

Demographic Change: Activities of the Federal Ministry of Education and Research

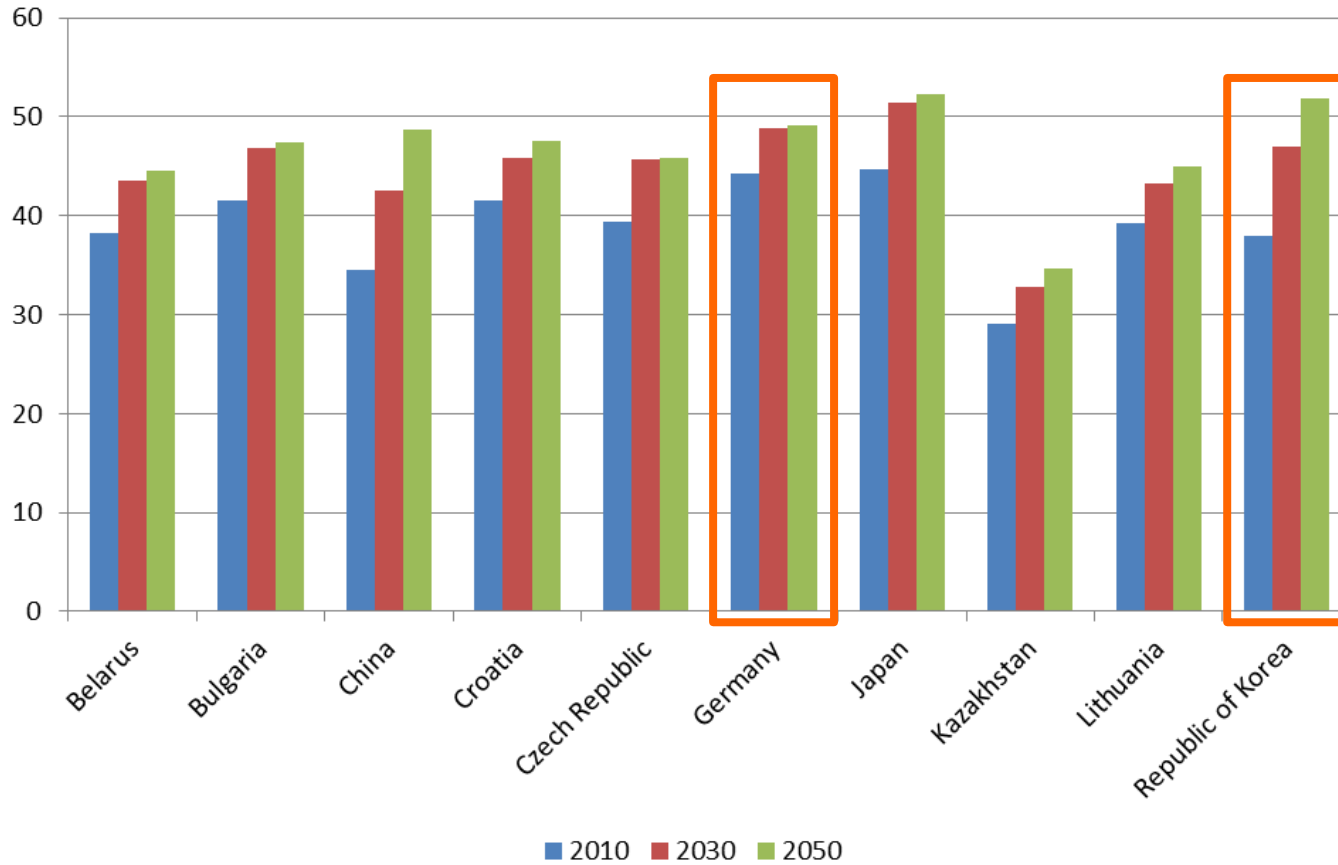
Maxie Lutze

Demographic Change and Futures Studies

Federal Ministry of Education and Research

Division 524 „Demographic Change; Human-Technology-Interaction“

Demographic ageing across countries



Milestones of the Demography Process

Demography Report

Federal Government Report on the Demographic Situation and Future Development of the Country.



Research Agenda „The New Future of Old Age“

The contributions of education, science and innovation for a society of gained years.

Demography Strategy “Every Age counts”

Defining areas of action that are based on the cross-sectional collaboration of players from politics, economy and society.

Demographic change: A paradigm shift

- **Germany** is one of the countries most affected by demographic change.
- The perception of this phenomenon was coined for decades by **challenges and problems** (No doubt: There are demanding issues!).
- More and more, scientific investigation and practical experiences show that an ageing society as well **offers opportunities and potential**.
- **New understanding of old age** integrated into the Science Year 2013 to **turn demographic change into a demographic *chance***.

The New Future of old Age

The Federal Government's **Research Agenda** for Demographic Change:

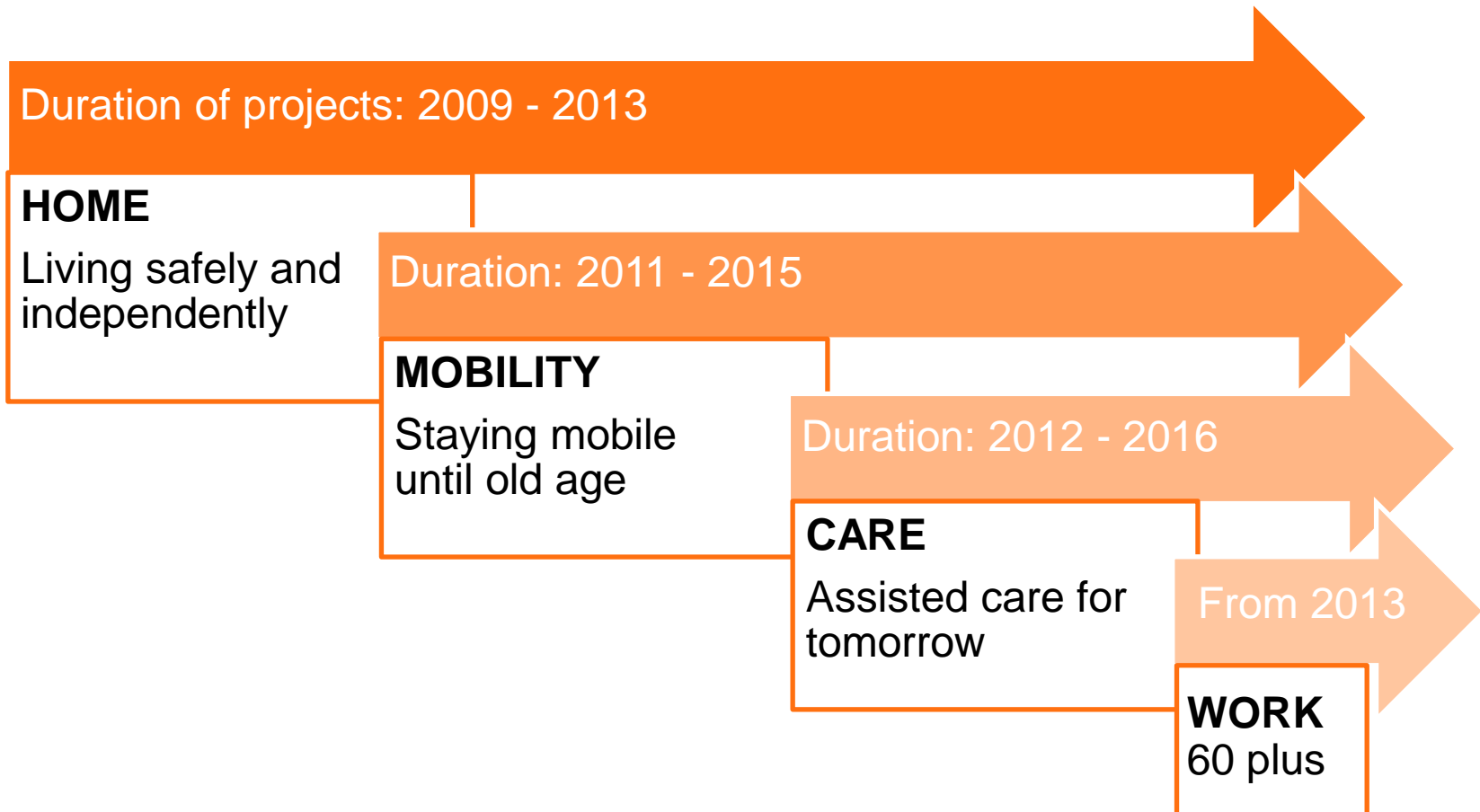
- **Research** benefiting all generations
- A special focus is set on **elderly persons**
- **A new image of ageing**: Beyond deficits
- **Interdisciplinary** tackling of basic issues
- **All ministries** work together
- Development of **innovative solutions** including products and services
- On going until **2016**
- Total budget of about **415 Mio. Euro**



Six Focus Areas of the Research Agenda

1. **Principal Issues** in a Society of longer Lives
2. **Benefiting from** the **Skills** and **Experience** of the Elderly in Economy and Society
3. Growing Old in **Good Health**
4. **Social Inclusion**: Staying Mobile and in Touch
5. **Living** Safely and Independently
6. Good **Nursing Care** to Boost the Quality of Life

Funding activities of the Division „Human-Technology-Interaction for Demographic Change”



Project Example from the Call „Assisted Care for Tomorrow”

Intelligent maintenance system for the prevention and treatment of pressure ulcers (INSYDE)

- In Germany, approximately 400,000 people suffer from **pressure ulcers** of the skin. Particularly affected are bedridden, immobile patients.
- The INSYDE system recognizes the current position of the person concerned and proposes a new, exculpatory position. After approval by the patient or the caregiver, the **change of position is implemented automatically** by actuators.
- The actuators as well as sensors for detecting the pressure distribution are **directly integrated into the mattress**.
- Additionally, the information about the position changes are transferred **automatically into the nursing documentation**.

Turning affected people into participants

„Research for Me – Research with Me“

- Integration of citizens into a **process of dialog concerning the research agenda.**
- **Senior talks** in four cities in Germany
- **Demography talks** in co-operation with six universities
- **Close co-operation** with federal association of the senior citizens' organisations
- Investigation of societal demands for the implementation of future research topics
- Funding program **Senior-Technology-Ambassador** aims at enabling elderly people to transfer knowledge in ICT to the peer group



The Joint Programming Initiative „More Years, Better Lives“

**MORE YEARS
BETTER LIVES**



JOINT PROGRAMMING INITIATIVE „MORE YEARS, BETTER LIVES – THE POTENTIAL AND CHALLENGES OF DEMOGRAPHIC CHANGE“

- Europe needs a stronger, better coordinated, more coherent and more global response to the **grand challenges** like demographic change.
- Additional to existing European initiatives, there is a need for a new and more **strategic approach**.
- The JPI “More Years, Better Lives” was **initiated by the BMBF** in 2010.
- As a **Member States driven activity**, it seeks to analyse and offer **evidence-based solutions** for the upcoming challenges, mainly by improving the **efficiency and the effectiveness of R&D funding** in Europe.

Members of the Joint Programming Initiative

14 Members

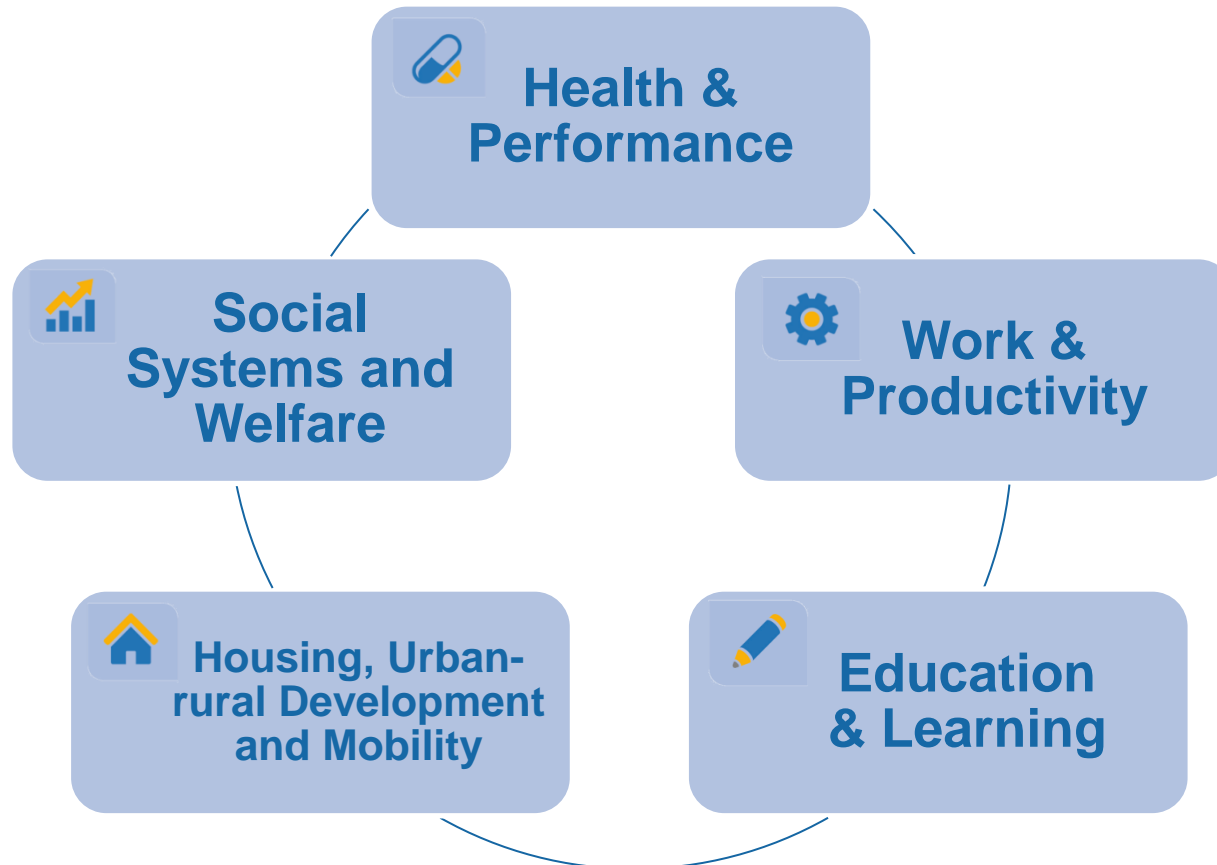


Observers

France, Canada, Croatia

The focus areas of the Joint Programming Initiative

Research for Demographic Change requires an interdisciplinary, cross-cutting and holistic approach across different societal sectors



Activities of the Joint Programming Initiative

1. Organise the JPI

- Involve Member States and Scientific/Societal Stakeholders ✓
- Gain Political Commitment ✓

2. Define R&D Priorities

- Define research priorities and implementation gaps ✓
- Develop a Common **Strategic Research Agenda** of Member States ✓

3. Coordinate R&D in Europe

- Align Research and Funding Programmes of Member States
- Launch Joint Activities of Member States to address Research Needs and Societal Challenges

Fast Track Activity „Data Project“

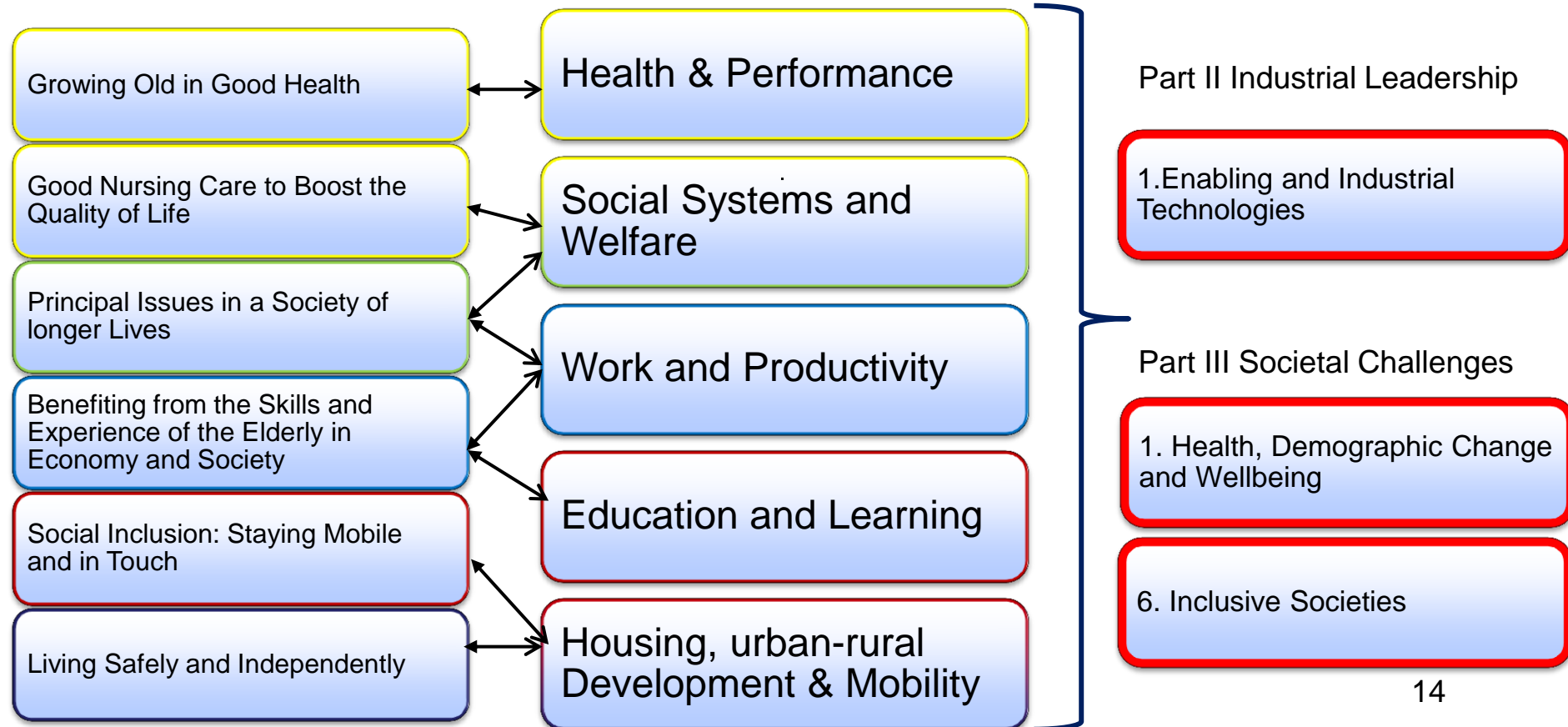
Shaping the European Research Framework Programme



National Research Agenda

JPI-MYBL

Horizon 2020



Maxie Lutze

Demographic Change and Futures Studies

VDI/VDE- Innovation + Technik GmbH

Steinplatz 1

10623 Berlin

Germany

Tel.: +49 (30) 310078 - 343

E-Mail: maxie.lutze@vdivde-it.de

www.mtidw.de