

Rough translation by [Charlotte Stix](#) (11.2018)

Original [text](#)

Bold text refers directly to the bold parts in the original source text

Strategy summary "AI made in Germany"

The Federal Government accepts the assignment the rapid progress in the field of artificial intelligence (AI) offers. To that end, it will harness this innovation boost for the benefit of all. We want to safeguard the excellent research location Germany, expand the German economy's competitiveness and promote the various applications of AI in all areas of society. The latter will be supported in terms of societal progress and in the interest of citizens. The focus for this will be the benefit AI can bring to people and environment. We will also continue exchanges with all members and groups within society. Germany is well positioned in many areas of AI. The 'AI made in Germany' strategy makes use of existing areas of strength and transfers those to areas where the potential of AI hasn't yet been fully exploited. The 2019 federal budget offers €500m to strengthen the AI strategy for 2019 and the following years. **The federal government wants to provide €3bn until 2025 for the implementation of the AI strategy.** It is expected that this commitment will leverage a doubling of financial resources through its impact on business, science and Germany's sixteen states.

1. Make Germany and Europe a leading location for AI and thus contribute to securing Germany's future competitiveness.

- Continue the development of existing centers of excellence for AI research on a supraregional level; establish more centres and develop of **national network of at least twelve centres and application hubs**; ensure internationally attractive and competitive working conditions and salaries [Translator's note: this is interesting with regard to the Commission's call for Digital Innovation Hubs, as outlined in the newsletter]
- Establish a program to support the next generation in science as well as the teaching of AI; **open 100 new professorships**
- Push for the **development of a german-francophone Research and Innovation network ("virtual centre")** in collaboration with France [Translator's note: this was also clearly pointed towards in the preceding documents to the AI strategy e.g *Eckpunkte der Bundesregierung für eine Strategie Künstliche Intelligenz*¹]

¹ Previous translation here:

<https://docs.google.com/document/d/1AzS-uZHFsgmilvjqe5Eeu6SxQjy9HiTPr4EpJ-XiEs/edit>

- There will be a new agency focussed on “Jump Innovations” [Translator’s note: somewhat akin to leapfrogging] called **Agency for Jump Innovations**; AI will be a focus of this agency
- Build a **European Innovation Cluster for AI**; this cluster shall support cooperative research projects during the coming five years [Translator’s note: possibly similar to Gary Marcus’s ‘Cern for AI’ idea]
- Expand AI-specific support for medium-sized companies; Reach over 1000 companies yearly through the “AI Trainer” offered by the [Competency Centres ‘Mittelstand’ \(middle-class/mid-sized sector\) 4.0](#) [Translator’s note: could fit in with the potential training offered by the upcoming AI Digital Innovation Hubs]
- Federal Gov. will support companies in setting up experimentation areas [Translator’s note: the setting up of experimentation areas is also mentioned in the European Commission’s *Communication on AI*]
- A doubling of EXIST’s budget (**program for start-ups in the area of science**)
- Expand **public offers of support in the areas of Venture Capital and Venture Debt**; propose a specific **Tech Growth Fund Initiative**
- Continue the expansion of **offers for holistic consultations and support for the establishment** of start-ups
- Federal Gov. will improve incentives and framework conditions for the voluntary and privacy-compliant sharing of data; it will push forward the establishment of a trustworthy data and analysis infrastructure; this will include the establishment of an underlying cloud platform with scalable storage and computing capacity

2. Our goal is a responsible development and use of AI, oriented towards the public good.

- Federal Gov. will set up a **German Artificial Intelligence Observatory** and support the **set up of similar observatories at European and international level** [Translator’s note: this is in line with the European Commission’s *Communication on AI* that discussed the need for technology monitoring; Germany’s [Eckpunkte der Bundesregierung für eine Strategie Künstliche Intelligenz](#)² referred to monitoring of AI and proposed that this could offer an opportunity for Germany in terms of AI standard setting and AI-relevant seals of quality; Montréal (Québec) considers the establishment of an international AI

² Previous translation here:

<https://docs.google.com/document/d/1AzS-uZHFsgmilvjqe5Eeu6SxQjy9HiTPr4EpJ-XiEs/edit>

Observatory³]

- Federal Gov. to organize a **European and transatlantic dialogue on the human-centered use of AI in the workplace**
- Federal Gov. will develop a tool with **broad impact for the promotion of competencies of the workforce** through the **National Training Strategy** [Translator's note: potential similarities with the *New Skills Agenda for Europe*⁴]
- Federal Gov. will, on the analytical basis of a new expert-workforce monitoring method, develop the expert-workforce strategy in regard to the digital transformation and new technologies such as AI [Translator's note: possibly tackling expert brain-drain]
- Federal Gov. will secure the **operational participation** in the introduction and application of AI
- Promote **operational spaces for experimentation** for AI applications in the **workplace**
- Promote AI applications for the **benefit of the environment and climate**; develop related assessment criteria; our goal is to establish **50 lighthouse applications in this field** [Translator's note: a concern for AI and the environment also features in the French AI strategy, *For a meaningful Artificial Intelligence, towards a French and European Strategy*]

3. We will embed AI ethically, legally, culturally and institutionally into society through a broad societal dialogue and the active political participation/shaping

- Federal Gov. will convene a **roundtable with data protection supervisory authorities and trade associations**; these will develop **guidelines for a data protection-compliant development and application of AI systems** and prepare examples of best practice applications
- Federal Gov. promotes the **development of innovative applications**; these applications should support the self-determination, the social and cultural participation of citizens as well as the protection of their privacy

³<https://www.newswire.ca/news-releases/quebec-lays-the-groundwork-for-a-world-observatory-on-the-social-impacts-of-artificial-intelligence-and-digital-technologies-678316673.html>

⁴ <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52016DC0381>;
http://europa.eu/rapid/press-release_IP-18-102_en.htm

- Federal Gov. will support broad education (literal translation: enlightenment) and multidisciplinary social technology design through the “FutureFund Digital Work and Society”
- Federal Gov. will continue the development of the [Platform for Learning Systems](#) into a platform for AI; there, exchanges between politics, science and industry with civil society will be organized