



Bundesministerium
für Wirtschaft
und Energie



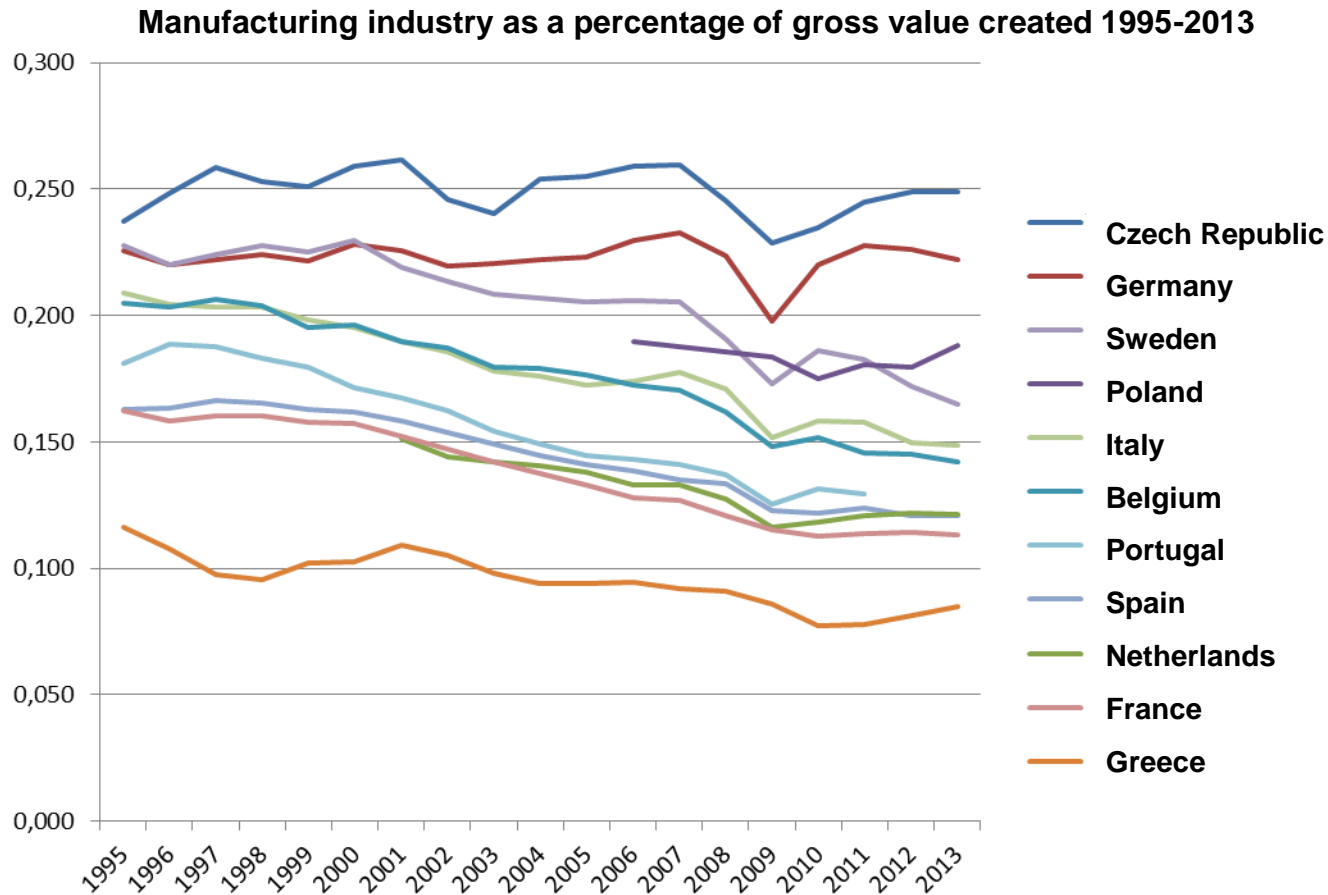
Industrie 4.0: A German Perspective

Dr. Wolfgang Scheremet, Director-General Industrial Policy

OMG Information Day, Berlin, June 18, 2015



Industry in Germany: No De-industrialisation



Source: Eurostat

Manufacturing in Germany

...is diverse in size & structure:

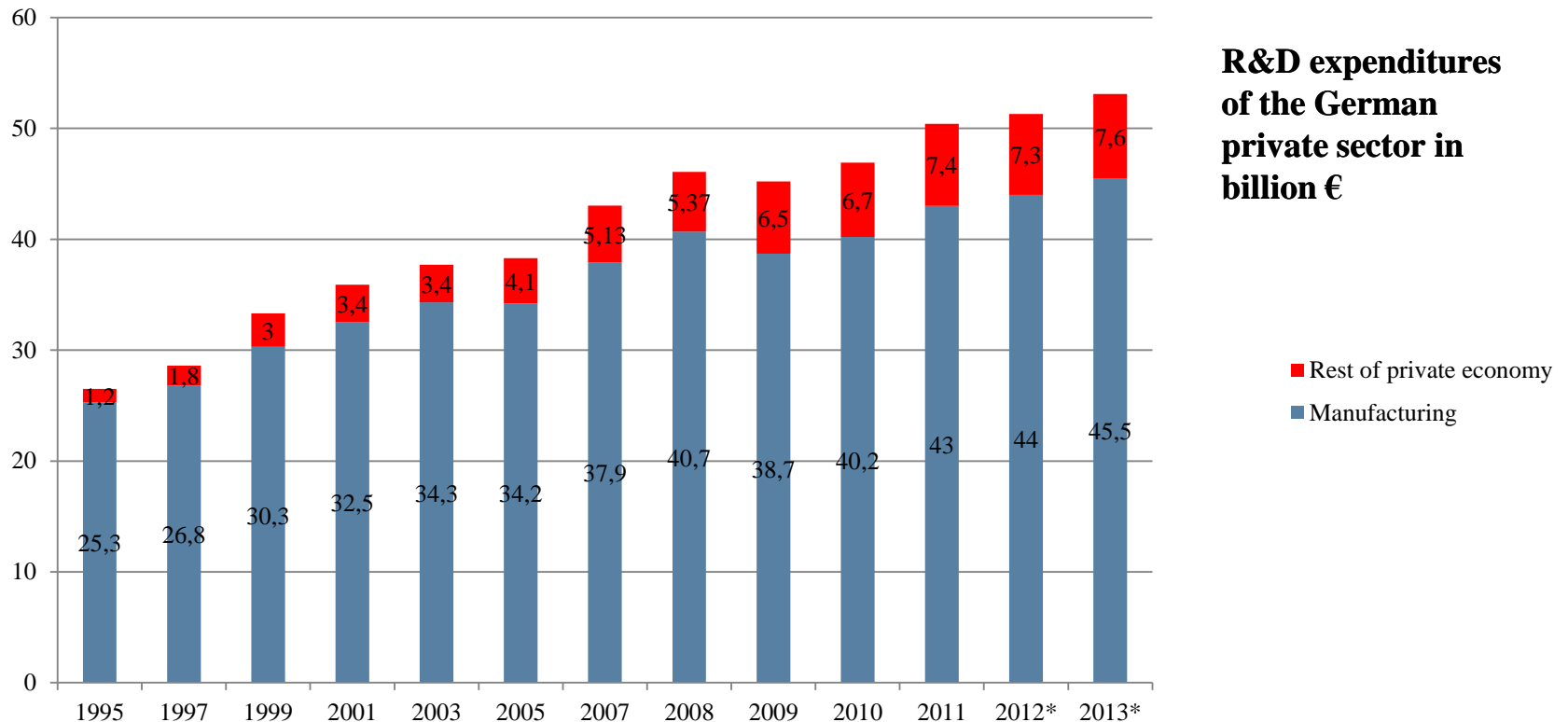
SME with less than 250 employees account for

- 97,6 % of enterprises
- 45,8 % of employees.
- 22,2 % of manufacturing turnover
- „Many „hidden champions“

Manufacturing in Germany

- Wide spectrum of branches
- High share of research-intensive goods
- Regional hot spots

Manufacturing as driver of technological progress



Source: Stifterverband für die Deutsche Wissenschaft.

*2012/13: projected estimates

Regional hot spots

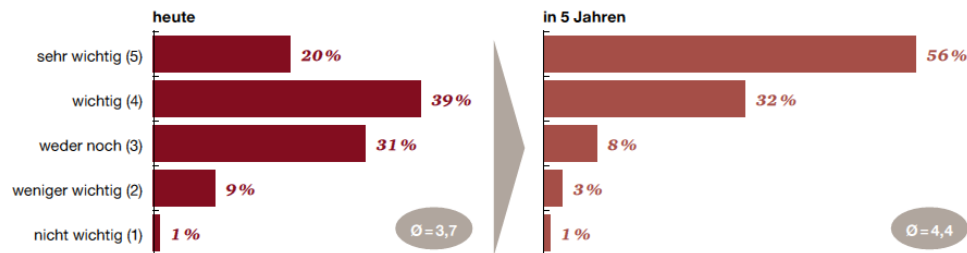


Key Issues of Digitisation in the Industrial Sector

Awareness

Abb. 23 Industrie 4.0 hat eine hohe Bedeutung für die Wettbewerbsfähigkeit des Wirtschaftsstandorts Deutschland

Bedeutung von Industrie 4.0 für den Wirtschaftsstandort Deutschland

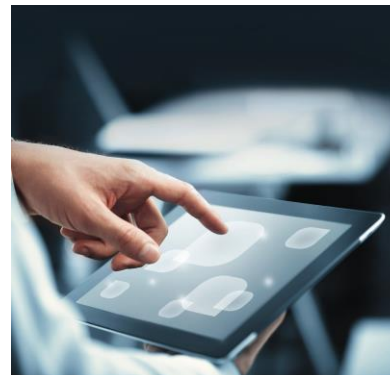


Qualification / Competences



Systemcompetences

Standards



Data Security





How to adress the challenges of Industrie 4.0?

Industrie 4.0

Needs a broad-based foundation

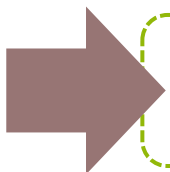


Industrie 4.0...

- ▶ ... must be understood as a **project of and for society as a whole**
- ▶ ... requires a **close alliance amongst the private sector, academia, politics and trade unions**
- ▶ ... needs to be **translated into practice and be implemented now**



14 April 2015: (Re-) Launch of the Platform Industrie 4.0 with Minister Gabriel and Minister Wanka



The Platform Industrie 4.0 provides support for the coordinated and organised transition into the digital economy in Germany

The new Platform Industrie 4.0

What we want to achieve



High efficacy

- Draw up recommendations for action by all actors
- Initiate new alliances and projects
- Mobilise the Mittelstand (small- and medium-sized enterprises)
- Build international cooperation
- To “get on with it”!



Broad visibility

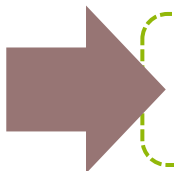
- Joint and consistent communication to the public
- Communicate “Use Cases”, good practice and applications
- Build societal acceptance

The new Plattform Industrie 4.0

Five things we want to do

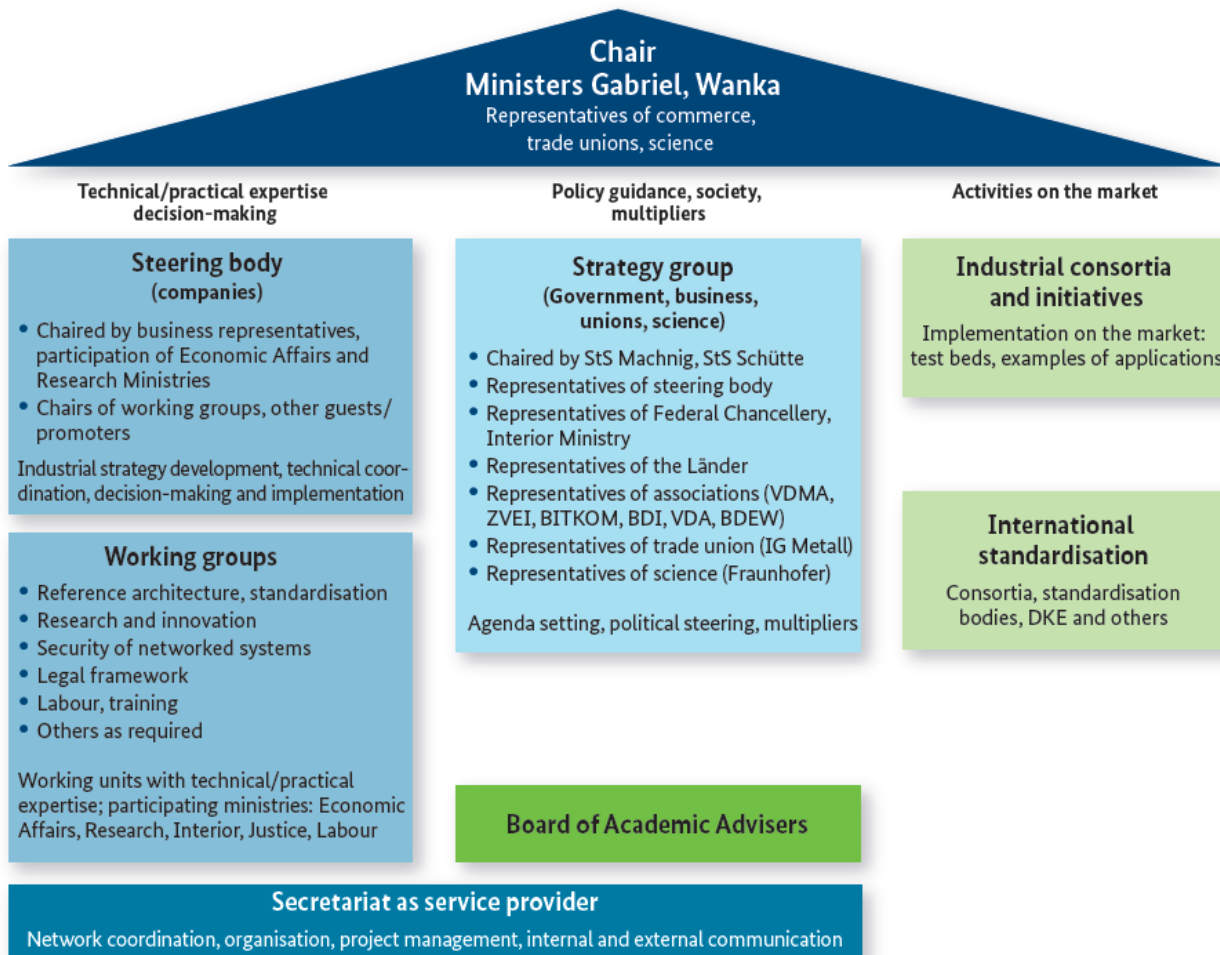


- 1 Focus on the **needs of businesses** and of end users
- 2 Create a **central point of contact** (for international partnerships and alliances)
- 3 Ensure acceptance through high **transparency and participation**
- 4 Develop a common language, **objective and key messages**
- 5 Establish **clear structures** and reliable processes for the day-to-day work of the platform



The Plattform Industrie 4.0 is the moderator of and catalyst for the exchange amongst all societal actors in the pre-competitive phase

The Structure of the Platform



The Working Groups

Five thematic priorities



Working Group 1:

Reference Architectures,
Norms and Standardisation

Chair:

Dr. Peter Adolphs,
Pepperl + Fuchs

Working Group 2:

Research and Innovation

Chair:

Johannes Diemer,
Hewlett Packard

Working Group 3:

Security of Interconnected
Systems

Chair:

Michael Sandner,
Volkswagen AG

Working Group 4:

Legal Framework

Chair:

Dr. Hans-Jürgen Schlinkert,
ThyssenKrupp

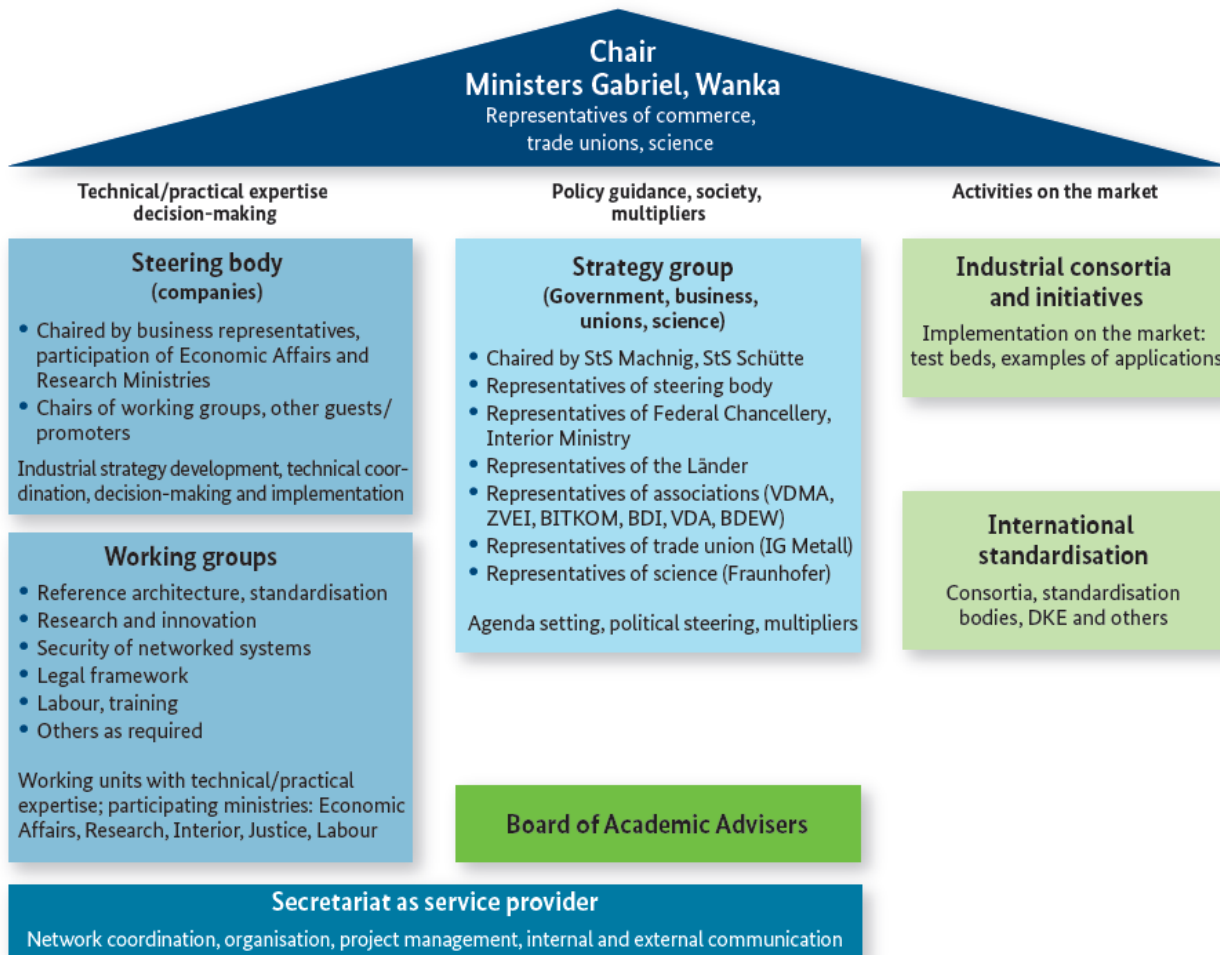
Working Group 5:

Employment,
Apprenticeships and
Life-Long Learning

Chair:

Dr. Constanze Kurz
IG Metall

The Structure of the Platform



The Platform's Project Office Tasks

The central coordination hub



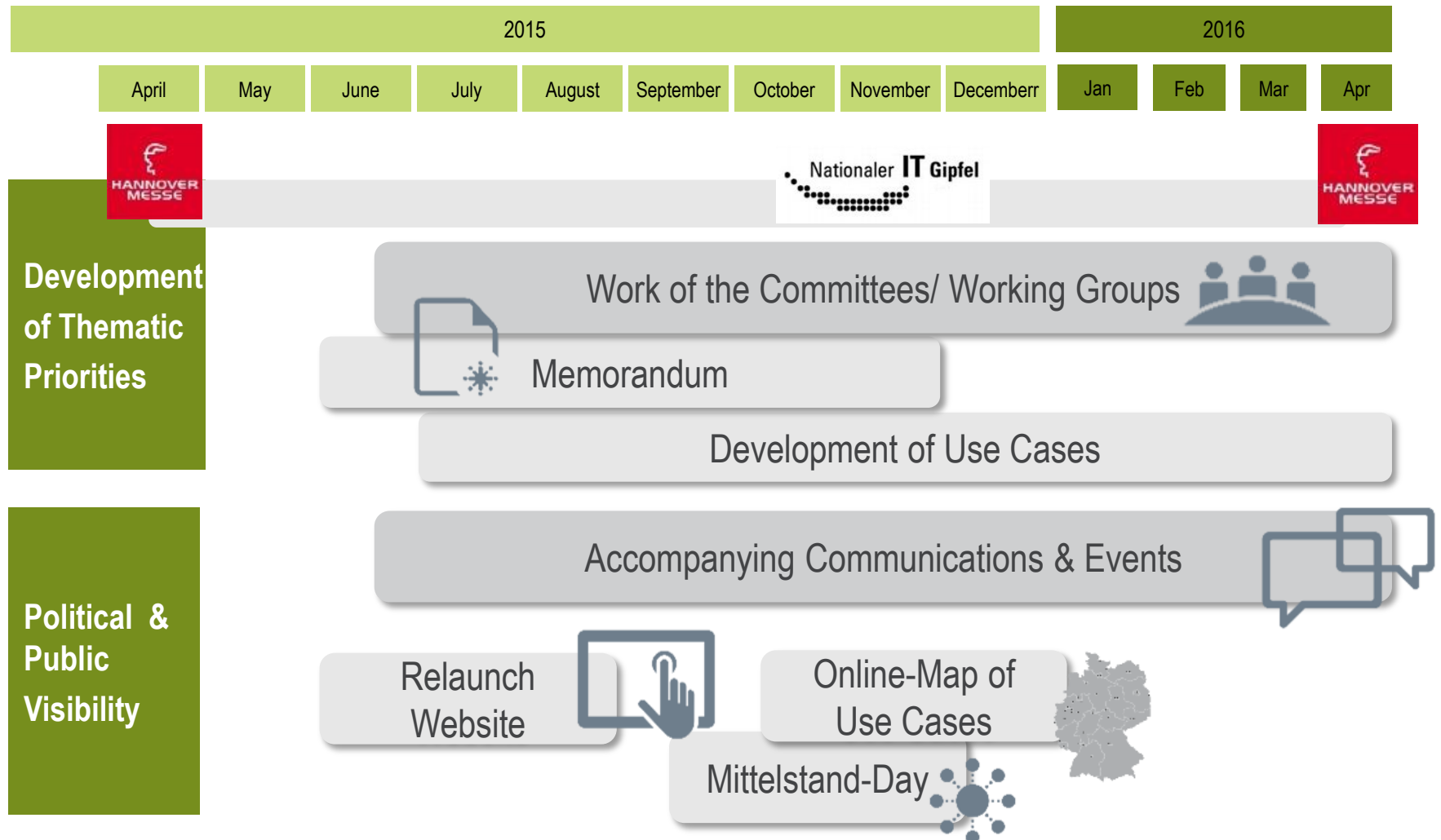
- 1 In charge of **coordinating the network – especially of the committees and working groups**
- 2 Responsible for all **organisational matters** regarding the Platform, as well as for project management
- 3 Manages **the internal and external communication** of the Platform
- 4 **First point of contact** for all enquiries



The Project Office is the coordinator of the Platform Industrie 4.0
and the communications manager of the initiative

Getting started

The close integration of impact and visibility





Thank you for your attention!

Dr. Wolfgang Scheremet, Director-General Industrial Policy

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