

NOTES ON THE USE OF THIS DOCUMENT

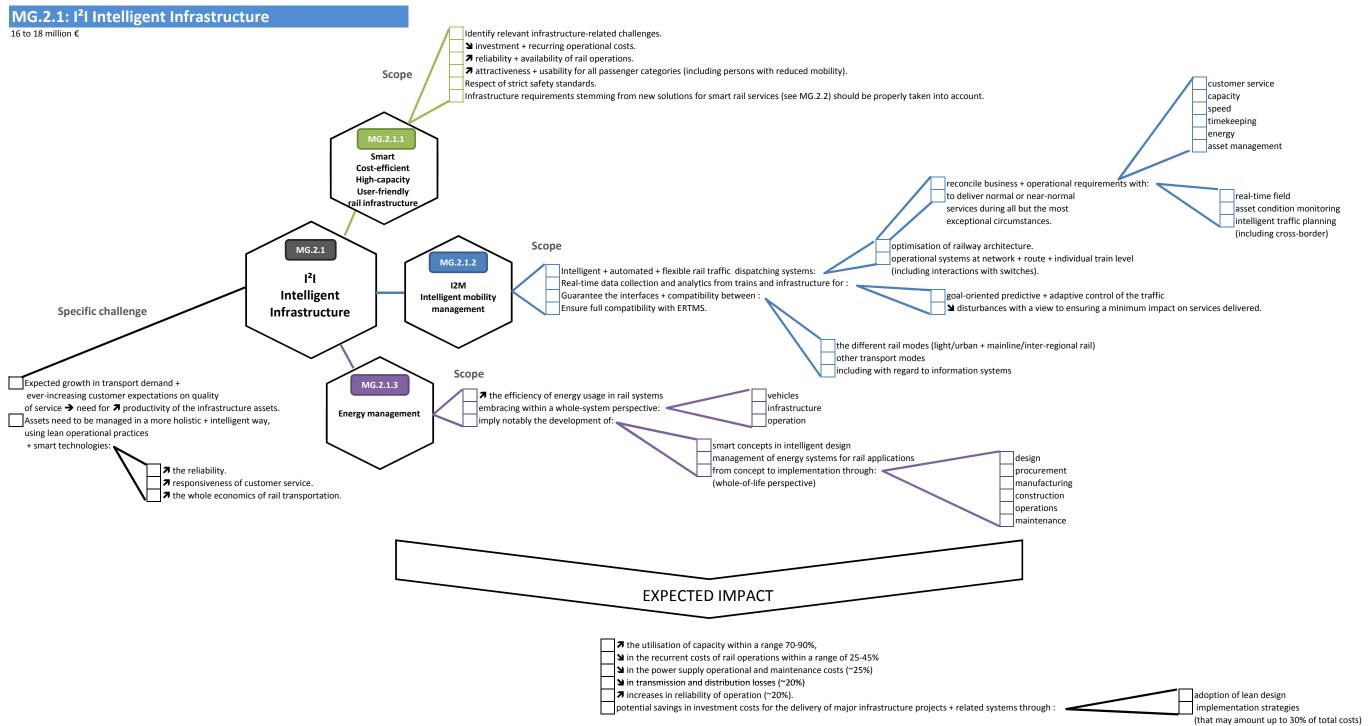
- 1. The goal of this document is to help formalizing the positioning of proposals by creating a "map" of check boxes.
- 2. The decomposition is based on the text of HORIZON 2020 WORK PROGRAMME 2014 2015. The original text remains of course the reference as the mapping is a simplification of the original. Reference pages are indicated for each topic.
- 3. There is a distinction between "specific challenge" and "scope" for each topic, as in the original text.
- 4. Printing results are better in A3 format.





(C)

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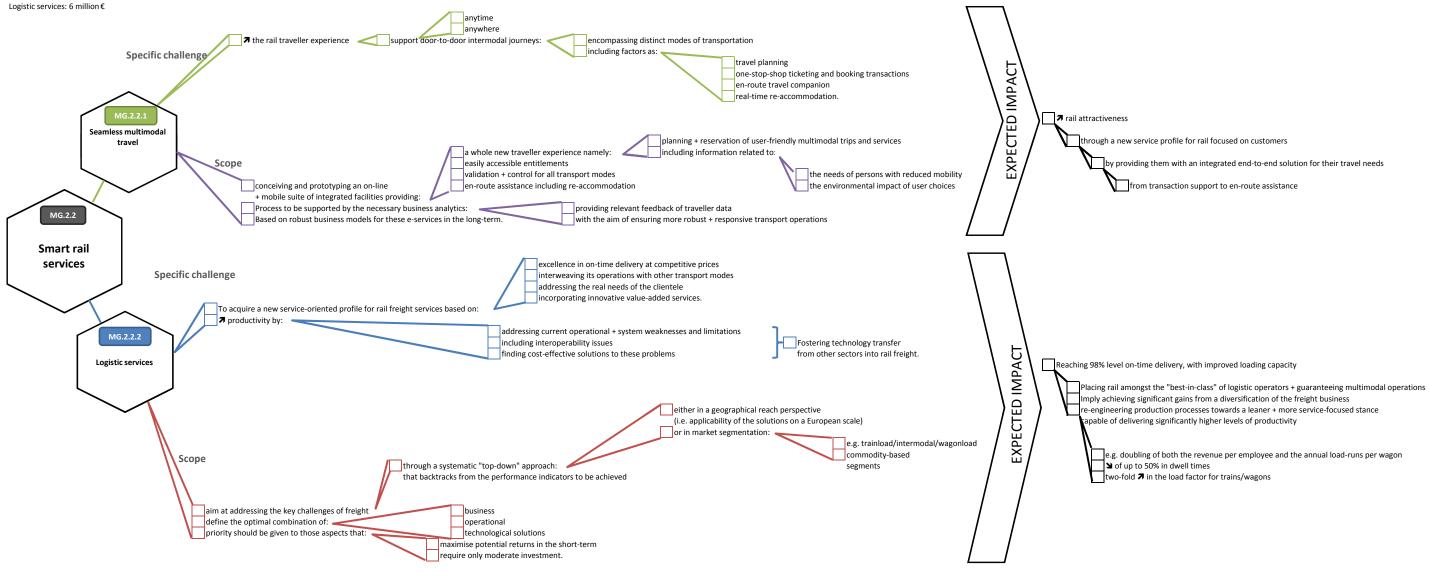


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MG.2.2-2014. Smart rail services

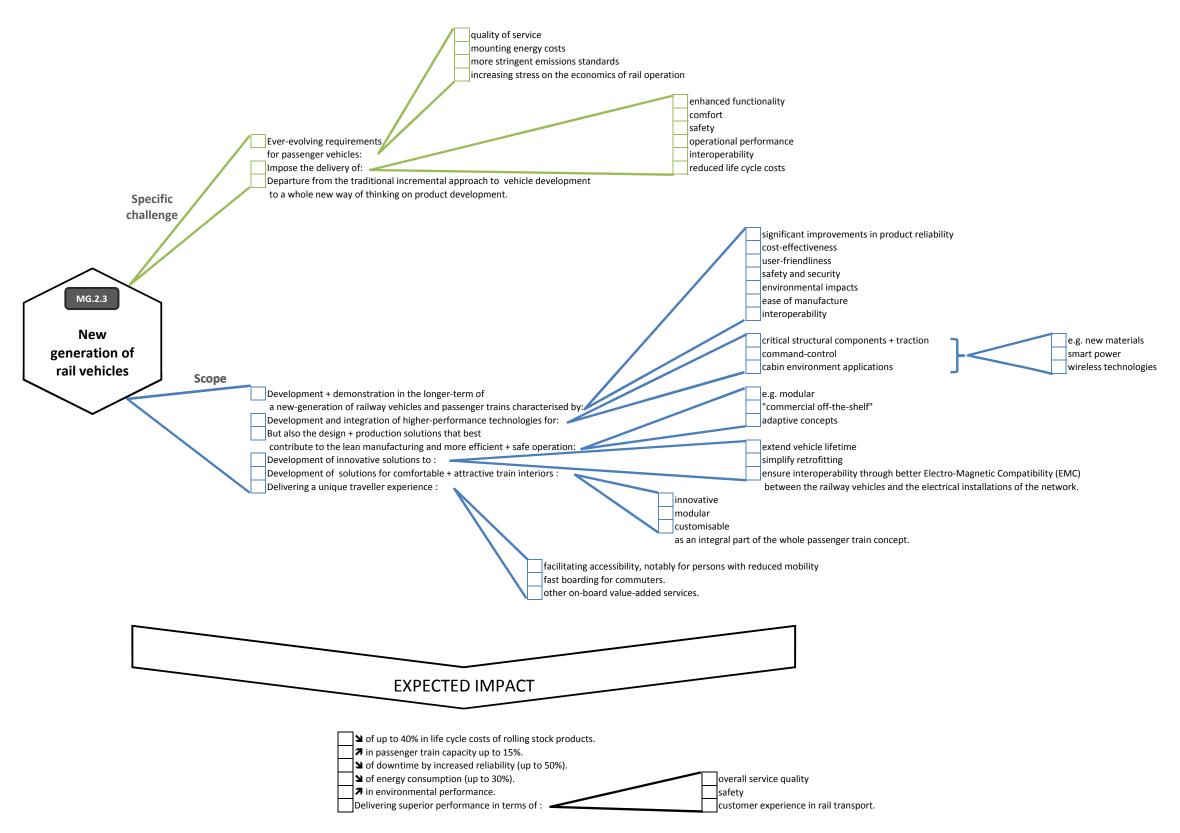
Seamless multimodal travel: 12 million€



MG.2.3-2014. New generation of rail vehicles

14 to 16 million €

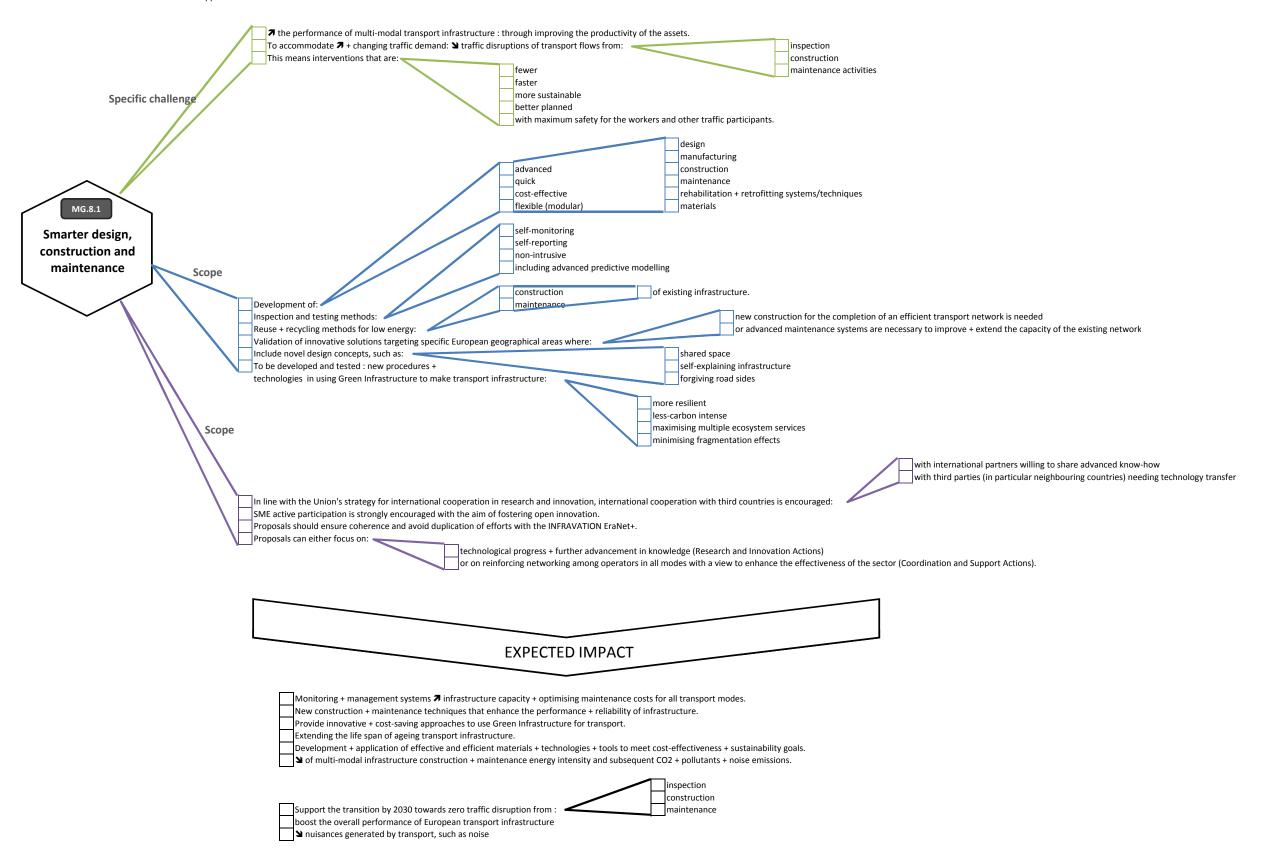
OF RAILWAYS



MG.8.1-2014. Smarter design, construction and maintenance

3 to 5 million € each for Research and Innovation Actions

0.5 to 1.0 million € each for Coordination and Support Actions



MG.8.2-2014. Next generation transport infrastructure: ressource efficient, smarter and safer.

3 to 5 million € each for Research and Innovation Actions

OF RAILWAYS

0.5 to 1.0 million € each for Coordination and Support Actions

| | more resource efficient smarter safer | |
|---|--|--|
| Next generation transport infrastructure: resource efficient, smarter and safer | to 7 the performance of infrastructure to accommodate 7 transport demand: transport infrastructure needs to be: This requires a range of innovative solutions: To implement effective infrastructure management To implement effective infrastructure management Iow-carbon construction in all transport modes, development of advanced methods for data collection (including automatic sensing) + analysis. Better integration of infrastructure in its natural habitat with a 1 intrusion of: 7 the safety level of the European roads. Ieveraging European GNSS enabled real-time location data: inciden capable of providing optimal responses to changes in conditions of the network: by all actors in the value chain: infrastructure operators owners Energy harvesting infrastructure. Infrastructure for additions of the network: owners infrastructure operators owners infrastructure operators owners infrastructure beased pro-active safety systems, including: infrastructure in its natural habitat with a 1 infrastructure. Infrastructure operators owners users infrastructure operators owners users infrastructure operators owners users infrastructure operators owners users infrastructure operators owners users | |
| | Proposals can either focus on: technological progress + further advancement in knowledge (Research and Innovation Actions) or on reinforcing networking among operators with a view to enhance the effectiveness of the sector (Coordination and Support Actions). In line with the Union's strategy for international cooperation in research and innovation, international cooperation is encouraged. Effective integration of SMEs in the value chain is strongly recommended. | |
| | | |
| | EXPECTED IMPACT | |
| | Improvement of infrastructure capacity + incident management by means of added-value mobility services across different modes. Deployment of alternative fuels infrastructure in Europe according to the Clean Power for Transport Package objectives. 1 of infrastructure operation energy intensity and subsequent CO2 + pollutants + noise emissions. | |