

Thursday: the education system is the key topic!

Politics: loss of middle jobs, further changes in education needed Education: new contents, new methods/tools, new control Agriculture: problems of size and scale, potential dependency IT: who instructs the machines / do we need IT departements? Sports: pushing the boundaries of the measurable Law: economic and social impact & new institutional questions Education: disposal of the outdated / interdisciplinarity?

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Today:

Measurements show serious deficits.

Industry identifies digital skills as core needs, big companies care themselves for internal continuing education. High waves of business change are rolling towards us, in practice many companies are failing in many digital business skills.

Applied data science skills will become a mandatory, EPFL provides training without preconditions.

Design skills (e.g. for privacy) require working with pattern languages.

Coding skills are easy to learn for everybody!

There are serious deficits concerning security skills, both among amateurs and professionals.

Digital transformation requires collaborative governance skills.

Digital transformation creates new capabilities for transdisciplinary research.

Alles wird ziemlich anders!

Wandel der Fachdisziplinen

- Ausbildung
- ► Landwirtschaft
- **▶** Sport
- Recht
- ► IT-Lösungsentwicklung
- ▶ Interdisziplinäre Forschung

Notwendige Digital Skills

- Digital skills
- ► Applied data science skills
- ▶ Design skills
- Security skills
- Fairness skills
- Governance skills

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BFH-Center Digital Society



- The WHY: The digital transformation shall be an *enabler* for people, disciplines, business, and government!
- ► The HOW: We help actors to speed up the appropriation of digital tools!
- ► The WHAT:
 - ▶ Methods: sustainable design & applied data science
 - ► Topics: Identity, privacy, and cybersecurity
 - ► Areas: digital health & smart cities

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The curtain closed and more questions open