed modern and competitive public transport systems • Improved accessibility to disconnected areas (Dubrovnik region, remote islands) • Increased traffic safety • Elimination of the bottlenecks in the freight transport (rail, sea transport, inland navigability) • Improve modal split in favor of environmental friendly means of transport • Upgraded infrastructure along TEN-E core corridors, including constructed of necessary nodes • Removed bottlenecks in inland (TEN-E) gas and electricity network

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Thematic Objective	Investment priorities	ERDF	CF
7. Promoting sustainable transport and removing bottlenecks in key network infrastructures	7.1. Developing and rehabilitating comprehensive, high quality and interoperable railway system	ERDF	CF
	7.2. Supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network (TEN-T) network	ERDF	CF
	7.3. Enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure	ERDF	
	7.4. Developing environment-friendly and low-carbon transport systems including river and sea transport, ports and multimodal links	ERDF	CF



IP 7.1 Developing comprehensive, high quality and interoperable railway system

Identified problems (SWOT outcomes):

- outdated infrastructure, high maintenance costs; old and inadequate rolling stock fleet

Specific objective:

Facilitate the modal switch by :

- Modernising existing railways corridors and develop new network elements if necessary, including the deployment of ERTMS systems and ensuring interoperability
- Modernisation of rolling stock

Examples of actions:

- Modernization, reconstruction and construction of railway lines on **corridors** (incl. ERTMS, interoperability, electrification)
- Modernization, reconstruction and construction of railway lines with **regional and suburban** importance (where feasible incl. ERTMS, interoperability, electrification)
- Purchase of rolling stock related to line upgrades



IP 7.2 Supporting a multimodal Single European Transport Area by investing in the Trans-European Transport Network (TEN-T) network

Identified problems (SWOT outcomes) :

- Outdated infrastructure
- Low level of intermodality
- Poor connections with different transport systems and with TEN-T

Specific objective:

Develop a well-functioning intermodal and sustainable transport system by:

- investing in construction of multi-modal and inter-operable corridors and nodes along the TEN-T
- Removing of bottlenecks along the network (TEN-T)

Examples of actions:

- Improvement/construction of multimodal transport links - main international airports, river ports, maritime ports, logistic centres and connecting them to corridors
- Improvement of IW navigability and investment in River Information System, as in VTMS



IP 7.3. Enhancing regional mobility through connecting secondary and tertiary nodes to TEN-T infrastructure

Identified problems (SWOT outcomes) :

- outdated infrastructure, high maintenance costs
- Poor (Low) connectivity of specific areas resulting in lack of competitiveness
- Weak links among islands and between coast and islands
- Insufficient capacity of existing transport infrastructure resulting in poor accessibility of regions

Specific objective:

Facilitate the improvement of competitiveness of regions and isolated areas by

- Construction of transport links, modernisation of existing transport links and improvement of transport services
- Improved traffic safety

Examples of actions:

- Regional mobility and connecting the regions to the TEN-T network
- Introduction of intelligent infrastructure related to traffic safety and traffic monitoring;
- Improving regional accessibility by upgrading and reconstructing existing infrastructure (incl. improvement of roads, facilities related to seaports and airports traffic safety)
- Improving regional connectivity, enhancing regional mobility by construction new regional railway lines, connection with islands and removing bottlenecks by constructing new road links and reconstructing existing regional roads
- Construction of roads linking the motorway network and TEN-T network with large industrial / commercial centers
- Improvement of road, maritime and air links to islands

- Cross border connectivity (bridges and connecting roads to TEN-T)

- ESF-type actions: Broadening public campaigns in order to promote responsible behaviour in traffic.



IP 7.4 Developing environment-friendly transport systems and promoting sustainable urban mobility

Identified problems (SWOT outcomes) :

- unreliable, slow, uncomfortable and expensive public transportation, full of bottlenecks, air pollution, low accessibility, increase of individual transport in cities
- Insufficient use of alternative forms of urban transport
- Poor quality of infrastructure and logistics, insufficient level of safety of navigation

Specific objective:

Decarbonisation of transport sector and improved mobility within cities by:

- Developing intelligent, sustainable, integrated low-carbon public transport (urban and suburban regional mobility - daily migrations areas)
- Decreasing pollution by removing obstructions and bottlenecks which are causing congestion on existing road infrastructure
- Promoting clean transport.
- Clean transport power directive implementation*

Examples of actions:

- Developing new bicycle parks and routes and connecting them to European network
- Reconstruct crossroads, introduction of intelligent traffic solutions for traffic surveillance and management
- Reconstruction of crossroads, road bottleneck sections which are causing congestions and higher rate of pollution
- Improvement/construction of public transport lines, promoting integrated modes of transport and purchase of rolling stock connected to it
- ESF type - Implementing measures to increase public awareness on advantages of public and non-motorised modes of transport (e.g. training, education, eco-driving)
- Introduction of Clean Transport Power related infrastructure (infrastructure for alternative fuels/energy powered vehicles and vessels)*



TRANSPORT DEVELOPMENT STRATEGY OF THE RoC 2014 -2030

PHASES OF PREPARATION



• **Completed** (project ended on 7 August 2013)

• **Ongoing:** Inception phase completed on 11 September 2013
→ Implementation phase



TRANSPORT DEVELOPMENT STRATEGY OF THE RoC 2014 -2030

6 sector sub-committees → 6 SECTOR TRANSPORT DEVELOPMENT STRATEGIES

Rail

Road

Air

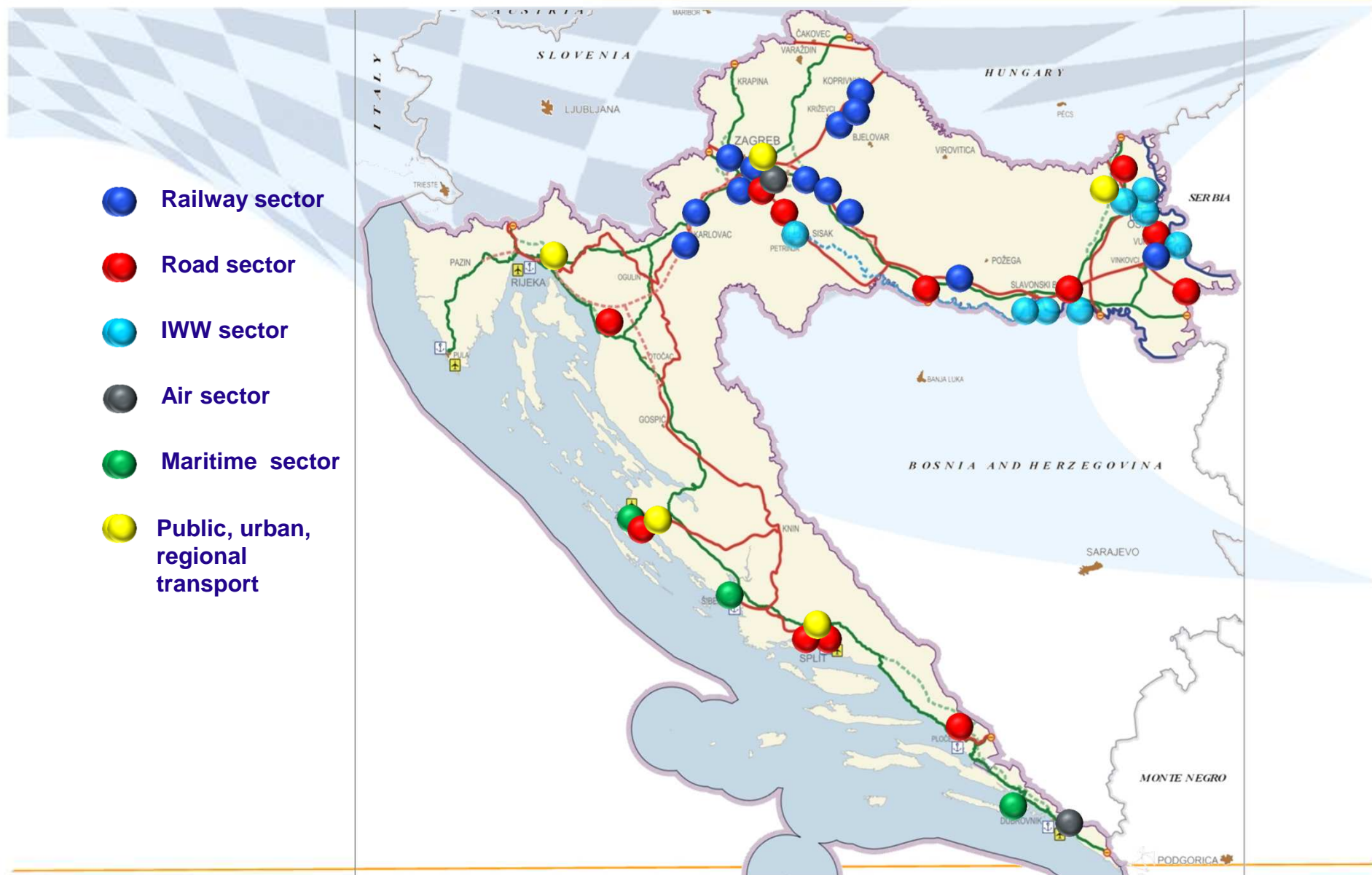
Maritime

Inland
waterways

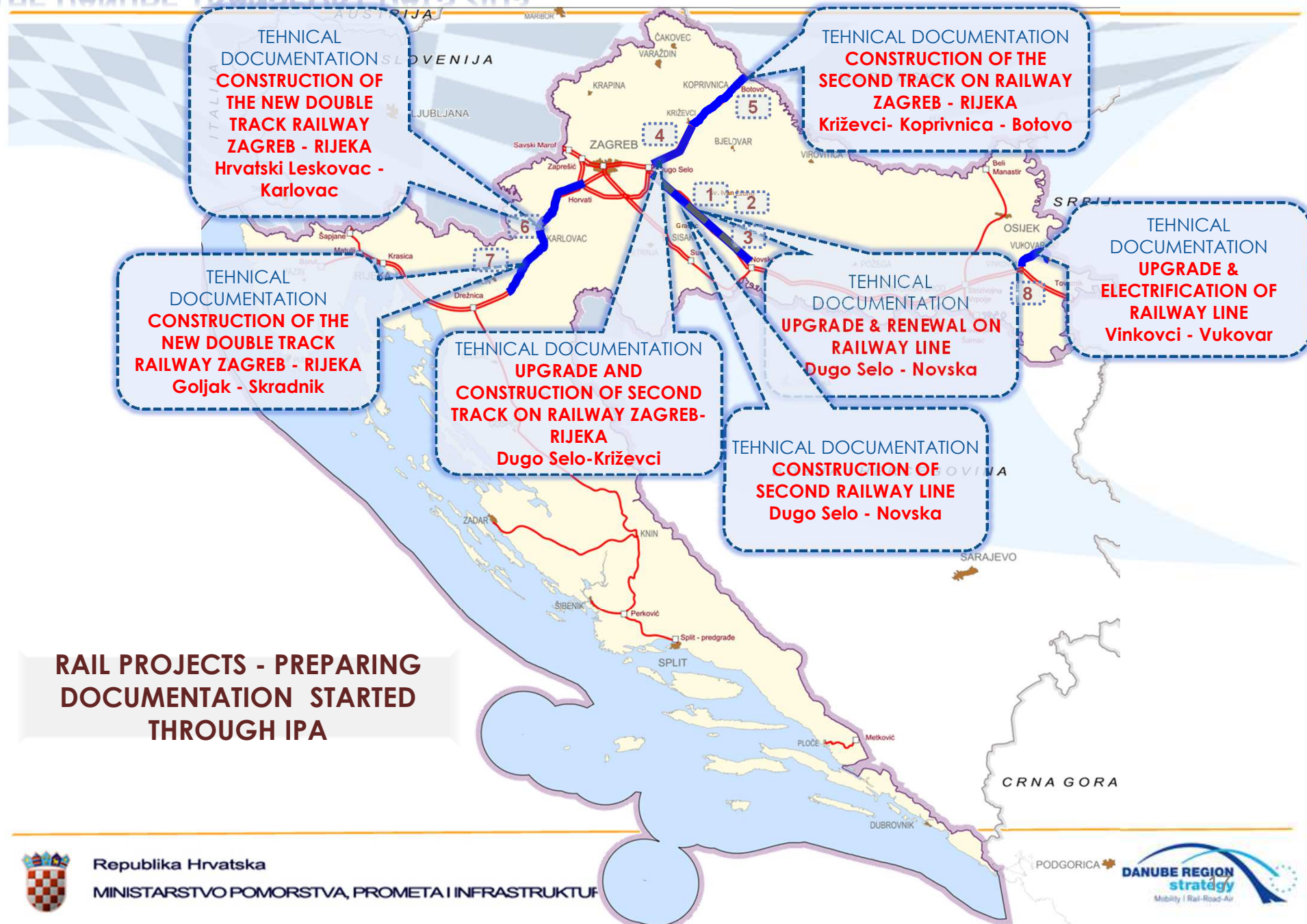
Public urban,
suburban and
regional
mobility



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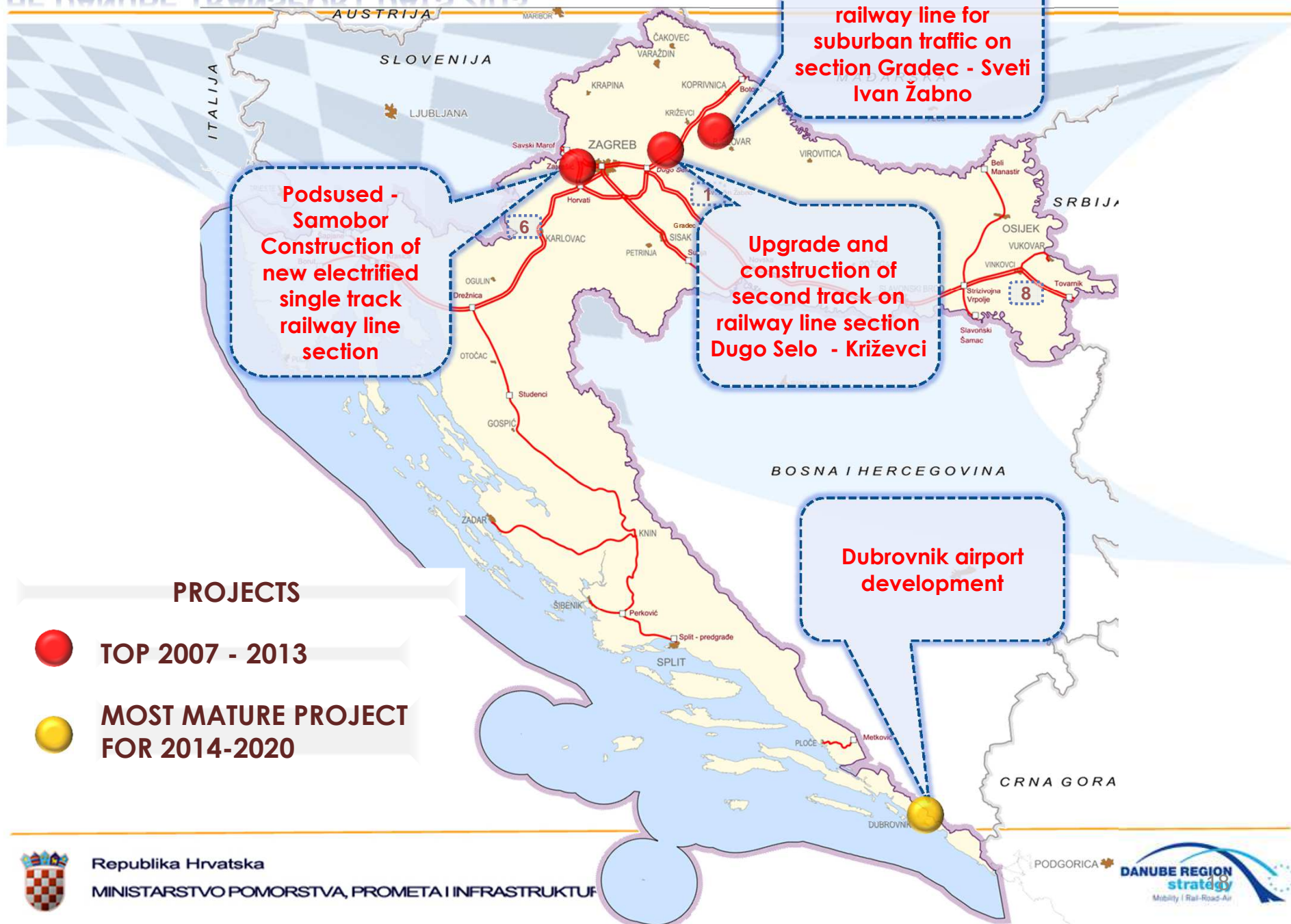


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RAIL PROJECTS - PREPARING DOCUMENTATION STARTED THROUGH IPA

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PROJECTS



TOP 2007 - 2013



MOST MATURE PROJECT FOR 2014-2020



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Thank you for your Attention!

Ministry of the Maritime Affairs, Transport and
Infrastructure

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MINISTARSTVO POMORSTVA, PROMETA I INFRASTRUKTURE

