

over
1.300
employees

bmvit

8 Centers

Austria's largest
RTO

Infrastructure Systems

System
Competence

Applied Research

Next Generation
Solutions

2 Subsidiary
Enterprises

Federation of
Austrian Industries

143
m EUR total revenue

Tomorrow Today



FUTURE-PROOF POLICIES



FUTURE-PROOF POLICIES

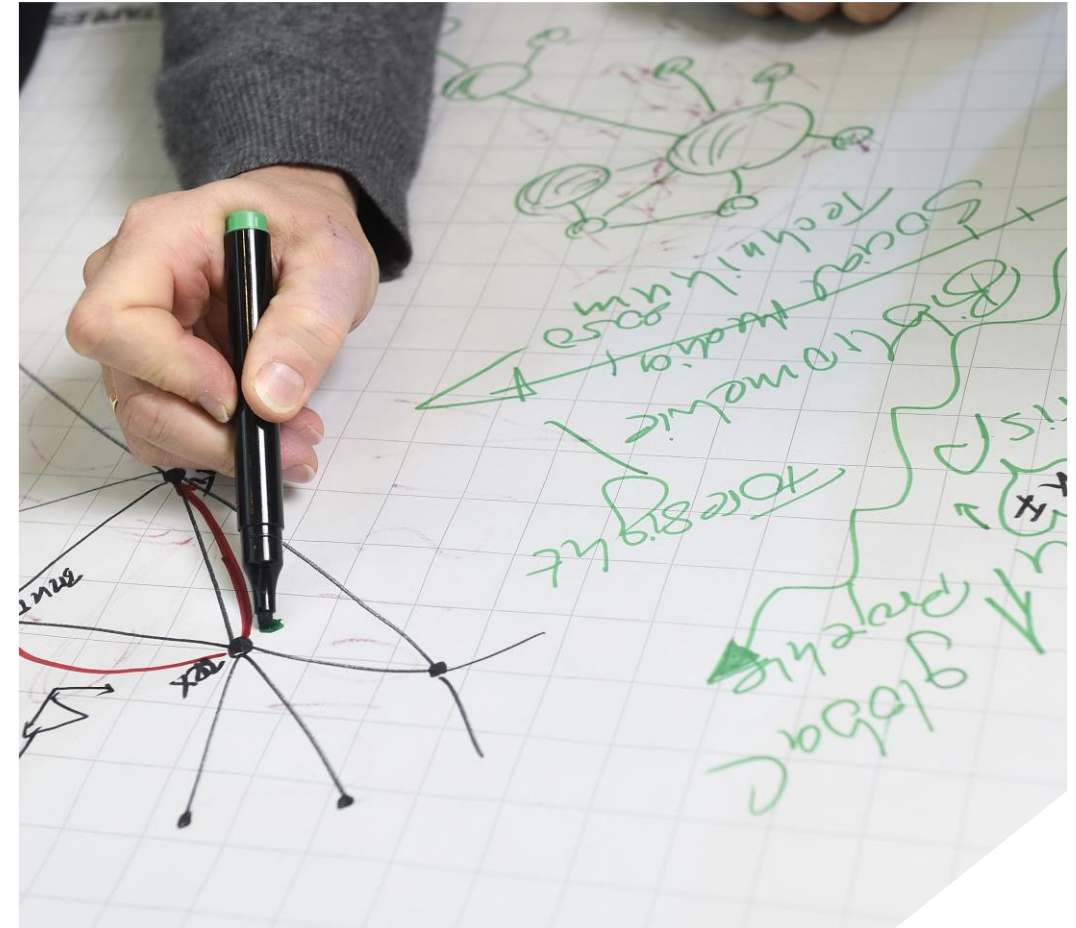
The Center for Innovation Systems & Policy is a central node in national and international research and innovation networks and an important partner for public administration, companies, universities and research institutes.



FUTURE-PROOF POLICIES

Challenges

- Promising technologies
- Substantial changes to ownership and management in parts of the transport / technology system
- Multiple political and corporate decision-takers on mobility issues
- Diverse mobility needs, interest groups



FUTURE-PROOF POLICIES

- Less ,done by the state' and 'received by the system'
- Increasingly negotiated by networks of stakeholders (governance)
- Built on shared vision from different perspectives as solid base for decision-taking



INNOVATION STRATEGIES



Industrie 4.0

- Perspectives for Employment in the Logistics Sector
- Commissioned by the Federal Ministry of Transport, Innovation and Technology

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Everything will be connected

INDUSTRIE 4.0

Challenge: Progressing automatisatisation in economic activities

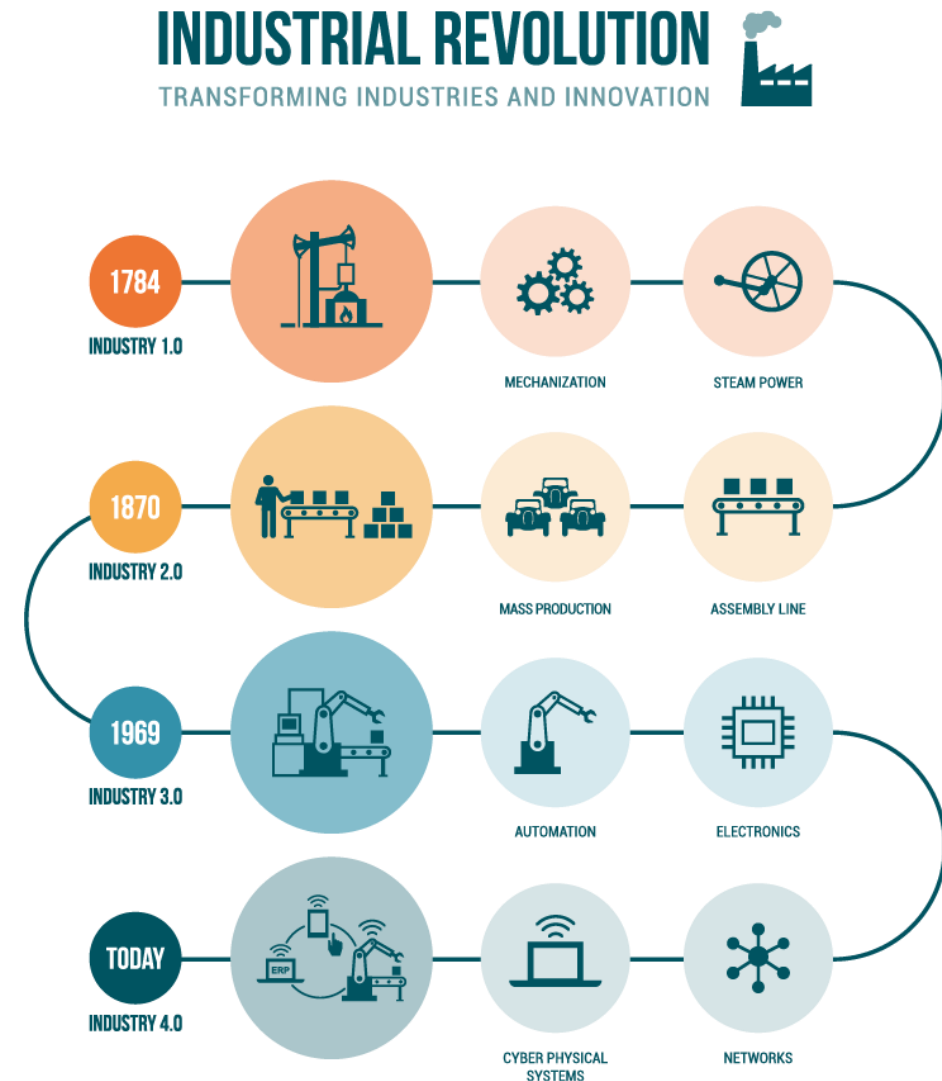
- How will employment in Austrian production develop until 2025?
 - Logistics sector
- Which opportunities and risks?

Required for

- Strategic investment decisions for securing competitiveness
- Forward-looking policies and support measures

INDUSTRIE 4.0

- Reorganisation of the value chain into value networks
- Key technologies
- New digital products and services



INDUSTRIE 4.0: WAYS FORWARD FOR LOGISTICS

Scenario „Industrie 4.0 dreams“

- Competence shift: more „knowledge“ skills, less „physical“ skills
- Work models and work times: freelancers, ‚feel free to work‘
- Job shifts towards higher qualification, repair and maintenance, service
- New jobs: R&D, knowledge and innovation management, robotics



FORESIGHT FOR POLICY



KoStrat-Aktif



- Coordinated strategies for active mobility in demographic change
- Commissioned by the Federal Ministry of Transport, Innovation and Technology



KOSTRAT-AKTIL

Challenge: demographic change, quality of life and the future of mobility

- In which direction do **research, technology and innovation strategies in mobility** need to develop to secure resp. improve quality of life?
- Which **research investments** will have the strongest impact?

KOSTRAT-AKTIL: MOBILITY & QUALITY OF LIFE



WORKING WORLDS OF THE FUTURE



Mobility 2040

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- Occupations and Opportunities for Employment in an Automated and Digital Austrian Mobility Sector 2040
- Commissioned by the Federal Ministry of Transport, Innovation and Technology

MOBILITY 2040

Challenge: Increased automation and digitisation of the Austrian mobility sector.

How will **employment in mobility** change until 2040?

Where are **opportunities**? Where are **risks**?

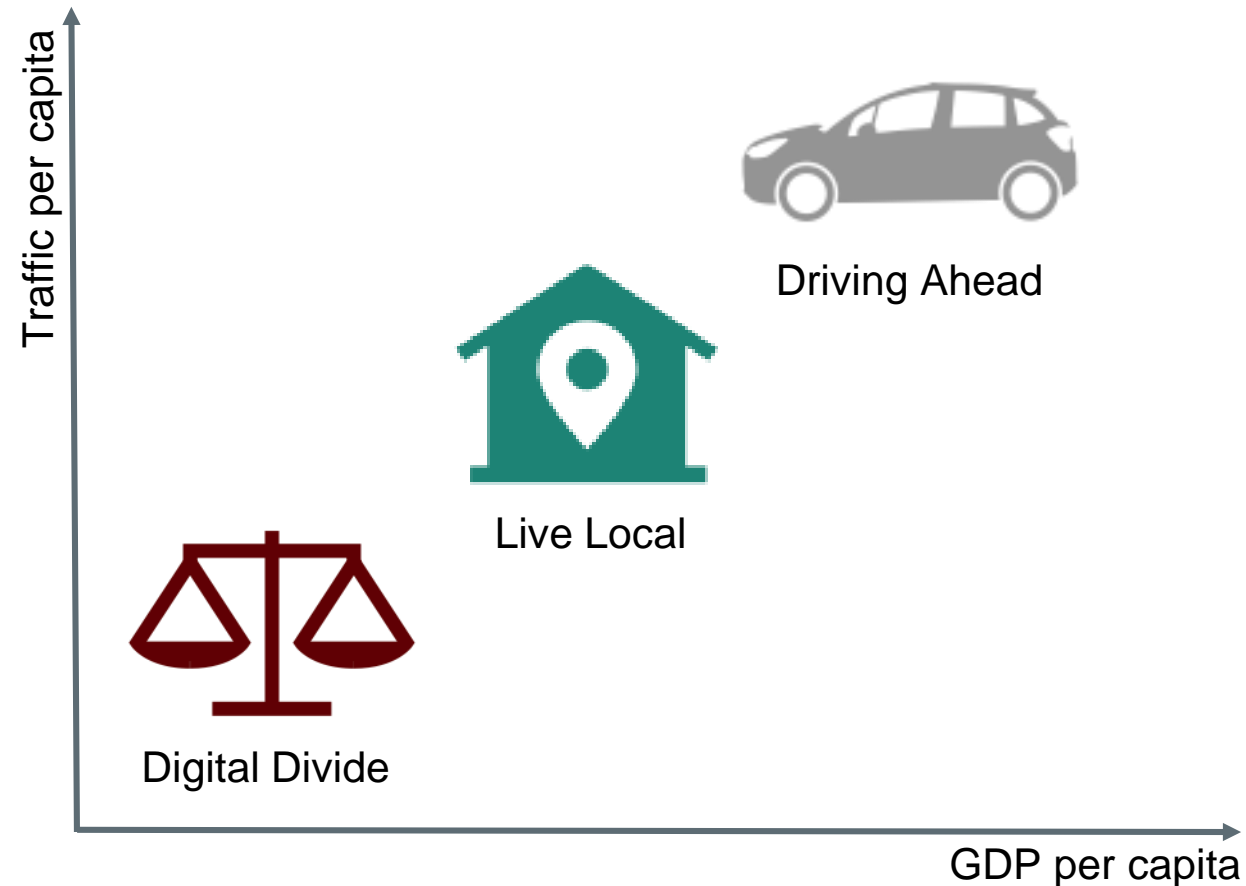


MOBILITY 2040

- In which mobility occupations will **employment change**?
- How will **occupational profiles** change?
- How will **quality of work** change?



MOBILITY 2040: PLAUSIBLE SCENARIOS



- ← Autonomous vehicles
- ← ICT connectivity
- ← Internet of Things
- ← Production technologies
- ← Demographics
- ← Immigration
- ← Travel time
- ← Online sales
- ← Recreation
- ← Medical support
- ←

MOBILITY 2040: EMPLOYMENT PERSPECTIVES

- **Job decrease** in “driving” occupations ...
- **Job enlargement** in service occupations ...
- **Job enrichment** upstream and downstream ...

FUTURE-PROOF POLICIES

The Center for Innovation Systems & Policy is a think tank and advisor for the Austrian and European policy. Our scientists are dedicated to current and future challenges for research and innovation systems.

