COUNTRY FICHE AUSTRIA

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 **"Mobilitätswende" – ongoing programme** **"Rail4Climate" – ongoing programme**
	Identification of cooperation areas including concrete actions for deployment/uptake of technologies/innovative solutions
	Dissemination events, communication activities **Permanent communication with target groups on conferences, fairs and in specific networks; stakeholder events and presentations through ministry and FFG actions**
	National/regional measures concerning deployment activities in relation to JU **Objectives of the national "FTI-Agenda Mobility 2026" supports EU-RAIL topics.**
	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 **Aims of the national "Masterplan Mobility 2030" support objectives of EU-RAIL.**
	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
FA 1, FA 4	**Cities: Shaping urban mobility in a climate-neutral way**
FA 6, FA 4	**Regions: Mobilizing rural areas and connecting them sustainably**
FA 2, FA 3, FA 4, FA 5	**Digitalization: Operating infrastructure, mobility, and logistics services efficiently and in a climate-friendly manner**
FA 4, FA 5	**Technology: Developing environmentally compatible transport technologies**
List of national funded projects related to the areas of interest of EU-RAIL	**Trackscan (until 2024): AI-based infrastructure monitoring in railway environments.** **SMACS (until 2025): Digital assistant for condition-based, intelligent maintenance of heating, ventilation, and air conditioning (HVAC) systems in trains.** **CemSleeper (until 2023): Development of cement-impregnated veneer wood railway sleepers.** **LeWeLaS (until 2023): Clay as a material for noise protection walls in railway systems.** **AM4Rail (until 2024): Data pipeline to assess the potential of additively manufacturing railway spare parts.** **nBrake (until 2026): Innovative braking system for high sliding speeds in rail vehicles.** **TANA (until 2024): Space concepts for combined day and night trains.**

	MOBILIZE (until 2023): Mobile multisensor system to increase operational safety in railway systems. **VIPES (until 2025): Efficient design of circulation plans for locomotives and shift schedules for train personnel.** **TARO (until 2023): Digital twin to increase capacity, productivity, and quality in railway systems.** **RAISA (until 2024): Data generator for detecting events in video files (train doors) to protect passengers.** **KlimZug (until 2024): Extreme weather scenarios for ÖBB's rail infrastructure; analysis of climate change impacts.** **RailCharge (until 2023): Analysis of technical, transport planning, and mobility behavior aspects of auto-trains with BEV charging options.** **DACIO (until 2024): Implementation of a digital automatic coupling (DAK) to increase productivity.** **FR8RAIL IV (until 2023): Increasing the degree of automation in rail freight transport.** **RegioWoodTrain (until 2027): Pilot implementation of sustainable and cooperative wood transport strategies.** **META-TRAIN (until 2028): Improving the accuracy of predicted arrival times in Austrian single-wagon transport (using a digital twin).** **H2RailTube (until 2024): Steel containers for intermodal hydrogen transport, e.g., for railway energy supply.**

	DyMo-FL (until 2025): Automated load weight determination using telematics and sensor systems. **Physical (until 2025): Leader project with 4 pilots for cooperative logistics (2 with rail focus: smart wood logistics, transport management platform).** **NITOB (until 2023): Identifying optimization potential for intermodal rail freight measures.** **CargoPV+ (until 2024): Express freight transport in passenger rail services.**

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 1st, 2nd, 3rd..) - With specific reference to national project developed ***Note: presentation to be delivered at SRG meetings on project details for sharing or publication on EU-RAIL website***	Suggestions for potential synergies with on-going EU-RAIL projects
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	**1st priority**	

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;		
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;		
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 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;		
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;	**3rd priority**	
develop demonstration projects in interested Member States;		
contribute to the development of a strong and globally competitive European rail industry;	**2nd priority**	
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

   (…)

3. Specific project-level dissemination events, communication activities

   (…)