

International Seminar Conclusions and implementation of the Foster Rail project

**WP4 – Technology and Innovation Roadmaps,
Exploitation and Implementation**

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EVROPSKÁ UNIE
Evropský fond pro regionální rozvoj
Operační program Podnikání
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NÁRODNÍ TECHNOLOGICKÁ PLATFORMA
Interoperabilita železniční infrastruktury
CZECH TECHNOLOGY PLATFORM
Interoperability of Railway Infrastructure



Introduction

- Railways has enormous advantages compared with other modes of transport (Respect for the environment, low energy consumption, low utilization soil, safety, reliability, comfort, beneficial use in commuter traffic).
- Nevertheless the share of passenger transport in Europe is only 6% and 16% of freight transport.

Therefore, it is necessary to focus on:

- Increasing the attractiveness of rail
- Increasing competitiveness
- Friendliness to the environment
- Effective use of new technologies
- To strengthen area of education
- Etc.

Further development of railways in research and innovation is defined precisely in SRRIA.



Implementace SRRIA

- Roadmaps are implementation plans for individual intentions of SRRIA
- Basic areas of railway development according to SRRIA
 - 1) Attractiveness of rail and public transport
 - Customer experience
 - **Strategy and economics**
 - 2) A whole system approach
 - **Capacity, performance and competitiveness**
 - **Energy and environment**
 - Safety and security
 - 3) Assets
 - **Control, command, communication and signalling**
 - **Infrastructure**
 - **Rolling stock**
 - IT and other enabling technologies
 - **Training and education**



Conclusion

- These plans describe an ambitious program of research and innovation for the coming years and decades (2050)

Some plans are in preparation or have been launched within Shift2Rail initiative and other initiatives.

If we manage to implement the proposed project - will be achieved significant progress on the railway.



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Thank you for your attention!