AI made in Germany

National Strategy and International Cooperation

Dr Judith Reinhard
Embassy of the Federal Republic of Germany
German Strategy on Artificial Intelligence

- Presented in November 2018
- Interdepartmental effort
- Ca. 3 billion Euro for implementation (€500 million p.a. for 7 years)

Three main goals:

1. Make Germany and Europe global leaders for AI
2. Ensure that AI serves the good of society
3. Integrate AI into society in ethical, legal, cultural and institutional terms
1) Make Germany and Europe global leaders for AI

- National network of >12 AI Centres of Excellence and application hubs; >100 AI professorships
- AI as priority for the national Agency for Breakthrough Innovations
- Develop Franco-German AI R&D Network
- Form a European AI innovation cluster for cooperative projects
- Increase AI-specific support for SMEs: “AI trainers”
- Establish AI test beds in companies
- New funding programs to support AI Start-ups
- Infrastructure for trustworthy data sharing and data analysis, incl. AI cloud platform
2) Safeguard responsible development and use of AI that serves the good of society

Establish:

- German observatory for artificial intelligence

Initiate:

- Dialogue on the human-centric use of AI in the world of work

Develop:

- Instruments to foster AI skills of the workforce

Fund:

- In-company innovation spaces for AI
- AI applications for the environment and the climate (goal: 50 apps)
3) Integrate AI into society

Develop:

- Joint guidelines for developing and using AI systems (compatible with data protection/privacy regulations)

Fund:

- Development of innovative applications that support self-determination, social inclusion, cultural participation and the protection of citizens’ privacy
- Digital Work and Society Future Fund to promote multidisciplinary social technology design
- Develop the “Plattform Lernende Systeme” into an AI Network Platform enabling dialogue between government, science, industry and civil society
Plattform Lernende Systeme
Germany’s Platform for Artificial Intelligence
About the Platform

Our goal: Shaping Artificial Intelligence for the needs of society and utilize its economic potential

The Plattform Lernende Systeme

- combines scientific, economic and social expertise
- provides the infrastructure for scientific exchange
- bolsters precompetitive cooperation
- aims to secure Germany's leading role in the field of Artificial Intelligence
How the Platform Works

The platform pools the current state of scientific and technological knowledge in order to identify new developments in the area of Artificial Intelligence

- **Expertise**: working groups with experts from science, economics and society
- **Contents**: technology-, economic- and society-related issues
- **Results**: user-scenarios, recommendations, guidelines and roadmaps
- **Management**: steering committee chaired by Anja Karliczek (Federal Minister of Education and Research) and acatech President Karl-Heinz Streibich
- **Coordination**: a managing office operated by acatech
Organisation and Structure

Steering committee

- WG 1: Technological Enablers and Data Science
- WG 2: Future of Work and Human-Machine Interaction
- WG 3: IT Security, Privacy, Legal and Ethical Framework
- WG 4: Business Model Innovations
- WG 5: Mobility and Intelligent Transport Systems
- WG 6: Health Care, Medical Technology, Care
- WG 7: Hostile-to-life Environments

Managing Office
Seven interdisciplinary working groups from across different industries analyze the developments and the usability in the field of self-learning systems to develop user-scenarios, recommendations, guidelines and roadmaps.

### Fields of Application
- Mobility and Intelligent Transport Systems
- Health Care, Medical Technology, Care
- Hostile-to-life Environments

### Cross-Cutting Issues
- Technological Enablers and Data Science
- Future of Work and Human-Machine Interaction
- IT Security, Privacy, Legal and Ethical Framework
- Business Model Innovation
Website Tools

www.plattform-lernende-systeme.de

- Events, Conferences
- Research news and innovations from the AI world
- Interactive map of German AI-innovations/applications
- Who is Who in AI: links to key institutions around the world
- National AI-strategies: cornerstones, focus areas, and national investment
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Investitionen in Mio. Euro  

0  2.000  4.000  6.000  8.000  10.000

- Investitionen (Mio. Euro)
- Zeithorizont (Jahre)
# Website Tools: National AI strategies – focus areas

[www.plattform-lernende-systeme.de](http://www.plattform-lernende-systeme.de)

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German AI Strategy
https://www.ki-strategie-deutschland.de/home.html

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