

UNIFE: Experience on Shift2Rail Open Calls

ERRAC: RAIL 2030 R&I Priorities – Towards Shift2Rail 2

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- **UNIFE is the European Association of train-builders and rail equipment suppliers**
- **A unique network of over 100 member companies from all over Europe and of all sizes (1/3 of SMEs) and 14 National Associations**

World leaders:

UNIFE members have a 84% market share in Europe and supply 46% of the worldwide rail production



UNIFE Members



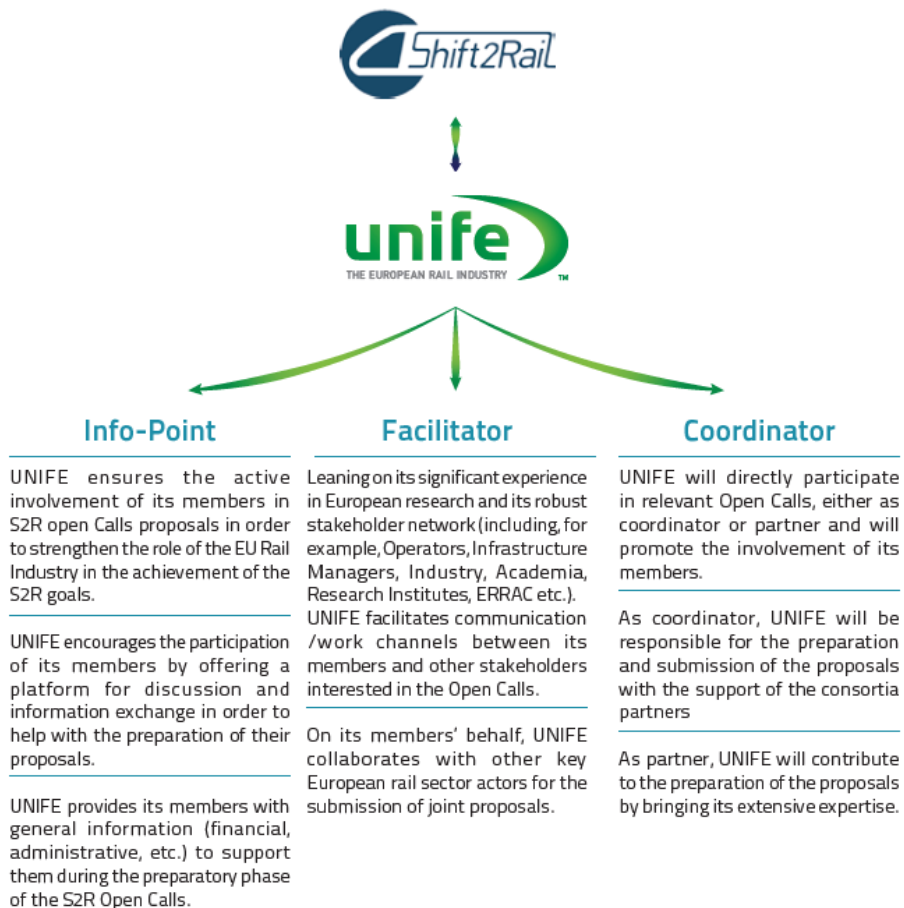
Associate Members



Shift2Rail: UNIFE's support to UNIFE members

UNIFE's current and future role in Shift2Rail

UNIFE is proactively involved in the annual Open Calls and will continue to support its members by playing three crucial roles:



68.5M EUR	→	Total Value of UNIFE Shift2Rail Open Call and Lighthouse projects
20	→	UNIFE Members involved in Shift2Rail Open Call and Lighthouse projects coordinated by UNIFE
19	→	Shift2Rail Open Call and Lighthouse projects where UNIFE is involved
11	→	Shift2Rail Open Call and lighthouse projects coordinated by UNIFE
69%	→	UNIFE success rate in Shift2Rail

Shift2Rail: UNIFE's involvement in Shift2Rail Projects

Coordination



Partner

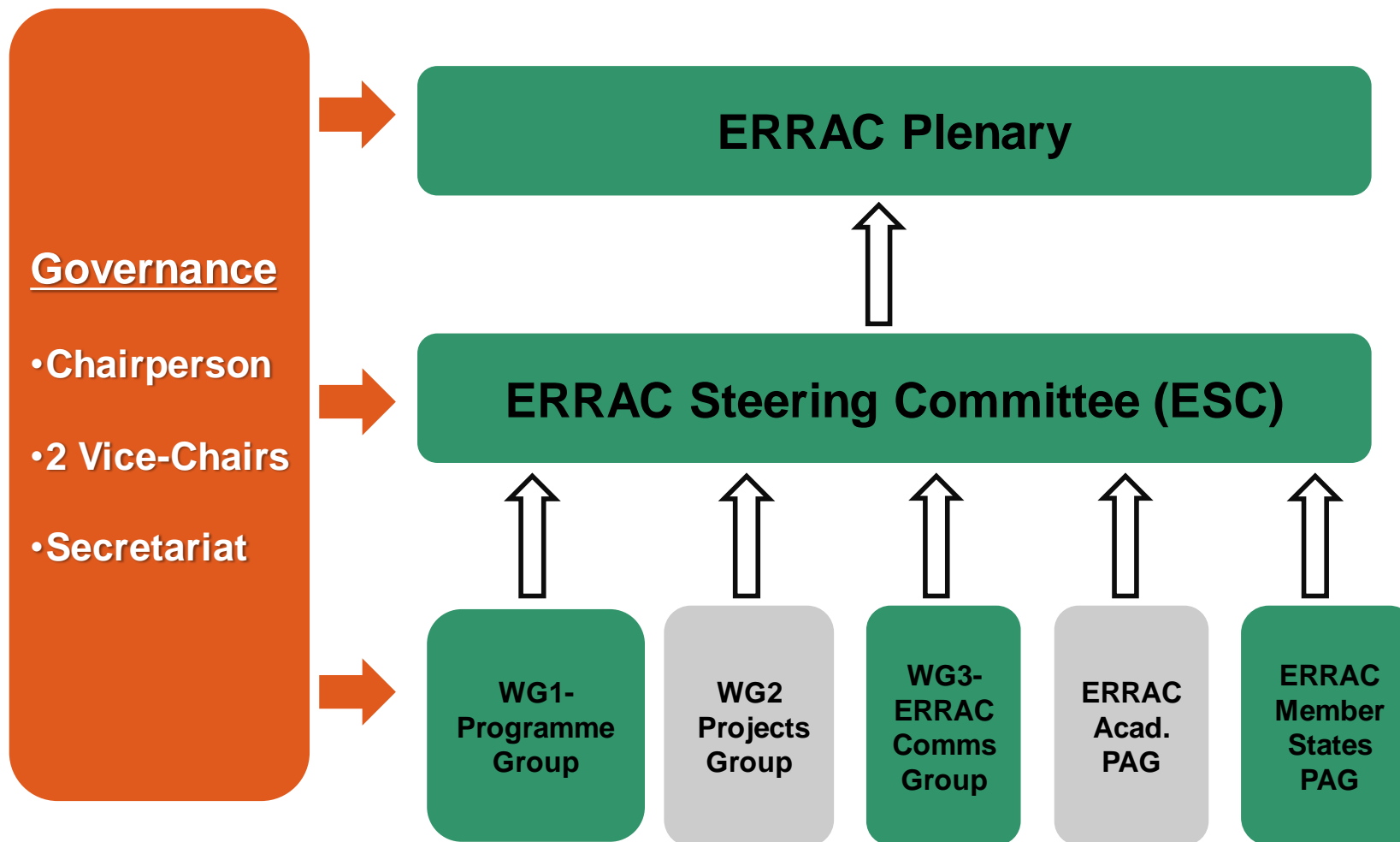




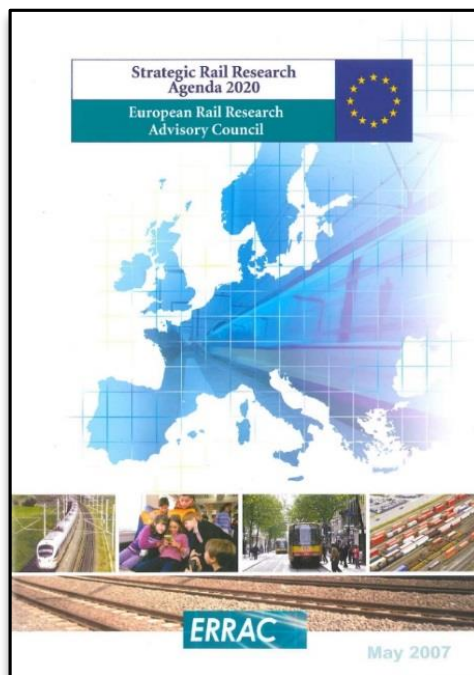
- The **European Technology Platform for rail** - was set up in 2001.
- Promotes the **holistic vision of the rail system with all stakeholders**.
- Aims to **revitalise the European rail sector**.
- **Identifies business needs and innovates to make it attractive and more competitive**.
- **Fostering and guide research efforts at European level**.
- **Representatives from all the major European rail research stakeholders are gathered:**

Operators	Infrastructure managers
Manufacturers	The European Commission
EU Member States	Shift2Rail / ERA
Users' groups	Academics

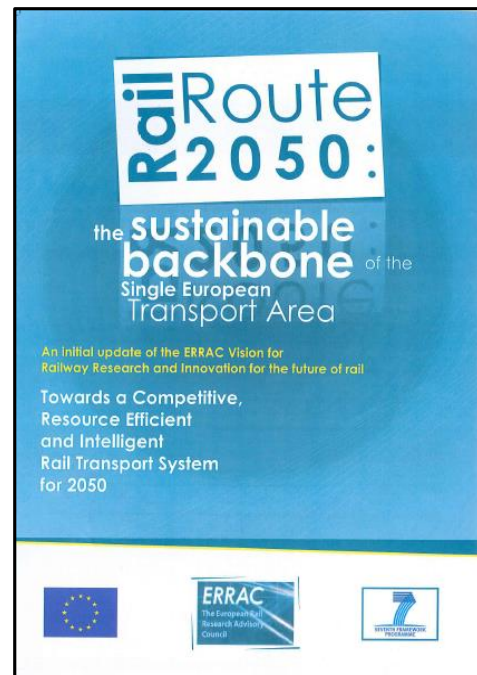
- ERRAC covers **all segments of rail transport**: from conventional, high speed and freight applications to urban and regional services.



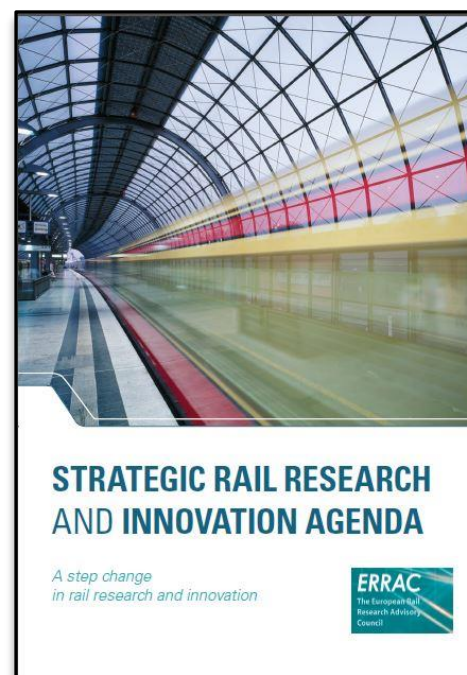
Strategic Rail Research Agenda (SRRRA) *May, 2007*



Rail Route 2050 *2012*



Strategic Rail Research and Innovation Agenda (SRRRIA) *November, 2014*



ERRAC Roadmaps *April, 2016*



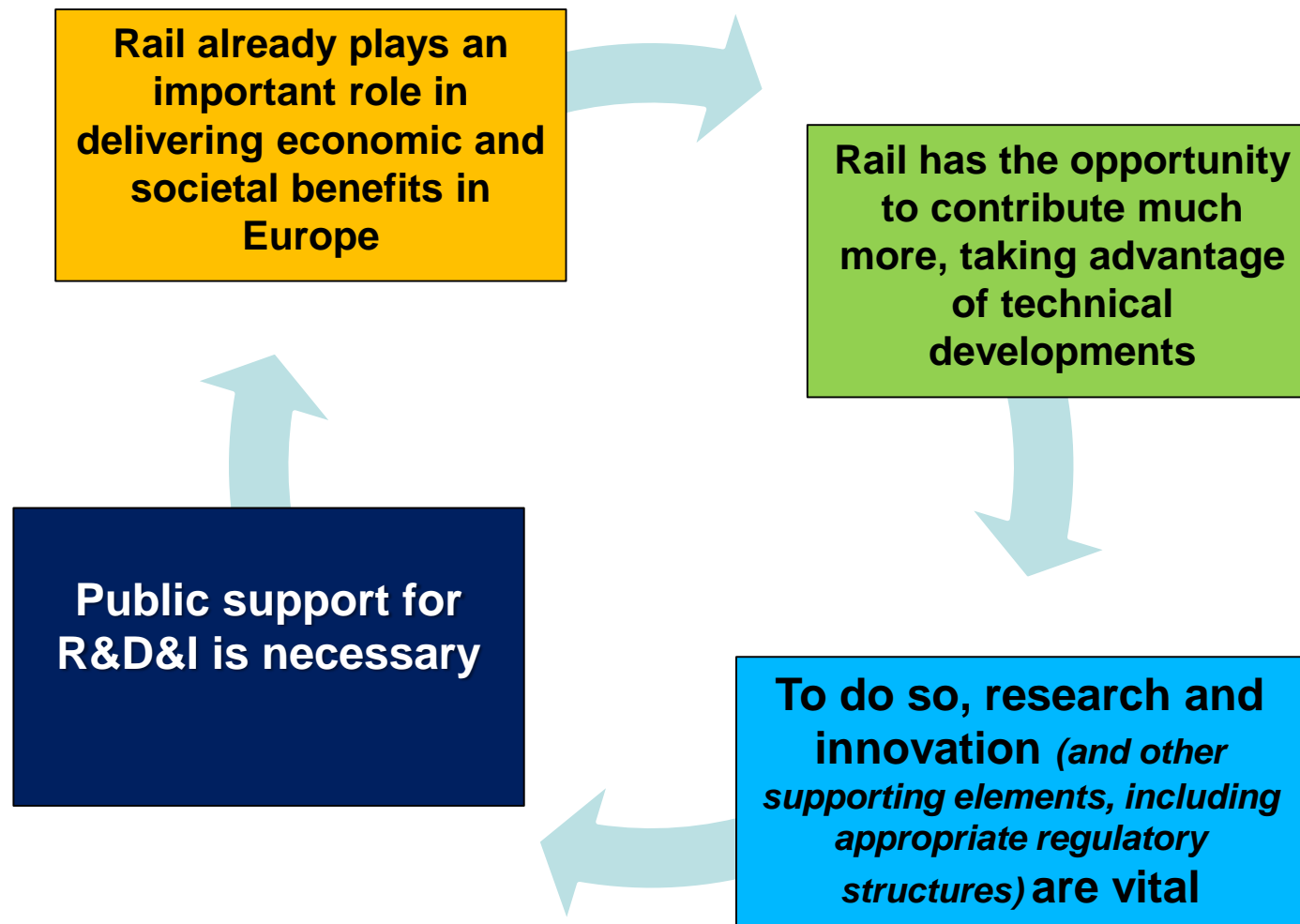
ERRAC 2050 Vision in a nutshell

“In 2050, rail transport in Europe is the backbone of an intermodal “Mobility as a Service” in cities and outside for both passengers and goods, meeting the needs of EU citizens and society. The suppliers and service organisations of the European rail industry are seen as the world’s thought leaders for railway products and services.”

https://errac.org/wp-content/uploads/2019/03/122017_ERRAC-RAIL-2050.pdf



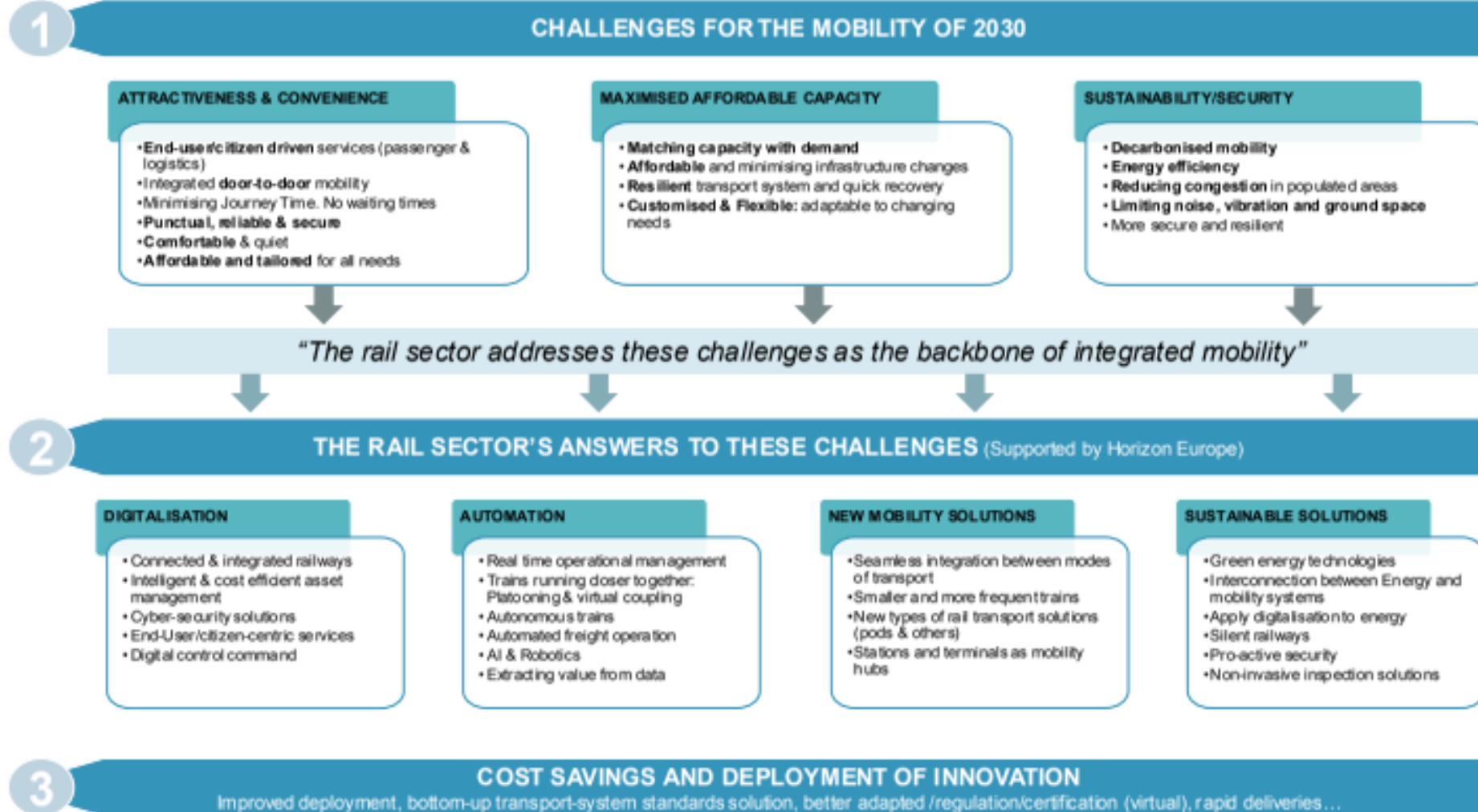
ERRAC Rail 2050 vision in a nutshell (2/2)

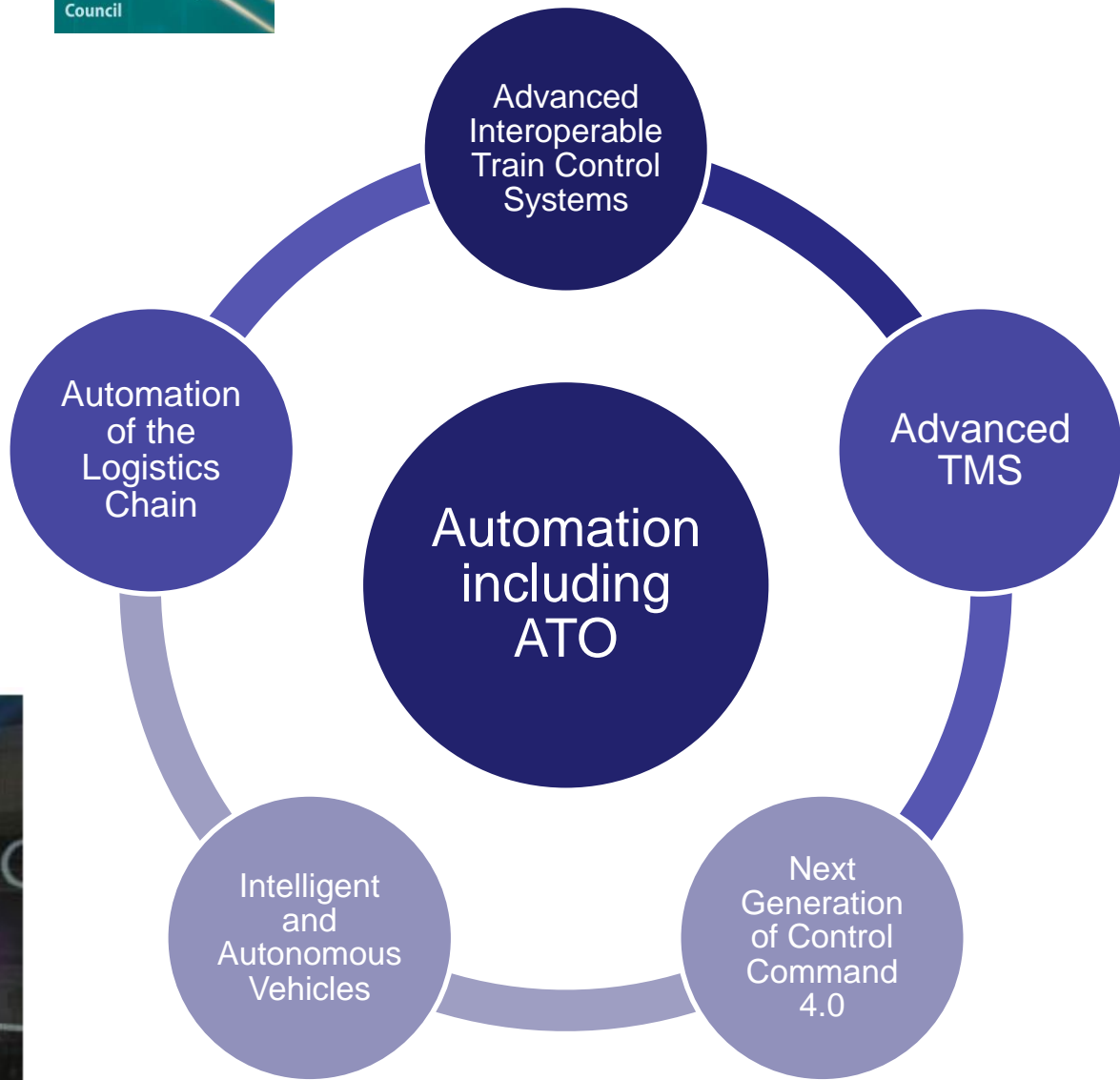


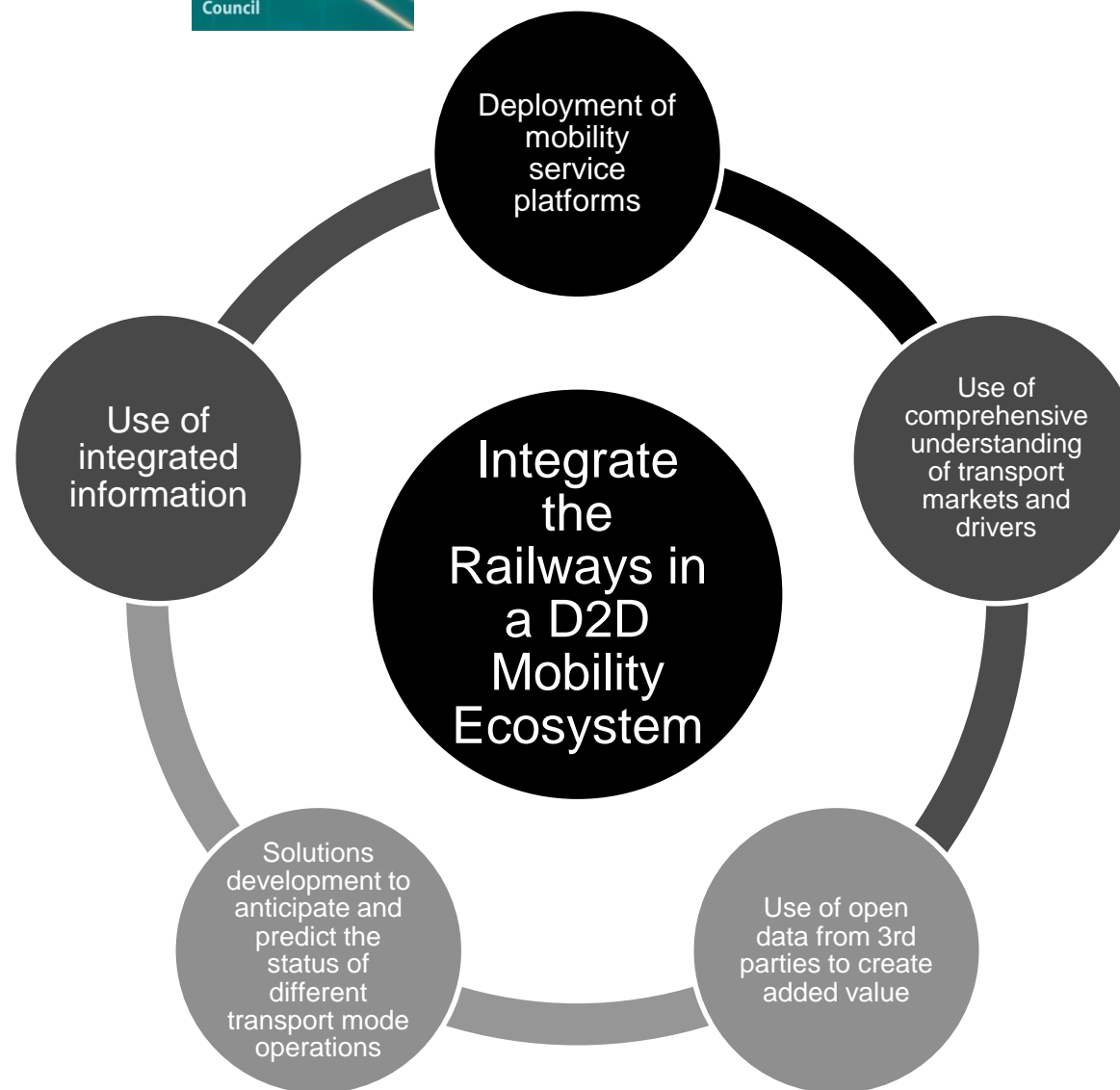
- ✓ Reaching the ERRAC 2050 Vision requires consideration of the stages between today and then, particularly which aspects of the vision should be delivered by each stage, as a guide to **formulating the priorities for research and innovation**. The first such stage is **the period to 2030**, the focus of this document.
- ✓ The 2030 rail system **will interact with other transport modes** and with local, regional, national and European economic activities in transformational societal changes and trends.
- ✓ The objective of the sector is to offer **end-users/citizens easy and seamless access to a portfolio of sustainable mobility options which have rail as their backbone**.
- ✓ This document describes the priorities, which form the base for rail research and innovation, to build up the 2030 railway system.

https://errac.org/wp-content/uploads/2019/09/errac_rail_2030_research_and_innovation_priorities.pdf













Affordable
alternative
propulsion

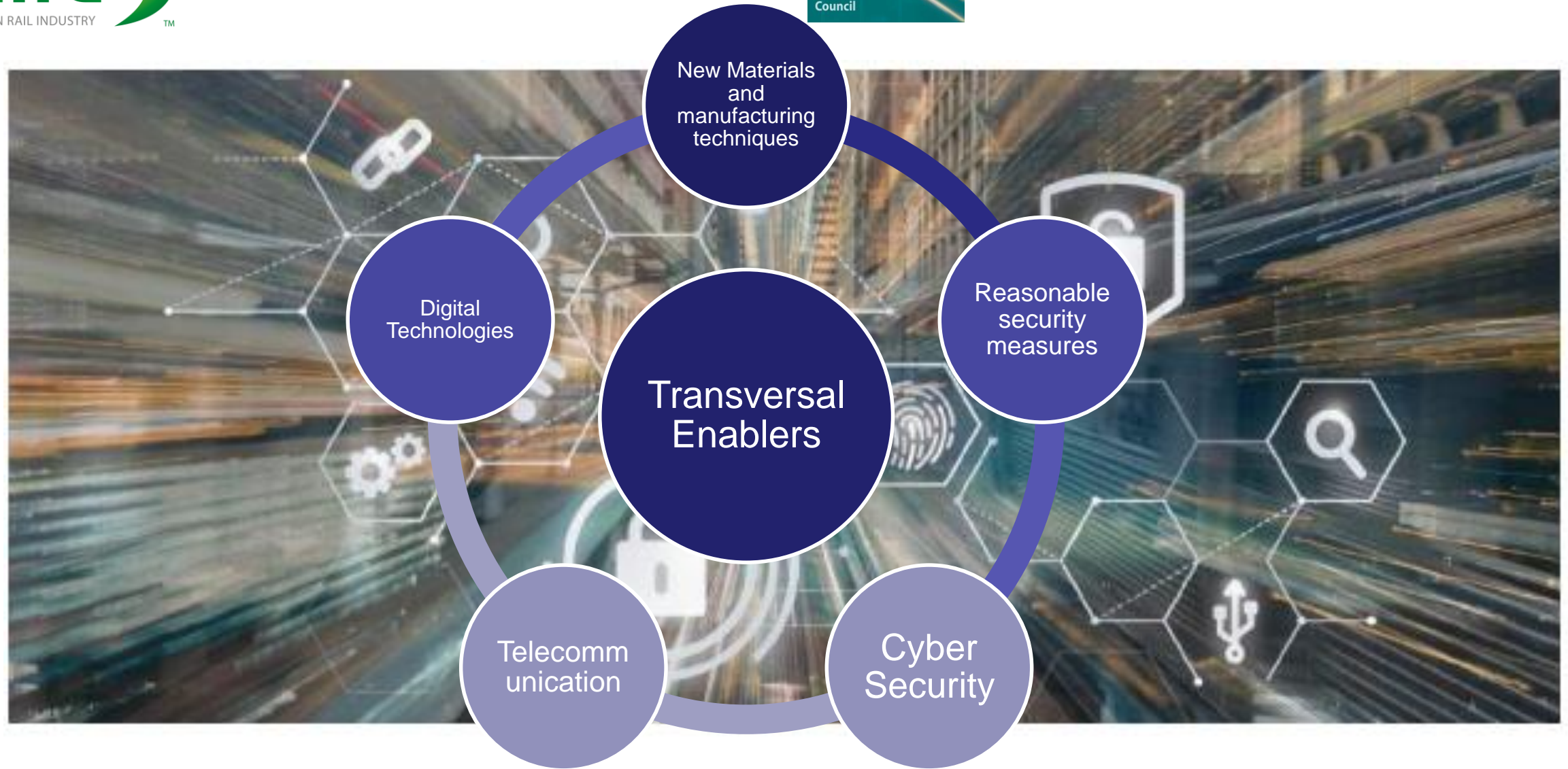
Procedures and
techniques for
recycling
vehicles and
eliminating
polluting
substances

Environmental
sustainability
and carbon
free mobility

Holistic energy
management
approach for
railways

Simulation tools
and procedures
to predict noise
and vibrations





- **We have a momentum – now is the time to act!**
- **Need to get the extension of Shift2Rail in Horizon Europe following the iPPP Model!**



Thank you for your attention!