

R&I Focus Area „Mobility Transition“

Based on the Austrian R&I Mobility Strategy 2030

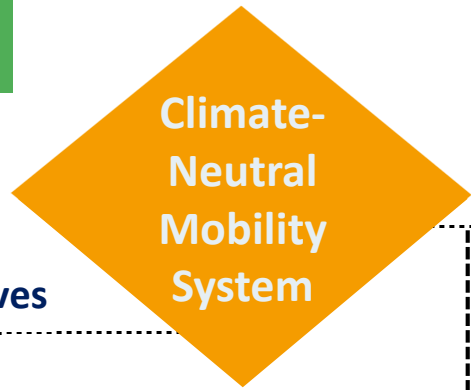
Sarah Bittner-Krautsack

Department I 4 – Mobility and Transport Technologies
Federal Ministry for Climate Action, Environment, Energy,
Mobility, Innovation and Technology

Destination Landscape

Avoid	Shift	Improve
Max. 10 per cent increase of freight transport volume by 2040 (with an expected economic growth of 40%)	47% eco-mobility share in transport volume	100% of new busses emission-free by 2032
Reduction in the volume of transport to roughly 33.2 kilometres per person per day	Doubling the share of cycled distances to 13% by 2030.	100% of new passenger cars and two-wheelers emission-free by 2030
	60 % of distances travelled using eco-mobility	100% of rail transport climate-neutral until 2040, mostly decarbonized by 2035
	Raising modal split of rail to 40%	100% of new HCV emission-free until 2030 (<18t) and 2035 (>18t)
	Reducing modal split of private motorized transport to 42%	

Carbon-neutral scheduled collective travel below 500 km within the EU	100 climate neutral cities until 2030	At least 30 Mio. emission-free road vehicles until 2030
Large-scale Introduction of Automated Mobility	Doubling high-speed rail traffic by 2030	Multimodal Trans-European Transport Network (TEN-T) for sustainable and smart transport with high speed connectivity will be operational
Nearly all passenger cars, vans, busses and new trucks are emission-free until 2050	Doubling rail freight until 2050	



Mobility Master Plan

National Objectives

EU Objectives

Sustainable and Smart Mobility Strategy

Green Deal

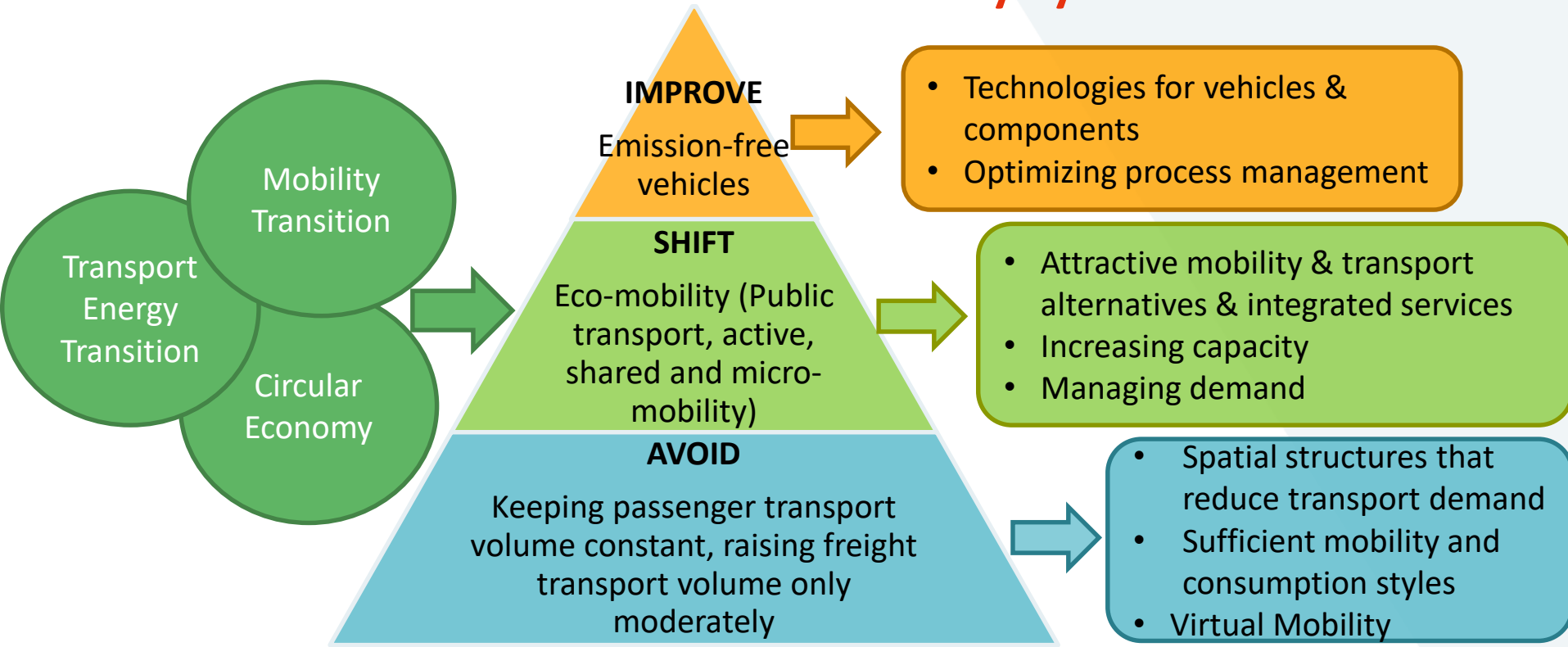
Circular Economy Action Plan

Hydrogen Strategy

Build 1 GW of electrolysis capacity by 2030 for all applications (in the mobility sector priority for aviation and shipping, less priority for long-distance lorries and coaches).

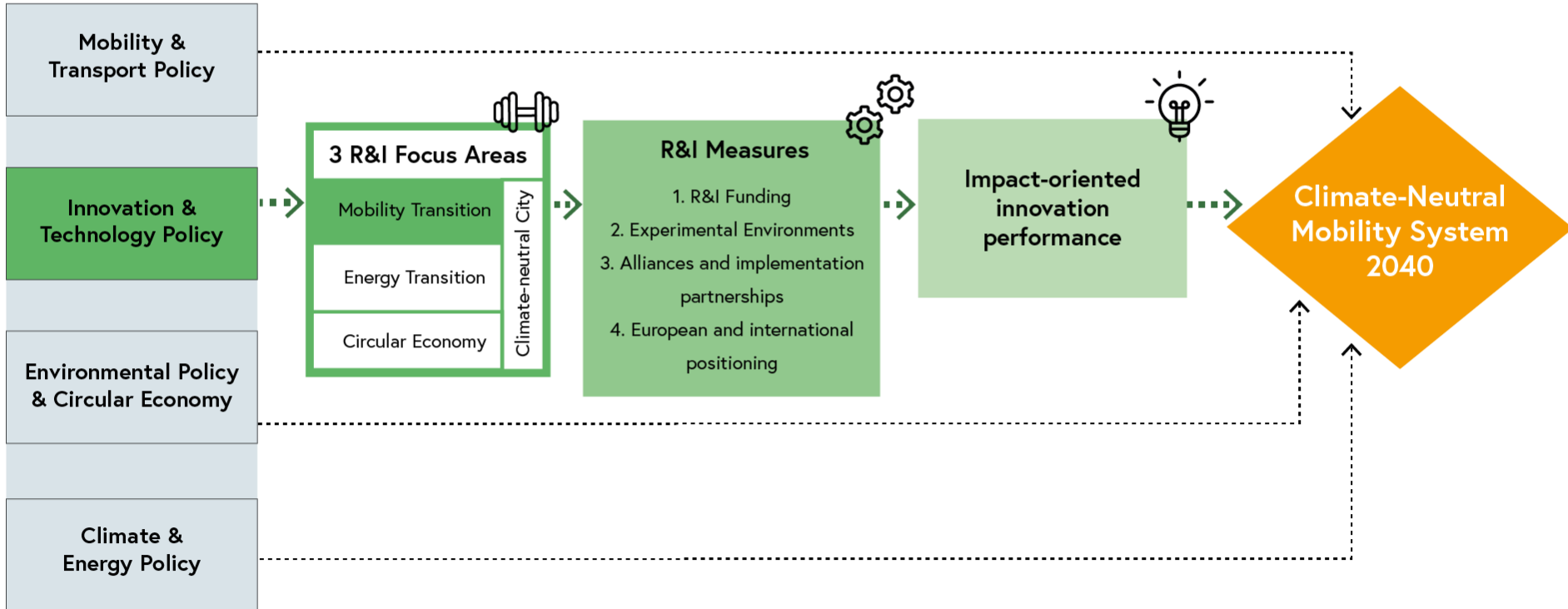
Pollutant-free environment (air, soil, water) until 2050	Reduction of EU greenhouse gas emissions by 55% until 2030 (compared to 1990)
1 Mio. public charging stations in Europe until 2025	Reduction of transport-related greenhouse gas emissions by 90% until 2050 (compared to 1990)

Innovations for a climate-neutral Mobility System in 2040

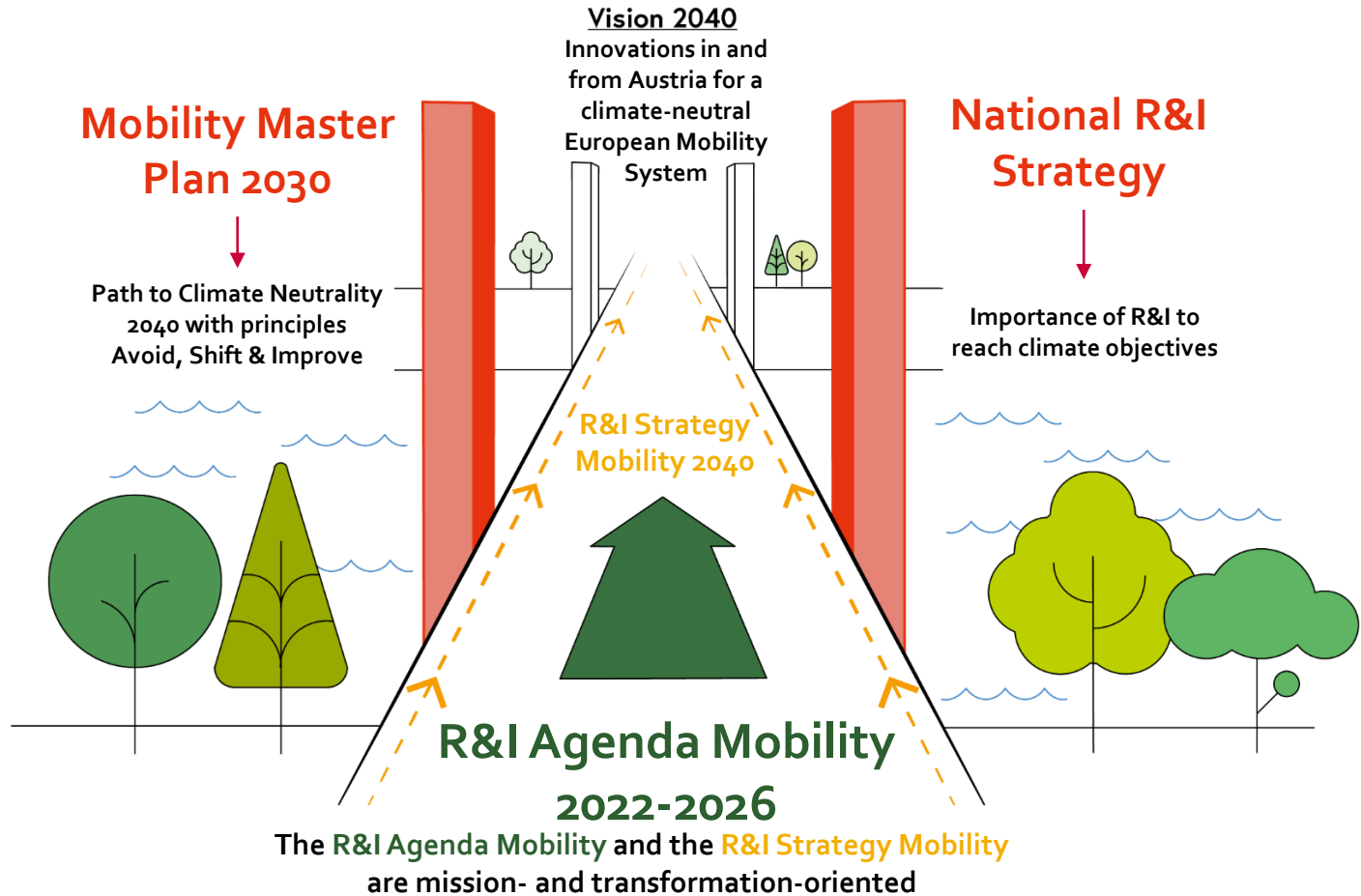


The BMK as R&I political initiator

Target Vision: „Innovation in and from Austria for a Climate-neutral Mobility System in Europe “



The Interplay of R&I and Mobility Policies



The Mission Areas of the Austrian R&I Mobility Strategy



Cities:

Promoting
climate-neutral
urban mobility



Regions:

Mobilising and
sustainably
connecting rural
areas



Digitalisation:

Efficient and
climate-friendly
operation of
infrastructure,
mobility, and
logistics services



Technology:

Developing
environmentally
friendly transport
technologies

R&I measures



R&I funding

1.1 National R&I funding

1.2 Transnational R&I funding

1.3 European R&I funding



Exploration Spaces

2.1 Mobility laboratories

2.2 Testing areas and facilities

2.3 Regulatory sandboxes



Alliances and implementation partnerships

3.1 with **platforms, networks and operators**

3.2 Alliances **across thematic and policy fields**

3.3 with **funding and implementation agencies**

3.4 with **R&I projects and base-financed non-university research institutions**



European and international positioning

4.1 **European technology- and innovation platforms**

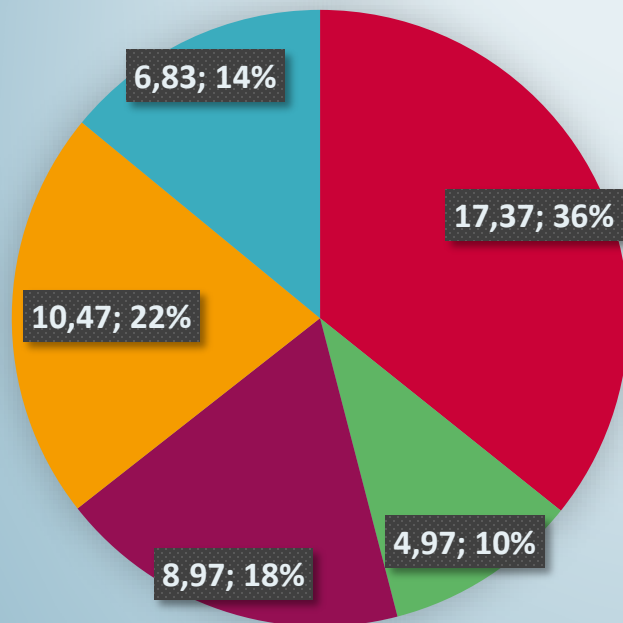
4.2 **Horizon Europe**

4.3 **Transnational cooperations**

4.4 **International cooperations**

**Total budget 2022 & 2023:
ca. 98 Mio. EUR**

Mobility Transition – R&I Funding 2022: 48.6 Mio. EUR



- **Cities:** Making urban mobility climate-neutral
- **Regions:** Mobilizing and sustainably connecting rural areas
- **Digitalization:** Efficient and climate-friendly operation of infrastructure, mobility, and logistics services
- **Technology:** Developing environmentally friendly transport technologies
- **Contributing to multiple mission areas**

Contact Details

R DI (FH) Sarah Bittner-Krautsack MBA

Federal Ministry for Climate Action, Environment, Energy, Mobility,
Innovation and Technology

Directorate General III – Innovation and Technology

Department I.4 – Mobility and Transport Technologies

sarah.bittner-krautsack@bmk.gv.at

Q&A