



Federal Ministry
for Economic Affairs
and Energy

Shaping Digitalization: Germany's Digital Policy

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Digital Dialogue

»Digitisation offers great opportunities.

*Our mission is to create the
appropriate framework conditions.«*



2018 Coalition Agreement (CDU, CSU, SPD)

Digital Implementation Strategy

»We want to develop Germany into a strong digital country on all levels.«



**Skills and
competency**



**Infra-
structure**



Innovation



Digital Society



**E-Govern-
ment**

Artificial Intelligence Strategy



Strategie Künstliche Intelligenz der Bundesregierung

Stand: November 2018

www.ki-strategie-deutschland.de

Objectives:

- Make Germany a world leader in artificial intelligence
- Responsible development and use of AI
- Develop an ethical, legal, cultural and institutional framework for AI

Funding:

- additional 500m euros in 2019
- a total of 3bn euros by 2025

Digital Hub Initiative

Mission:

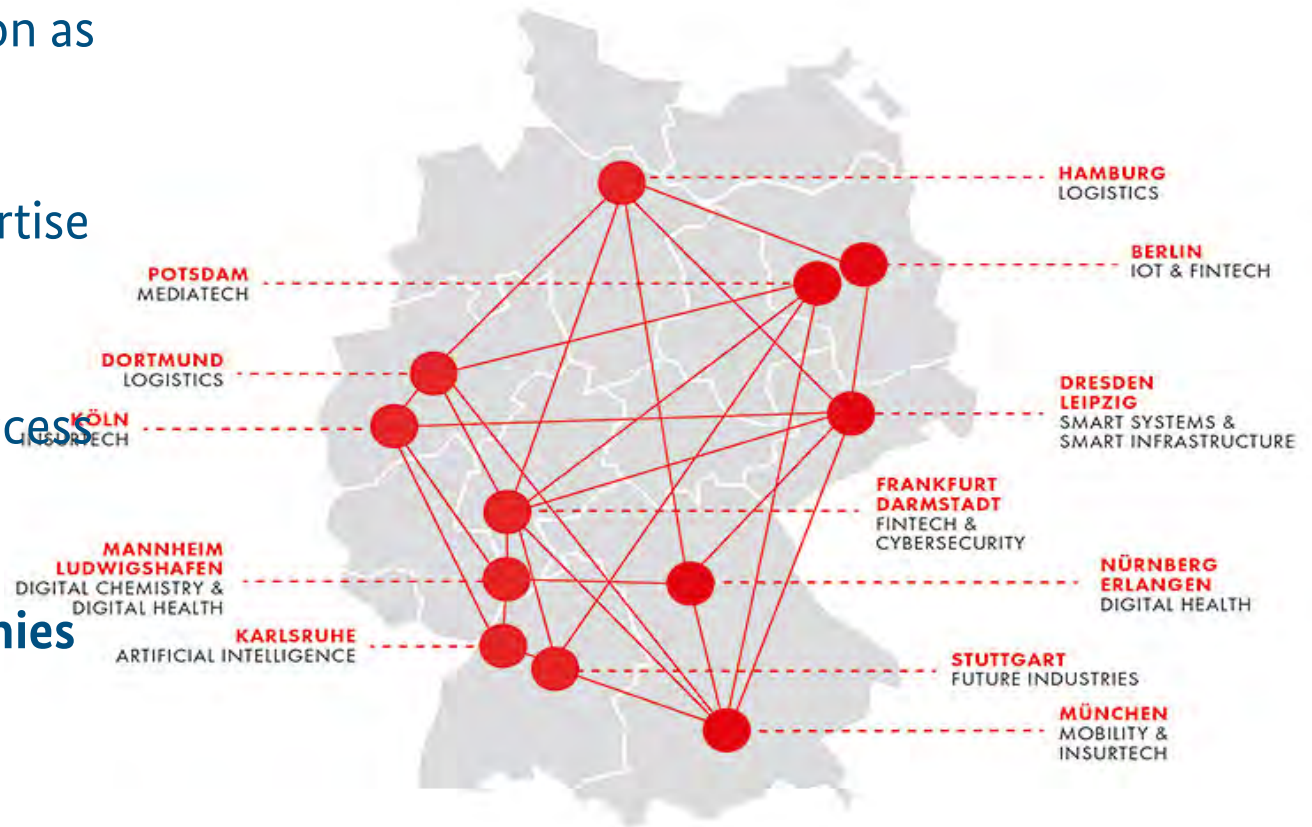
Strengthening Germany's position as a leading digital economy by enabling the exchange of technological and business expertise

Benefits for Startups:

Co-working spaces, regional resources, business networks, access to the global network of GTAI

Benefits for established companies & investors:

Access to startups and talents, competence for the digital transformation, investment possibilities



Hightech Strategy 2025



Core objectives

- *make knowledge work*
- *create cutting-edge innovations*
- *more effective innovations*
- *increase prosperity, growth and quality of life*
- *meet the challenges of the future*

Funding

Since 2006, investments in R&D have increased by more than 30 billion euros.

By 2025, we intend to increase spending on R&D to 3.5 % of the GDP

Societal challenges as “Missions”:

- Health and care
(*eHealth solutions for fighting cancer*)
- Sustainability, climate protection, energy
(*industry emissions*)
- Mobility and transport
(*battery cell production*)
- Cities and rural areas
(*smart rural mobility solutions*)
- Security
(*Cybersecurity*)
- Economy and Labour 4.0
(*human-machine interfaces*)



»Industrie 4.0«

I4.0 means that people, machines and industrial processes are intelligently networked.



Figures on Industrie 4.0 for Germany

40 

billion euros
Planned annual investment by German industry in Industrie 4.0 applications by 2020

20 

percent
Share of automotive companies that use self-controlled systems today

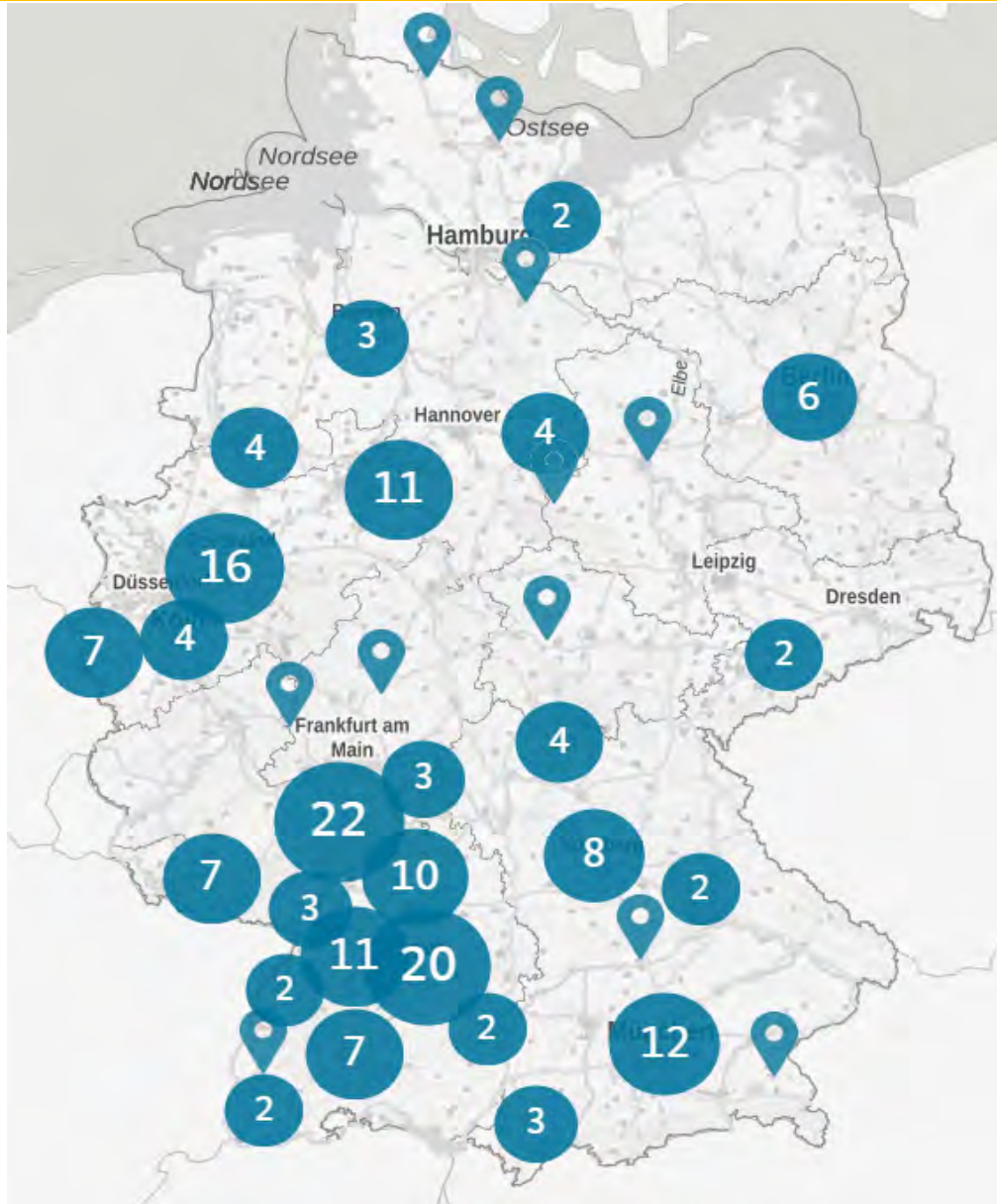
153 

billion euros
Additional growth that will be created through Industrie 4.0 by 2020

83 

percent
Share of companies that believe that their value chains will be marked by a high level of digitalisation by 2020

Industrie 4.0: Use cases in Germany



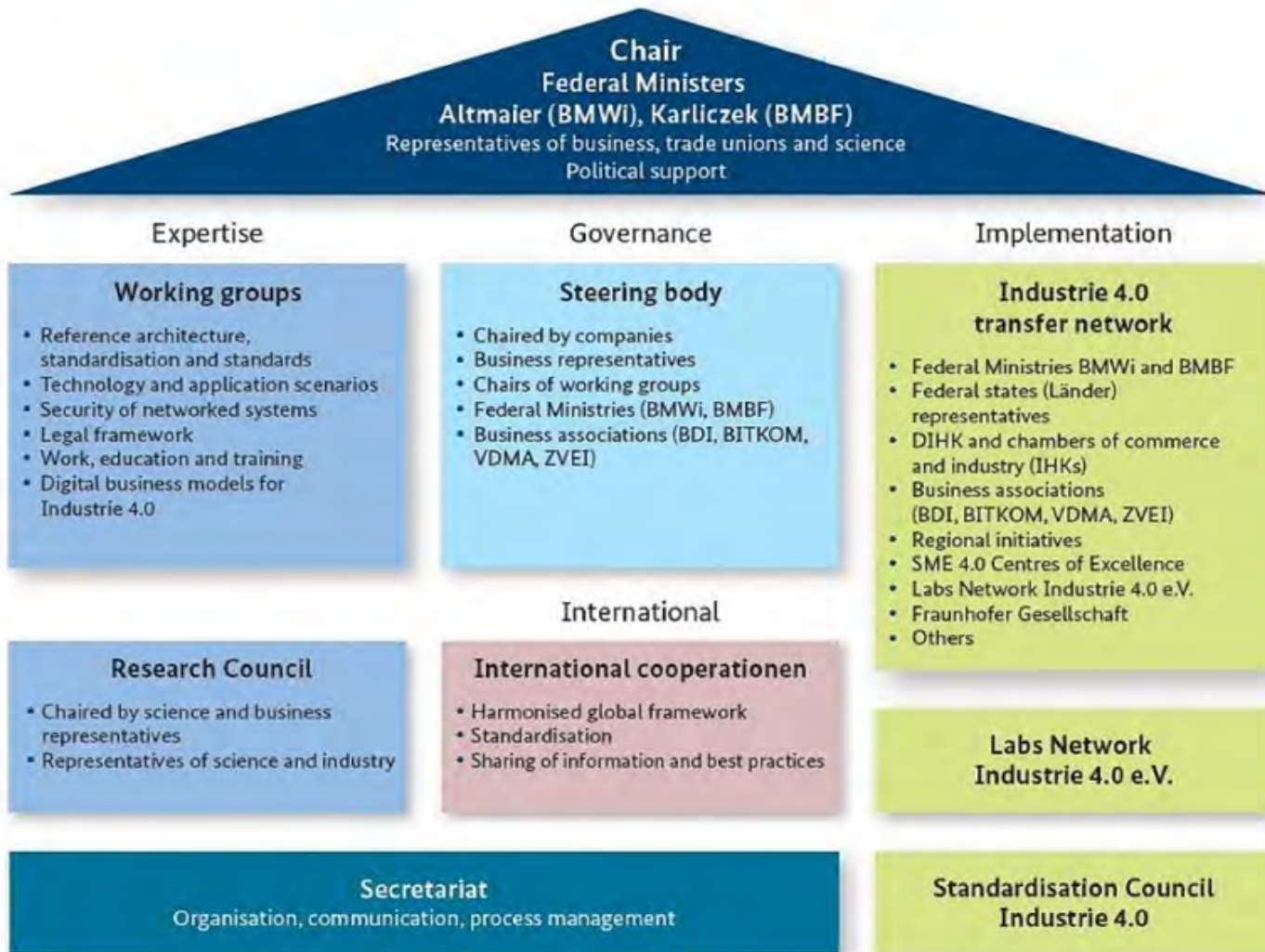
People, machines, and products are directly connected with each other.
Data is collected and used intelligently.



- new production methods
- new business models
- new products
- flexible production
- convertible factory
- customer-oriented solutions
- optimised logistics
- automated analysis processes

More than 300 practical examples in Germany, connected and supported by the Plattform Industrie 4.0

Plattform Industrie 4.0



- recommendations for all stakeholders
- initiation of standards
- coherent research agenda based on the needs of operators
- identification of compelling practical examples

Key Success Factors

- **Funding** programmes
(‘Autonomics for Industrie 4.0’ and ‘Smart Service World’):
close to 100 million euros for research and innovation
- **Involvement** of all relevant stakeholders
(government, business, trade unions, academia)
- Suitable **regulatory framework**
- **Transparency** throughout transformation process and sharing of
best practices
- **SME support** with focus on challenges and opportunities

International Digital Policy

Industrie 4.0 and the digital economy are issues that cannot be addressed by one single country.

It is necessary to share knowledge, adopt unified standards and harmonise regulatory frameworks so that companies around the world can remain competitive and work together.



International Digital Policy

G20 Digital Ministers' process

key areas:

- *links between digitalisation, economic growth and employment;*
- *trust, confidence and transparency in the digital economy;*
- *Industrie 4.0*

European Digital Single Market

over-arching objectives:

- *give companies and consumers better online access to goods and services all across Europe;*
- *put in place the right framework and a level playing field for flourishing digital networks and innovative services;*
- *fully harness the potential for growth in the digital economy*

European General Data Protection Regulation (GDPR)

Internet Governance

Internet Governance Forum

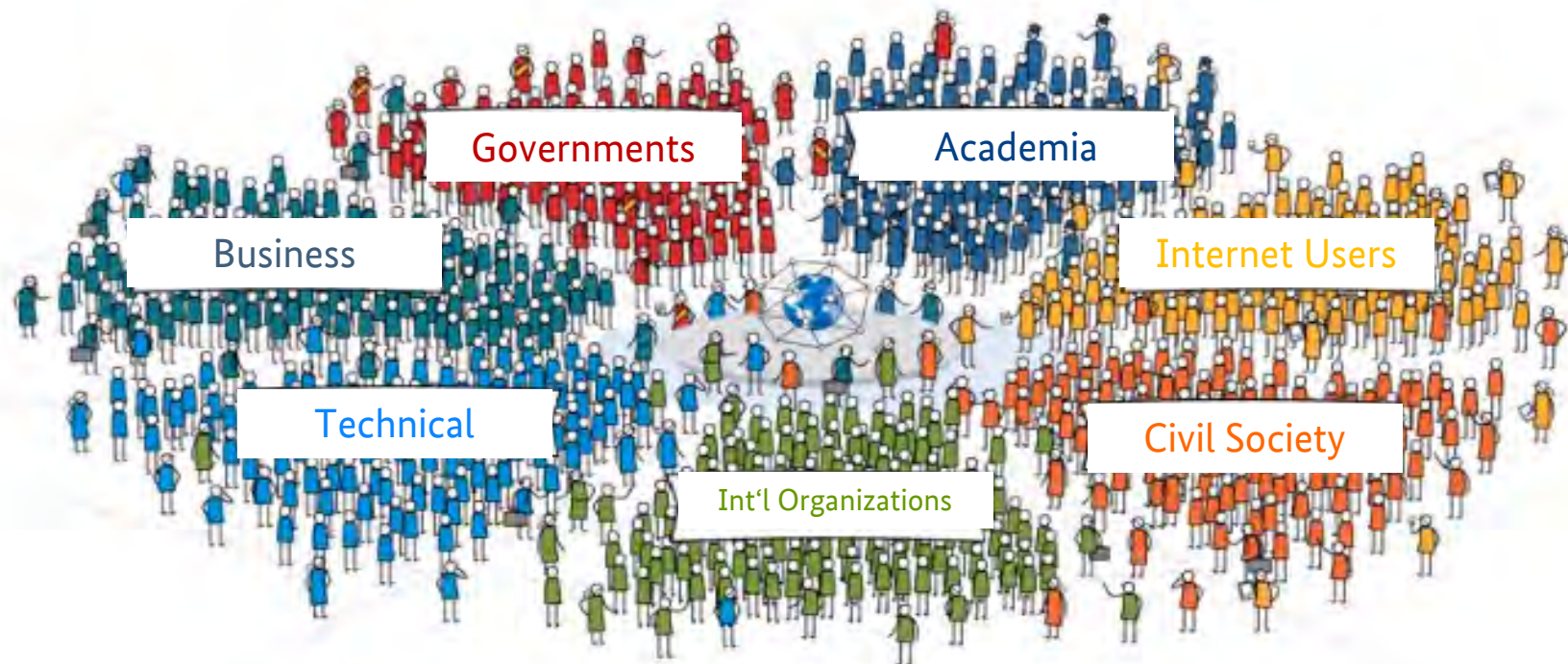
The first IGF was convened by UN Secretary General in July 2006

Secretariat based in the United Nations office in Geneva



Internet Governance Forum

The IGF is designed according to the **multi-stakeholder model**, meaning that all the relevant societal groups are involved on an equal footing in preparation and implementation (as opposed to a merely intergovernmental approach)



open discussion platform

no binding decisions

advisory capacity

What are our aims?

- an open, secure, reliable, interoperable and truly global internet

→ innovation and social development

- an internet free of censorship, discrimination and propaganda
- strengthen the multi-stakeholder approach
- support the participation of the **Global South**
- outreach to new stakeholder groups

INTERNET
GOVERNANCE
FORUM

IGF 
BERLIN
2019



Main topics of the 2019 IGF

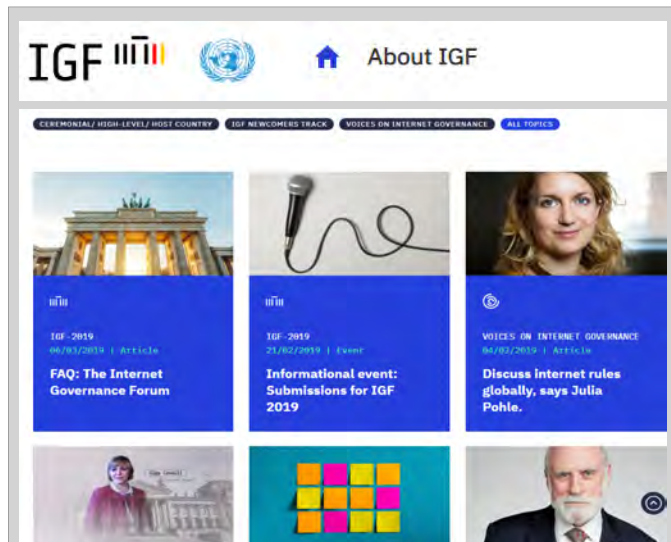
Digital Inclusion	Data Governance	Security, Safety, Stability & Resilience
Associated Tags/Issues		
Access, Accessibility Affordability Infrastructure Digital Literacy Digital Divide Outreach Poverty Eradication Economic Development Emerging Technologies Social Inclusion Multilingualism	Accountability Algorithms, AI Big Data Cross-border Data Data Fairness Data-driven Economy Privacy & Data Protection Digital Identity Human Rights Internet Ethics	Cyber Security Child Online Safety Domain Name System Internet Protocols Trust and Accountability Internet Resources Encryption Freedom of Expression Fake News Deep Fake Videos Hate Speech

Key Dates



- **4 March – 12 April 2019** Call for Workshop Proposals
- **4 March – 10 May 2019:** Call for Village Exhibition Booths
- **8 – 12 April 2019:** 2nd Open Consultation & MAG Meeting (Geneva)
- **5 – 7 June 2019:** 3rd Open Consultation & MAG Meeting (Berlin)
- **August – November 2019:** Participants' Registration for the IGF 2019
- **25 November 2019:** Day Zero of the IGF 2019
- **26 – 29 November 2019:** Regular Conference Program of the IGF 2019

Find out more



Host Country Website:
igf2019.berlin



Global IGF Website:
intgovforum.org



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