



## COUNTRY FICHE

### SPECIFIC INFORMATION

#### A: Legal Basis:

Art 20.9 of the Single Basic Act:  The SRG shall report to the GB, and act as an interface with the JU, on the following matters:	Status of relevant national/regional R&I programmes
	Identification of cooperation areas including concrete actions for deployment/uptake of technologies/innovative solutions
	Dissemination events, communication activities
	National/regional measures concerning deployment activities in relation to JU
	National/regional initiatives ensuring complementarities with JU SRIA Agenda/AWP
Art. 20.10 of the Single Basic Act:  The SRG shall submit, at the end of each calendar year, a report:	Describing national/regional policies in the scope of the JU
	Identifying specific ways of cooperation with the actions funded by the JU



**B. Specific Information – *to be filled in by each SRG representative and submitted to the EU-RAIL JU before SRG meetings:***

1. Potential synergies and complementarities with EU-RAIL JU

a. Priority areas linked and/or related to EU-RAIL JU activities:

EU-RAIL JU area	Country's priority area
All	all

b. Priority areas linked and/or related to EU-RAIL specific objectives (art 85(2) SBA)

EU-RAIL Specific Objectives	If any Country's objectives (in prioritization 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> ..) - With specific reference to national project developed  <i>Note: presentation to be delivered at SRG</i>	Suggestions for potential synergies with on-going EU-RAIL projects



	<i>meetings on project details for sharing or publication on EU-RAIL website</i>	
facilitate research and innovation activities to deliver an integrated European railway network by design, eliminating barriers to interoperability and providing solutions for full integration, covering traffic management, vehicles, infrastructure also including integration with national gauges, such as 1 520, 1 000 or 1 668 mm railway, and services, and providing the best answer to the needs of passengers and businesses, accelerating uptake of innovative solutions to support the Single European Railway Area, while increasing capacity and reliability and decreasing costs of railway transport;		DZSF-Projects on, e.g. <ul style="list-style-type: none"><li>• Train station of the future</li><li>• Capacity aspects</li><li>• Reactivation of railway lines</li><li>• Predictive Maintenance</li></ul> See List of reports, List of DZSF research projects
deliver a sustainable and resilient rail system by developing a zero-emission, silent rail system and climate resilient infrastructure, applying circular economy to the rail sector, piloting the use of innovative processes, technologies, designs and materials in the full life-cycle of rail systems and developing other innovative solutions to guided surface transport;		DZSF-Projects on, e.g. <ul style="list-style-type: none"><li>• Climate adaption</li><li>• Environmental monitoring,</li><li>• Predictive Maintenance,</li><li>• Building-Information-Modeling: authorization and supervision aspects</li></ul>



		See List of reports, List of DZSF research projects
develop through its System Pillar a unified operational concept and a functional, safe and secure system architecture, with due consideration of cyber-security aspects, focused on the European railway network to which Directive (EU) 2016/797 of the European Parliament and of the Council ( 39) applies, for integrated European rail traffic management, command, control and signalling systems, including automated train operation which shall ensure that research and innovation is targeted on commonly agreed and shared customer requirements and operational needs and is open to evolution;		DZSF-Projects on, e.g. <ul style="list-style-type: none"><li>• ATO: especially on authorisation of ATO</li><li>• Artificial Intelligence</li><li>• Implementation of a ETCS-Lab and a Cybersecurity Lab for research and authorisation related aspects</li></ul> See List of reports, List of DZSF research projects
facilitate research and innovation activities related to rail freight and intermodal transport services to deliver a competitive green rail freight fully integrated into the logistic value chain, with automation and digitalisation of freight rail at the core;		<ul style="list-style-type: none"><li>• German national funding schemes: e.g. Z-SGV, see Annex.</li><li>• DZSF-Projects on freight and logistics, see List of reports, List of DZSF research projects</li></ul>
develop demonstration projects in interested Member States;		DAC4EU



contribute to the development of a strong and globally competitive European rail industry;		German national calls/funding schemes, see Annex.
enable, promote and exploit synergies with other Union policies, programmes, initiatives, instruments or funds in order to maximise its impact and added value.		

2. Measures concerning deployment activities in relation to the JU

DAC4EU, EUlynx

3. Specific project-level dissemination events, communication activities

Proposal: ERJU FAs should organise special events at project/sub-project level to discuss/to disseminate their results with the scientific community and practitioners.

DZSF-Dissemination events by topic or by project:

[https://www.dzsf.bund.de/DZSF/DE/Veranstaltungen/veranstaltungen\\_node.html;jsessionid=01BC0ECB9F36AAA36788AC55BF231F0E.live21301](https://www.dzsf.bund.de/DZSF/DE/Veranstaltungen/veranstaltungen_node.html;jsessionid=01BC0ECB9F36AAA36788AC55BF231F0E.live21301)