

Connecting Danube region by rail – improved passenger services and infrastructure development opportunities

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THE DANUBE REGION TRANSPORT DAYS 2018







DANUBE REGION

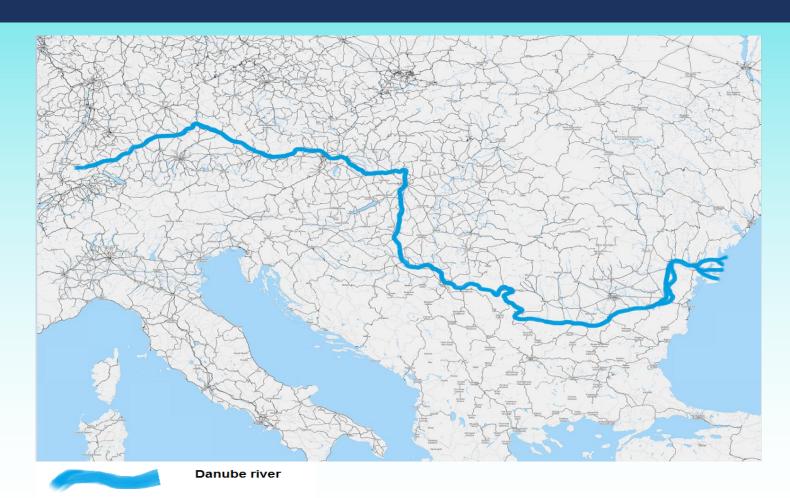






DANUBE REGION - RAILWAY INFRASTRUCTURE

Railway network



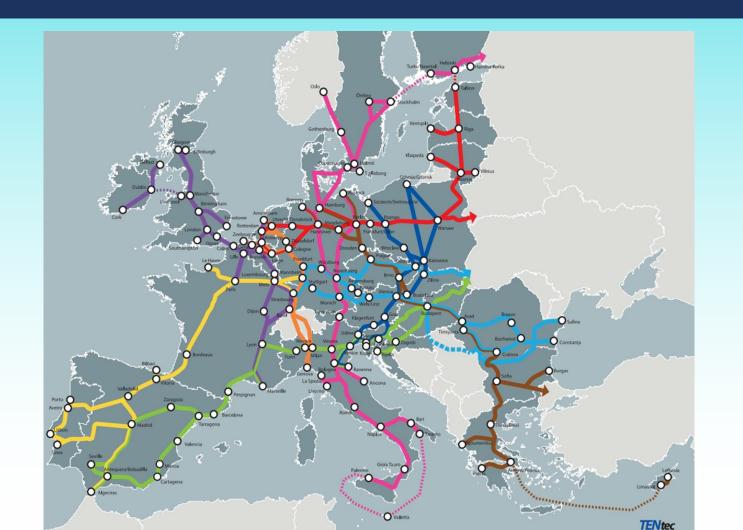
(mayority are regional lines!)







EU TEN – T CORRIDORS







SEESARI - SOUTH EAST EUROPE STRATEGIC ALLIANCE FOR RAIL INNOVATION

Vision and objectives of SEESARI:

- to be an important player of railway system development in South East Europe
- establish a wide network of interested stakeholders for identifying innovative ideas/solutions/projects for railway and transport developmentt
- bringing new ideas and solutions into reality (concrete projects)
- contribute to advanced railway transport development in South East Europe and wider European railway transport system and contribution to more sustainable transport in Europe

Partnership => supported by International Union of Railways (UIC):

• currently more than 60 members from 14 countries (railway transport operators and infrastructure managers, manufacturers and suppliers of technical equipment, financial institutions, research institutions, associations and interest groups connected with (rail) transport, national and regional authorities, ...)





KICK-OFF MEETING IN BELGRADE

- Took place on 26th January 2016
- 70 participants from 14 countries
- Opened by the Vice-Prime minister and Minister of Transport and Infrastructure of Serbia
- Presented vision, strategy, action plan and Declaration of intent (establishment)
- Selected Chairman of SEESARI
- Signed Memorandum of establishment (Declaration of intent)











SUPPORT BY EC AND INTERNATIONAL ORGANIZATIONS

=> Full suport of International Union of Railways

- Special Taskforce for the SEESARI
- Technical support, promotion, ...



=> Support of EU Commissioner for transport Ms. Violeta Bulc



⇒ => Support of Community of European Railways



=> Support of SHIFT2RAIL

(cooperation agreement signed in September 2018)







SHIFT2RAIL – SEESARI AGREEMENT

- Signed in September 2018 at InnoTrans
- Long term cooperation
- Presence of the EU Commissionner for Mobility and Transport
- Focus of the agreement: the exchange of information on current and planned activities and research and innovation programs; the exchange of experience and good practices in the framework of the transformation of the rail system, with a particular focus on digitization and interoperability; the involvement of the SEESARI initiative in the S2R SU Working Groups.





HIGH SPEED RAIL

NETWORK

OF

INTERGATION



SEESARI – MAIN PRIORITIES

TRANSPORT

PASSENGER

REGIONAL RAILWAY NETWORK

RAILWAY ROLLING

SOCIAL COMPONENT AND TECHNICAL **STANDARDS**

INTEROPETABILI

FREIGHT FREIGHT COOPERATION **TRANSPORT**

RESOURCES

HUMAN

SUSTAINABILITY

ENERGY **EFFICIENCY**

GITALIZATION

Prometni institut Ljubljana d.o.o. stitute of Traffic and Transport Ljubljana I.I.c.





KEY ELEMENTS OF RAILWAY DEVELOPMENT AND IMPROVEMENT

- Business => high quality transport services and infrastructure
- Investments => investments in infrastructure and rolling stock
- Innovations => following the newest innovation/technology trends for ensuring competitiveness
- Cooperation => close cooperation with stakeholder and partners
- Energy, Environment, Sustainability => ensuring the sustainability and environmental protection





PROJECT PROPOSALS

SEESARI project proposals:

- Development of the High Speed Rail South East Europe
- Revitalization of regional railway lines and services
- Integrated cross border E-ticketing
- Education centre for young professionals and railway staff and re-organization
 - of human resources

SEESARI ACTION PLAN - List of projects

Project (name)	Partner who makes proposal	Short Description/ goals	Type of action	Topic/ar ea	Countries involved – at least 2!	Time schedule	India Bud
1.							
Railway Rolling Stock Renewal Project	Feasibility Study developed by Faculty of Transport in Belgrade	Urgent need for renewal of obsolete rolling stock fleet in order to improve quality and safety of services in local passenger transport	Study Investment	Rail		In 2013, ZPCG procured and put in traffic 3 new EMUs Procurement of additional 4 EMUs is planned until 2018	EUR 1
2.							
Mobile Rail Ticketing in Montenegro	Consultancy services for the preparation of project documentati on funded by EBRD through the grant provided by French Government	Replacement of the existing outdeted ticleting system and improvement of customers services. Implementation of a new modern system compliant with EU will support the connection of the Montenegrin railway system with greater EU networks and promote easier travel across the southeast region. In addition, ZPGG will join the EPA community and register at <u>Zidig</u> and Merits database as part of the project.	Service/product Investment	Rail	Serbia Hungary Czech Republic Russia and other	2016	EUR 2
3.							
Integrated passenger transport	HŽ Passenger Transport	Platform for tariff integration, bike parking system, multimodal terminals, data interface	Study	Rail Road Intermod al	Slovenia, Serbia, Croatia	2016 - 2021	EUR 250,0
4.							
New trains	HŽ Passenger Transport	Cross border trains (tourist trains, new trains)	Study	Rail	all	2016 - 2021	EUR 300,0
5.							
International cooperation	HŽ Passenger Transport	Cross border cooperation, new software-traffic planning, PSO contracts	Study Service/product	Rail	all	2016 - 2026	EUR 300,0
6.							
Education	HŽ Passenger Transport	Staff education as well as drivers practice.	Study Service/product	Rail	Slovenia, Serbia,	2016 - 2021	EUR 250,0

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High-speed lines in Europe

UIC Proposal 1974







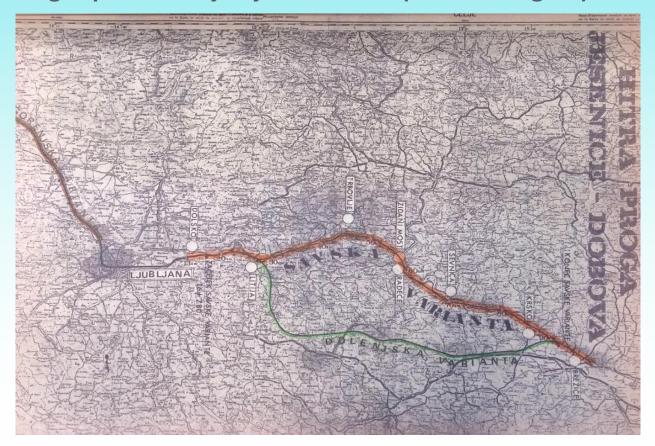






PAST RAILWAY NETWORK DEVELOPMENT PROPOSALS:

High speed line Ljubljana-Dobova (towards Zagreb)









EU TRANSPORT WHITE PAPER - SUMMARY OF RAIL-RELATED GOALS

- => By 2050, complete a European high-speed rail network.
- => By 2030, triple the length of the existing high-speed rail network and maintain a dense railway network in all Member States. By 2050 the majority of medium-distance passenger transport should go by rail.
- => By 2050, connect all core network airports to the rail network, preferably high-speed.
- By 2020, establish the framework for a European multimodal transport information, management and payment system.





DEVELOPMENT OF THE HIGH SPEED RAIL NETWORK IN DANUBE REGION

High speed line/belt Vienna-Ljubljana-Zagreb-Belgrade-Budapest-Bratislava-Vienna (1)

- SEESARI/ÖBB/G4 proposal
- Feasibility studies planned for next year
- Railways lines Vienna-Graz-Villach and Belgrade-Budapest already in construction



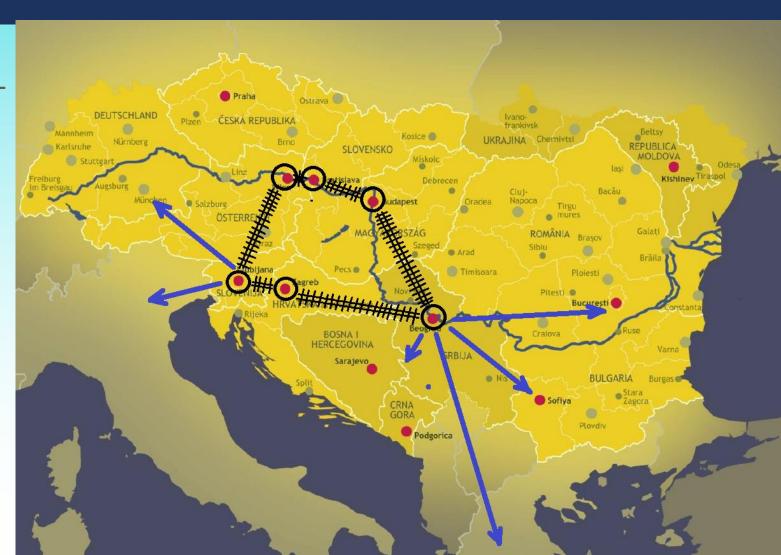




DEVELOPMENT OF THE HIGH SPEED RAIL NETWORK IN DANUBE REGION

High speed line/belt Vienna-Ljubljana-Zagreb-Belgrade-Budapest-Bratislava-Vienna (2)

- 6 capital cities, total 9 million people
- 6 countries, 28 million people
- 1500 km of length
- Connections to North-West and South East

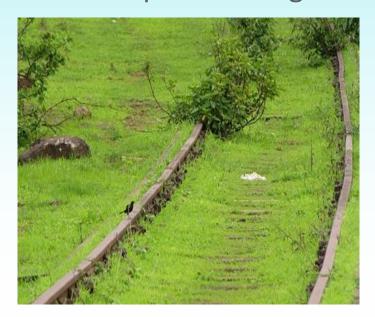






Regional lines:

- big potential (infrastructure already exists)
- low density lines
- less developed and neglected areas



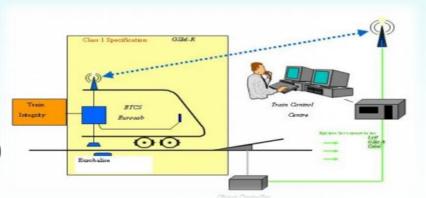






The project intends to increase growth in transport demand and customer expectations based on quality of service, with demonstrative implementation of smart technologies that can ultimately contribute to improving the reliability and responsiveness of customer service in rail transportation, such as:

- Sustainable transport and logistics services
- Integrated smart services model for regional railway network advanced ticketing and traffic operation integration with other modes (bus, trams, P +R, taxi, etc.) intelligent door to door integrated public passenger service
- New generation of rail vehicles (light passenger vehicles and buses, intermodality)
- Improved signaling and safety devices (ERTMS regional)
- no man occupancy traffic operations (simple ERTMS with satellite and WIFI solutions)







RAILWAY NETWORK DEVELOPMENT PROPOSAL

Railway network of Western Balkans: revitalization of (regional) railway lines and services





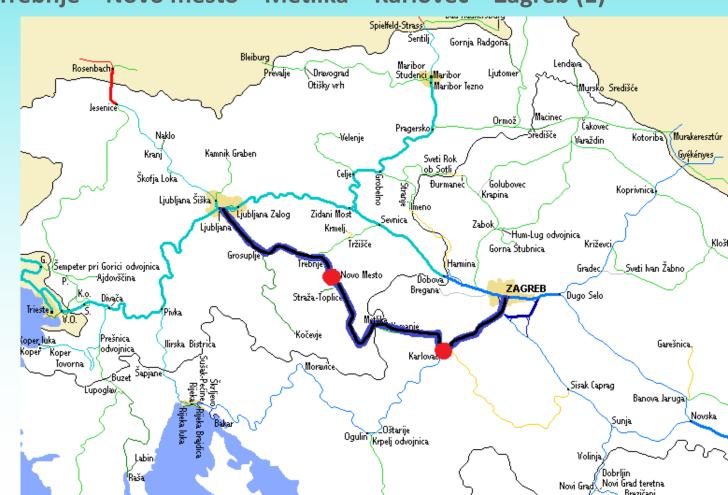


Example: Railway line Ljubljana – Grosuplje – Trebnje – Novo mesto – Metlika – Karlovec – Zagreb (1)

Letter of intent signed in 2018 by 9 slovanian mayors and representative of Karlovac County

MAIN GOALS:

- Better competitiveness of rail transport
 - More passengers
 - Integrated rail passenger transport







Example: Railway line Ljubljana – Grosuplje – Trebnje – Novo mesto – Metlika – Karlovec – Zagreb (2)

New products and services

- Intergrated services/ modern products/services (ticketing, public passenger transport integration, P+R,..)
- Cross-border passenger train sets (daily commuters, touristic services,..)
- Modern logistics products, industrial sidings





European cofinancing programmes

SEESARI South East Europe Strategic Alliance for Rail Innovation

IMPROVED PASSENGER SERVICES AND INFRASTRUCTURE DEVELOPMENT OPPORTUNITIES

FINANCING => EU funds, state budget, local authorities, PPP

EU initiatives and programmes

- Connecting Europe Facility CEF (infrastructure)
- European Fund for Strategic Investment EFSI (EIB) (infrastructure)
- Cohesion fund (infrastructure)
- SHIFT2RAIL/Horizon 2020/
- Danube programme
- ADRION (Adriatic-Ionian programme)
- Central Europe programme
- Balkan-Mediterranean programme
- Cross-border regional programmes (e.g. Slovenia/Austria, Croatia/Slovenia)







Thank you for your attention.

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