EUROPEAN BIG DATA VALUE FORUM
14-16 OCT. 2019-HELSINKI

DLR Project Management Agency

FORUM DIGITALE TECHNOLOGIEN

National Initiatives on AI - Germany

Gernert / Gundlach

National strategy „AI Made in Germany“

The Federal Government

- outstanding importance: digital transformation of the economy and society
- very good research base
- aim: "Artificial Intelligence (AI) Made in Germany" is to become a globally recognized seal of approval; AI is being used in many core sectors of the German economy
- focus of strategy: transfer of the research knowledge into business models and products as well as supporting, especially, SME by applying AI-technologies
- wanted: new value added and new jobs, for example in the areas autonomous driving, production (robotics) or medical technology

Nationale Strategie für Künstliche Intelligenz
AI Made in Germany

- Plan: 3 Billion Euros by 2025, Action: first 500 Million Euros in 2019

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

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National Research Programs

Federal Ministry for Economic Affairs and Energy

Federal Ministry of Education and Research

- AI Competence Centers: merging Big Data and ML center of Berlin; others are Dresden/Leipzig, München, Dortmund/Bonn, Tübingen;
  double funding, for next 3 years, rd. 135 Mio. Euros
- Alexander von Humboldt Professorship: 30 Professorsships, next 5 years,
  5 Mio. Euros each
- Agency for disruptive innovations; will be located in Leipzig;
  first projects: energy efficient AI-System, organ replacement, new battery for power supply
- Platform Learning Systems: connect all; example: AI Landscape

https://www.bmbf.de/de/kuenstliche-intelligenz-mehr-geld-fuer-die-forschung-9518.html

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National Research Programs

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- AI in Smart Data Economy : Future Data Economy, 20 projects, started in 2019, collaboration of BMWi & BMVIT (Austria), 40 Million Euros

Smarte Datenwirtschaft

- AI Innovations : 16 large platform projects for next 3 years,
  budget rd. 10 Mio. Euro each; building eco-systems in application areas like health, process and production, mobility, building information modelling, smart home and living, food, retail,…

- Outlook: GAIA-X; European Cloud;
  fields for experiments with AI technologies;
  provides data infrastructure;
  expected budget of 100 Million Euros

Digital Gipfel Dortmund 2019

https://www.digitale-technologien.de/DT/Navigation/DE/ProgrammeProjekte/programm_projekte.html

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German Big Data and AI Landscape

Federal Ministry
for Economic Affairs
and Energy

FORUM
DIGITAL
TECHNOLOGIES

Scope of Forum Digital Technologies

Federal Ministry for Economic Affairs and Energy

FORUM DIGITAL TECHNOLOGIES

BBDC BERLIN BIG DATA CENTER

ScaDS DRESDEN LEIPZIG

CRISP Center for Research in Security and Privacy

ML2R

Berliner Zentrum für MASCHINELLES LERNEN

MEDIZIN INFORMATIK INITIATIVE

weizenbaum institut

III. **International Visibility** and Networking

II. **Knowledge Transfer** to Small and Medium Enterprises

I. **Exchange between** technology projects

Smart Service Welt

Trusted Cloud

PAiCE

SMART LIVING MADE IN GERMANY

IKT FÜR ELEKTROMOBILITÄT

Smart Data

Smarte Datenwirtschaft

KI Innovationen

Show-room

Onboarding Factory

International Display Window

Synergy-workshops

National Roadshows

International Roadshows

GTAI GERMANY TRADE & INVEST

bitkom

Bundesverband Deutsche Startups e.V.

KI Bundesverband e.V.

INDUSTRIE 4.0

INTERNATIONAL DATA SPACES ASSOCIATION

Lernende Systeme DIE PLATTFORM FÜR KÜNSTLICHE INTELLIGENZ

Mittelstand-Digital

BVMW Bundesverband mittelständische Wirtschaft

VDE

VOICE Bundesverband der IT-Anwender e.V.

Trusted Cloud

de:hub digital ecosystems

aai Initiative for applied artificial intelligence

bitmi Bundesverband IT Mittelstand e.V.

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German Digital Landscape

Federal Ministry for Economic Affairs and Energy

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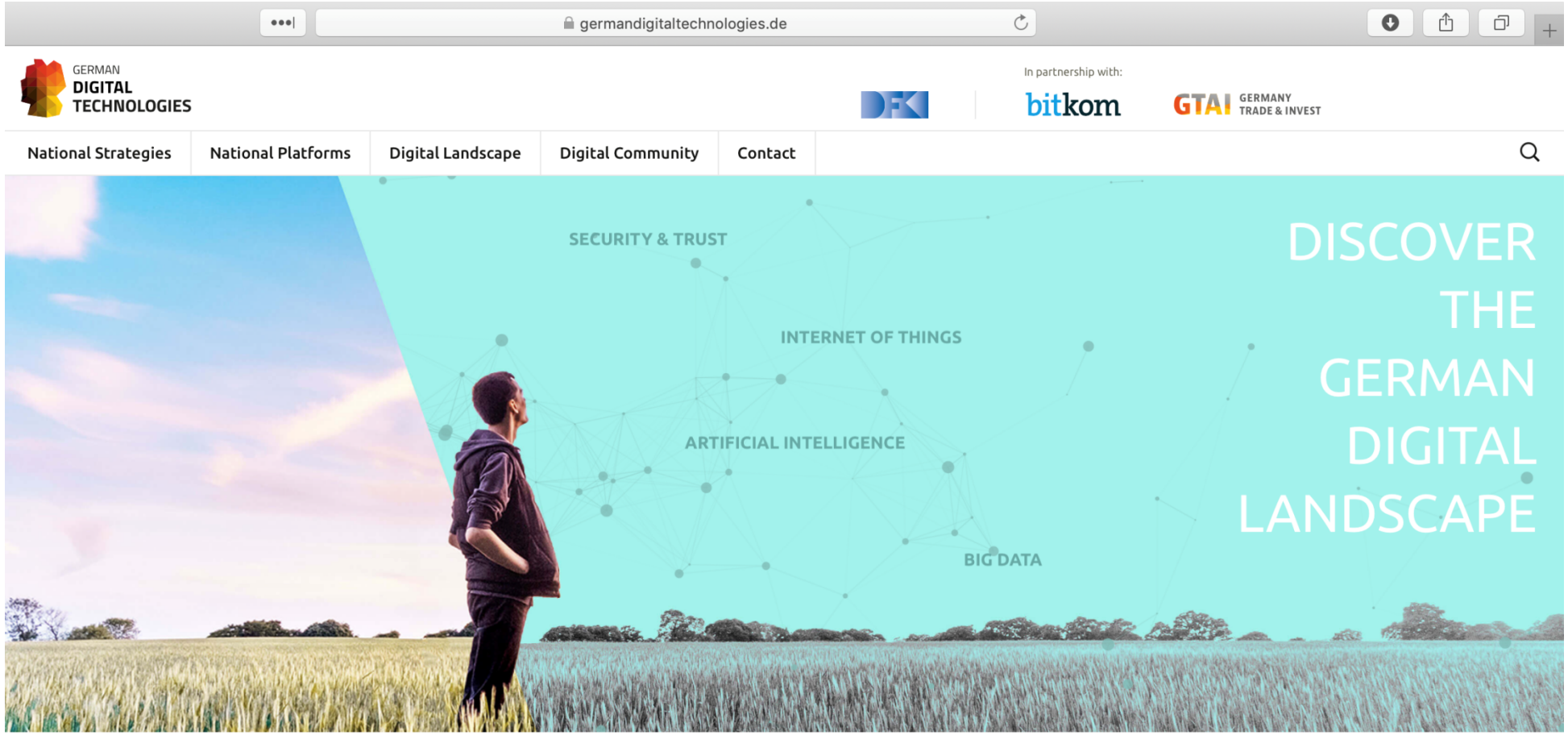

www.germandigitaltechnologies.de

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