

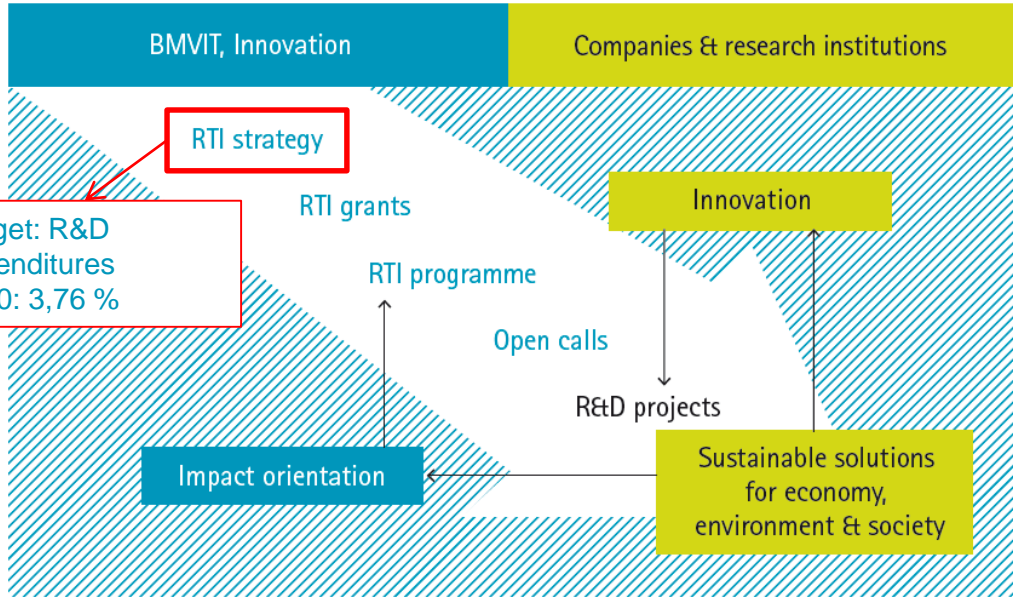
The Austrian approach in supporting a sustainable transport system by RTI funding activities



Austrian competences in Physical Internet

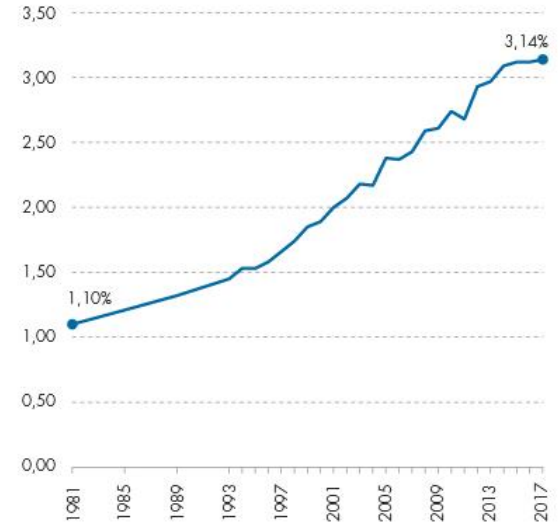


Applied Research within BMVIT

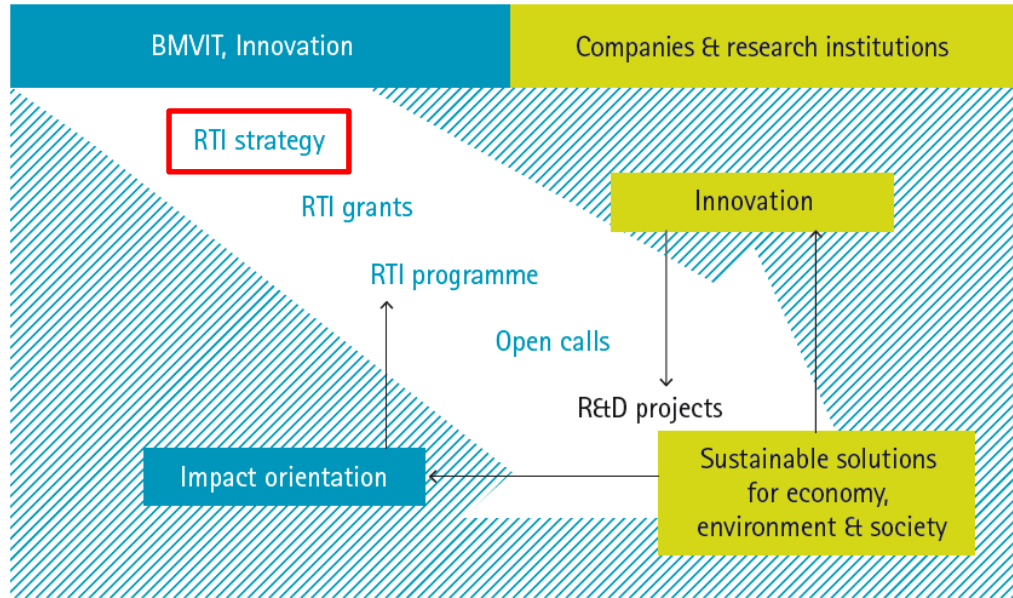


Target: R&D expenditures 2020: 3,76 %

Bruttoinlandsausgaben für F&E in % des BIP



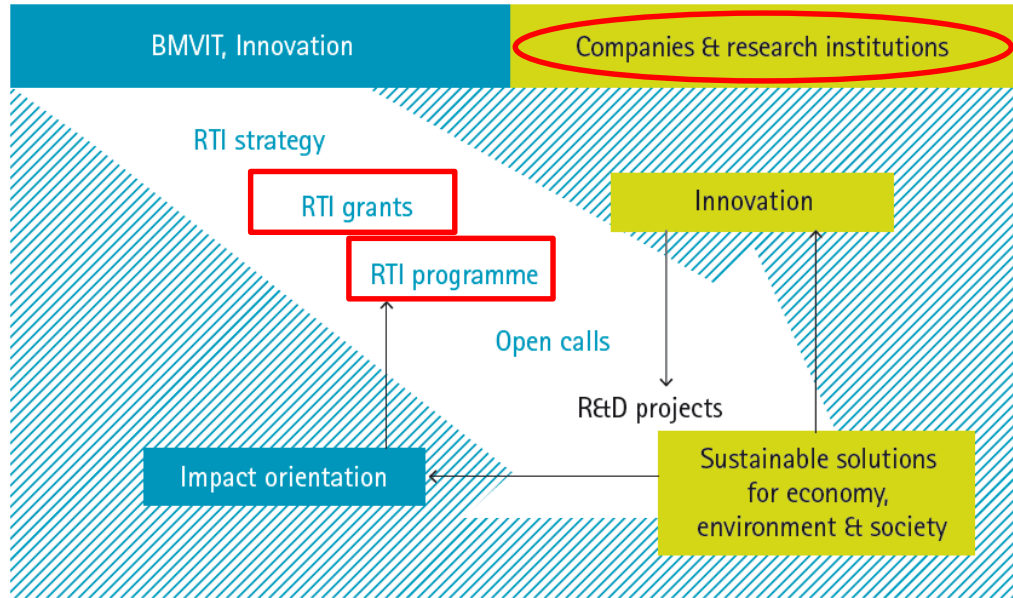
Applied Research within BMVIT



– BMVIT's objectives:

- increase the **research, technology and innovation intensity** of the Austrian business sector
- Develop **technologies** for overcoming the **grand challenges** of the future
- Increase the **number of people employed** in the area of **technology and innovation** with special attention to proportion of women

Applied Research within BMVIT



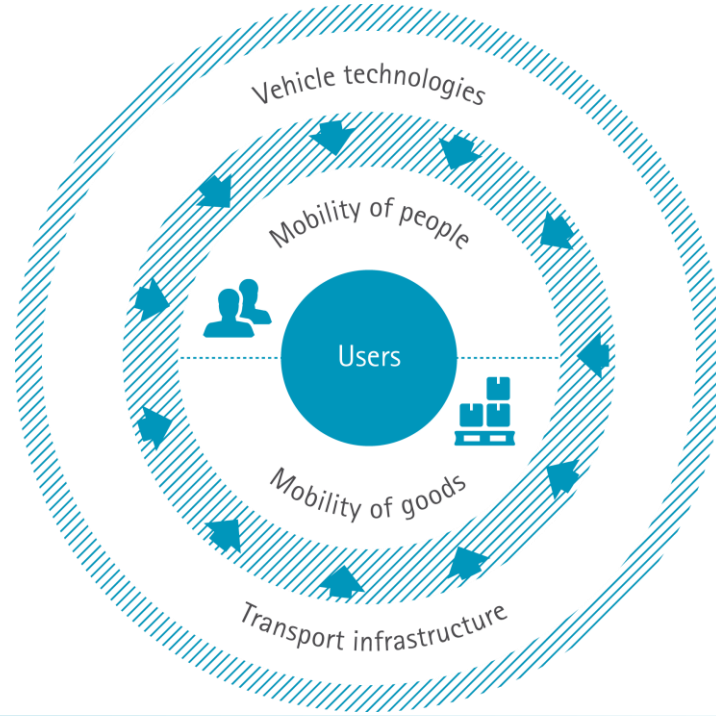
– Thematic RTI programmes for

- Mobility
- Environment and Energy
- Production
- ICT
- Security
- Space

I Programme Design

Mobility of the Future

- Duration: 2012-2020
- Budget: ~20 million/year
- 4 thematic fields
- Calls are managed by



Objectives of Mobility of the Future

Strategic programme objectives

Society

- Usability and accessibility of the transport system
- Sustainability forms and patterns of mobility
- Quality and availability of the transport infrastructure despite difficult economic conditions
- Ensuring the supply of goods and services

Environment

- Reducing emissions
- Reducing energy and resource consumption
- Balance of interests between transport route, human habitat and ecosystem

Economy & Research

- Competitiveness in the transport sector
- Competency leadership in the area of mobility
- Building up and accelerating international cooperations

IMPACT:

- economic growth
- improvements for environment
- improvements for society

OUTCOME:

- new and improved **products, processes, services, business models**
- new **knowledge** by focusing on a specific application (e.g. patent, publication)

Operational programme objectives

1

Supporting **technological innovation** in the area of mobility

2

Supporting **social and organisational innovation** in the mobility system

3

Strengthening the **connection between RTI policy and transport policy**

4

Expansion of **knowledge and networks** in the area of mobility

Mobility of Goods: 5 Main Research fields



Sustainable Mobility of Goods in Areas of High Population Density



Sustainable Mobility of Goods in Areas of Low Population Density



Multimodal Hubs

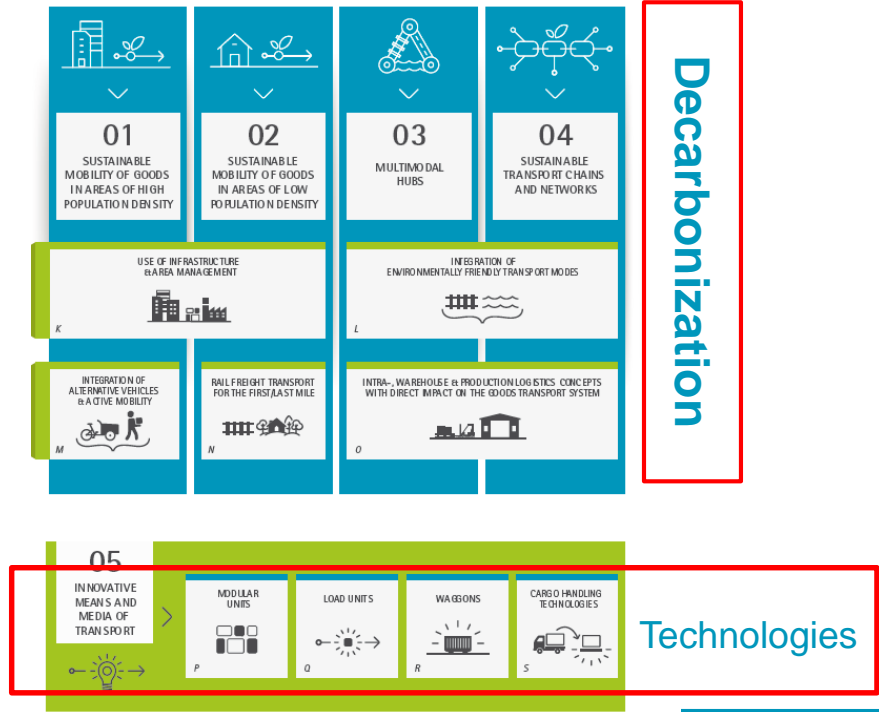
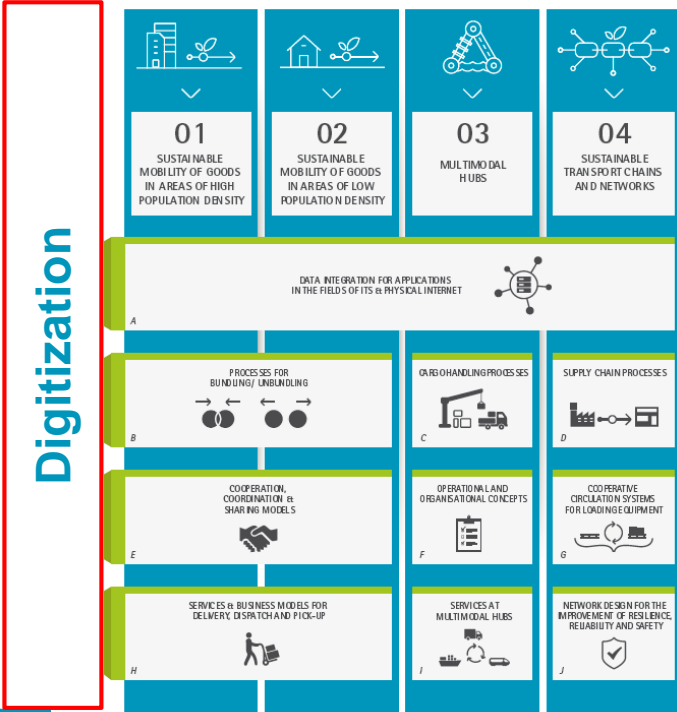


Sustainable Transport Chains and Networks



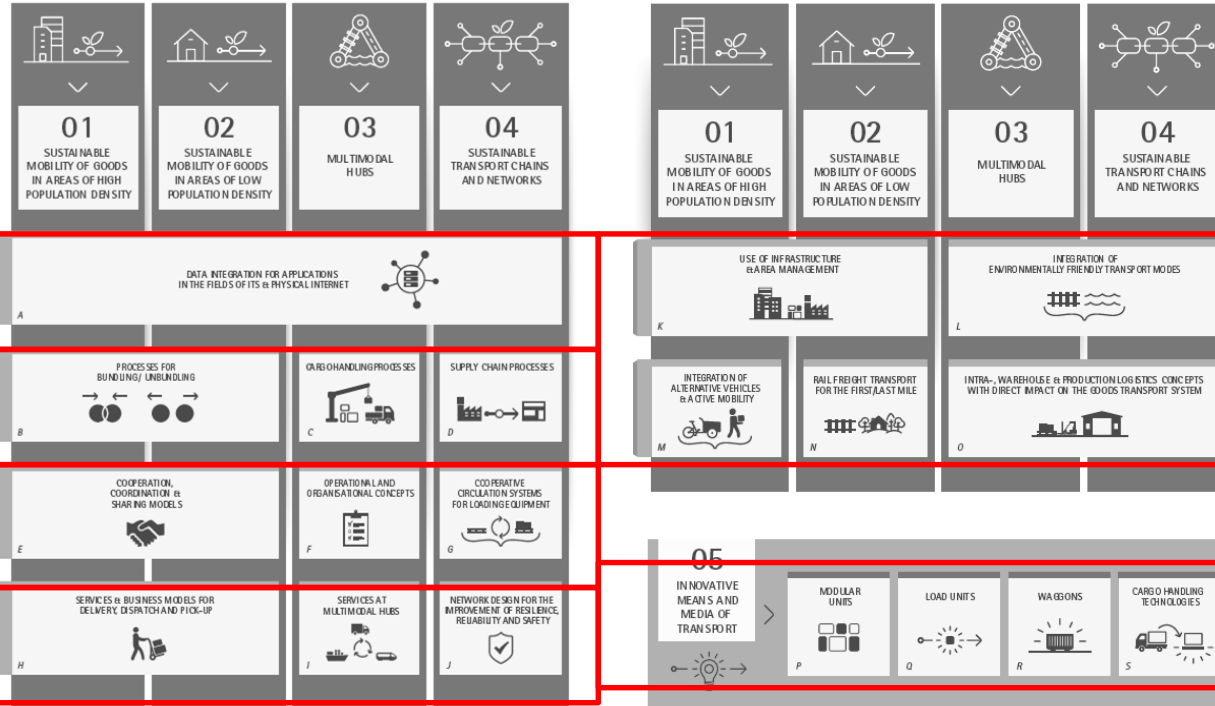
Innovative Means and Media of Transport

19 Research Topics



12 MOBILITY OF THE FUTURE

Sarah Bittner-Krautsack, Unit of Mobility and Transport Technologies



II Results & Effects

Preliminary results – Mobility of Goods

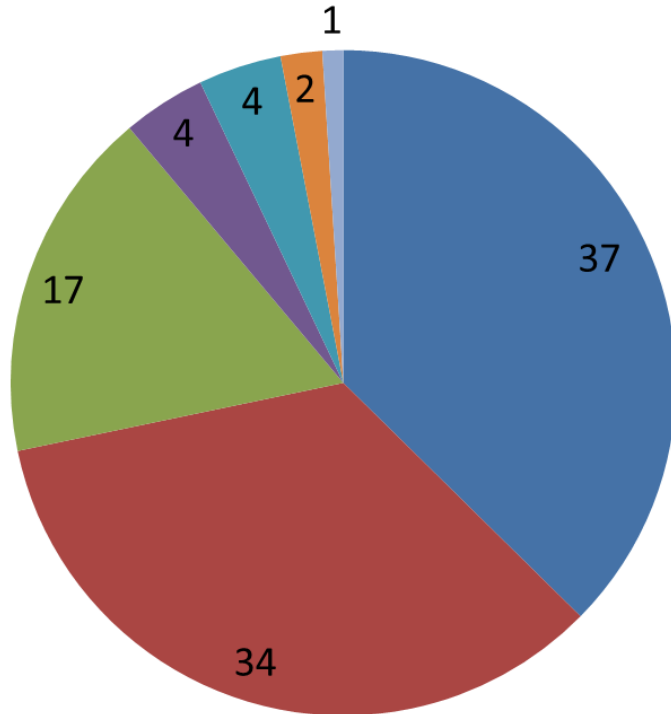


99 RTI-
projects

21 Mio. EUR
funding

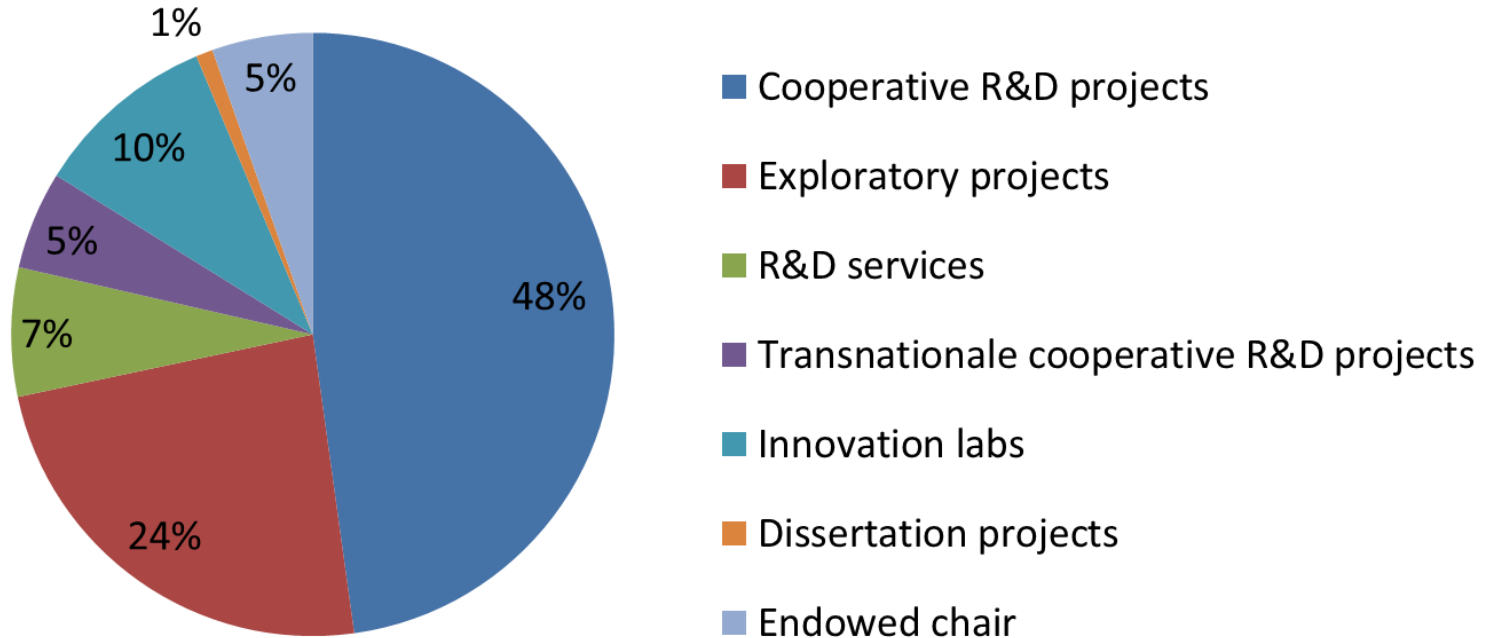
7
instruments

Projects by instruments (n=99)



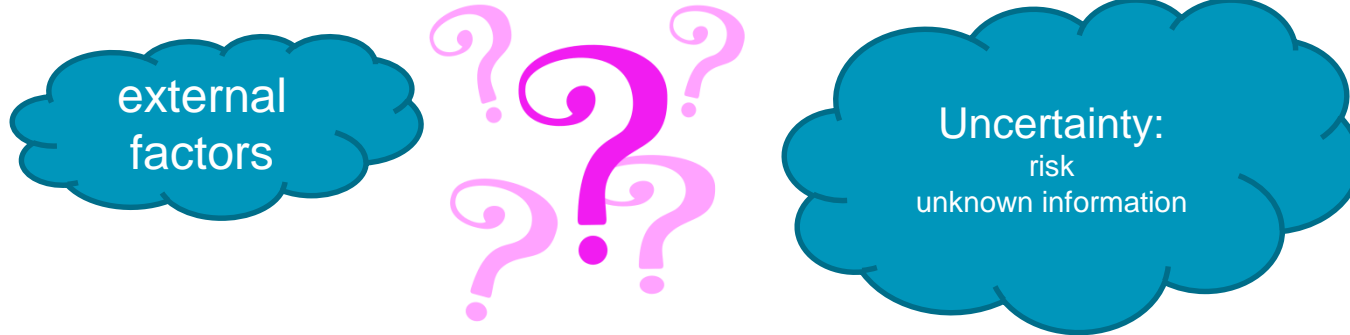
- Cooperative R&D projects
- Exploratory projects
- R&D services
- Transnationale cooperative R&D projects
- Innovation labs
- Dissertation projects
- Endowed chair

Budget by instruments (n=21 M EUR)



Effects

- **Economic Growth**
- Improvements for **Environment**
- Improvemetsns for **Society**



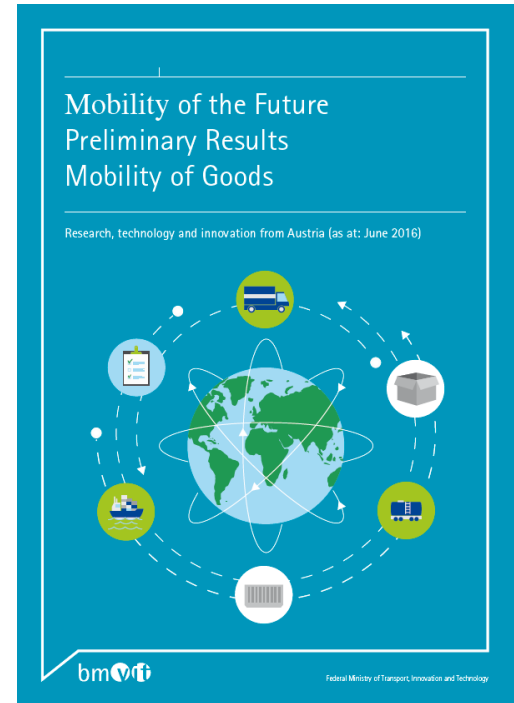
- Results of the projects:
 - **products, processes, services and business models, knowledge**

RTI grants ...

- Don't have linear, but systemic effects
- Have cumulative effects
- Acts through a variety of external factors
- Have long-term effects only

Brochure on Preliminary Results Mobility of Goods (2012-2016)

- Printed version
- [Online version](#)
- Videos of PI related concluded projects



Creating Structures - Endowed Chair

- **Topic „Sustainable Transport Logistics 4.0“**
- **Funding:** 1,2 M EUR (50 % of total costs)
- **Johannes Kepler University Linz** in cooperation with
 - Logistikum research and education institute of the University of Applied Sciences Upper Austria, DB Schenker, Österreichische Post AG, Hödlmayer International AG, Pfeiffer HandelsgmbH
- Position expected to be filled in **2018**
 - **Vacancy for Professor for Sustainable Transportation Logistics with a focus on the Physical Internet**

Creating Structures – Innovation Labs

- Topic „Urban Mobility Labs“
- Funding:
 - max. 1 M EUR/innovation lab for max. 4 years
 - max. 50 % of total costs
- 4/5 cover (also) Mobility of Goods



Eine Initiative des Bundesministeriums für Verkehr, Innovation und Technologie im Programm Mobilität der Zukunft

II Non-Monetary Supporting Activities

Networking

- Event series „Successful through innovation“
- Networking workshop(s) on
 - concluded R&D projects
 - women in transport logistics
 - dissertation projects
- Supporting fora on relevant topics



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Linking with European initiatives



- European Technologies Platform



- IP 5: Technologies for Sustainable & Attractive European Rail Freight

TRA 2018 in Vienna

– 16 -19 April 2018, Reed Messe Wien



Becoming a partner in the interactive (demonstration & show case) zone!

- [Call for Interest](#)
- Deadline: 15 September 2017



Thank you.

Sarah Bittner-Krautsack

Federal Ministry of Transport, Innovation and Technology
Unit III/I4 – Mobility and Transport Technologies

Programme Officer

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