



# INDUSTRIE 4.0

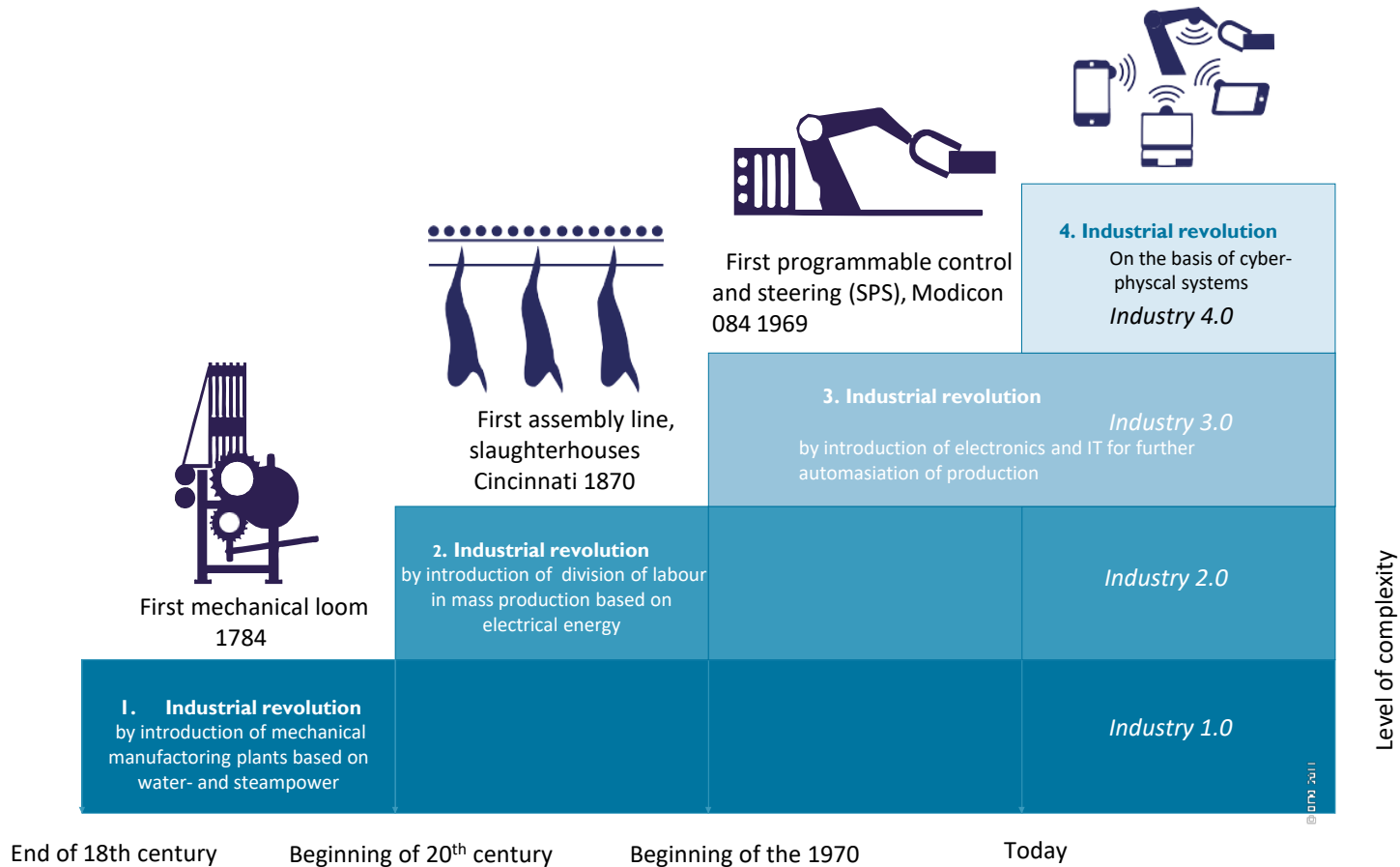
## term – relevance - impact on VET

Ute Hippach-Schneider  
Federal Institute for Vocational Education and Training, BIBB

Thessaloniki, 22.11.2018

## INDUSTRIE 4.0

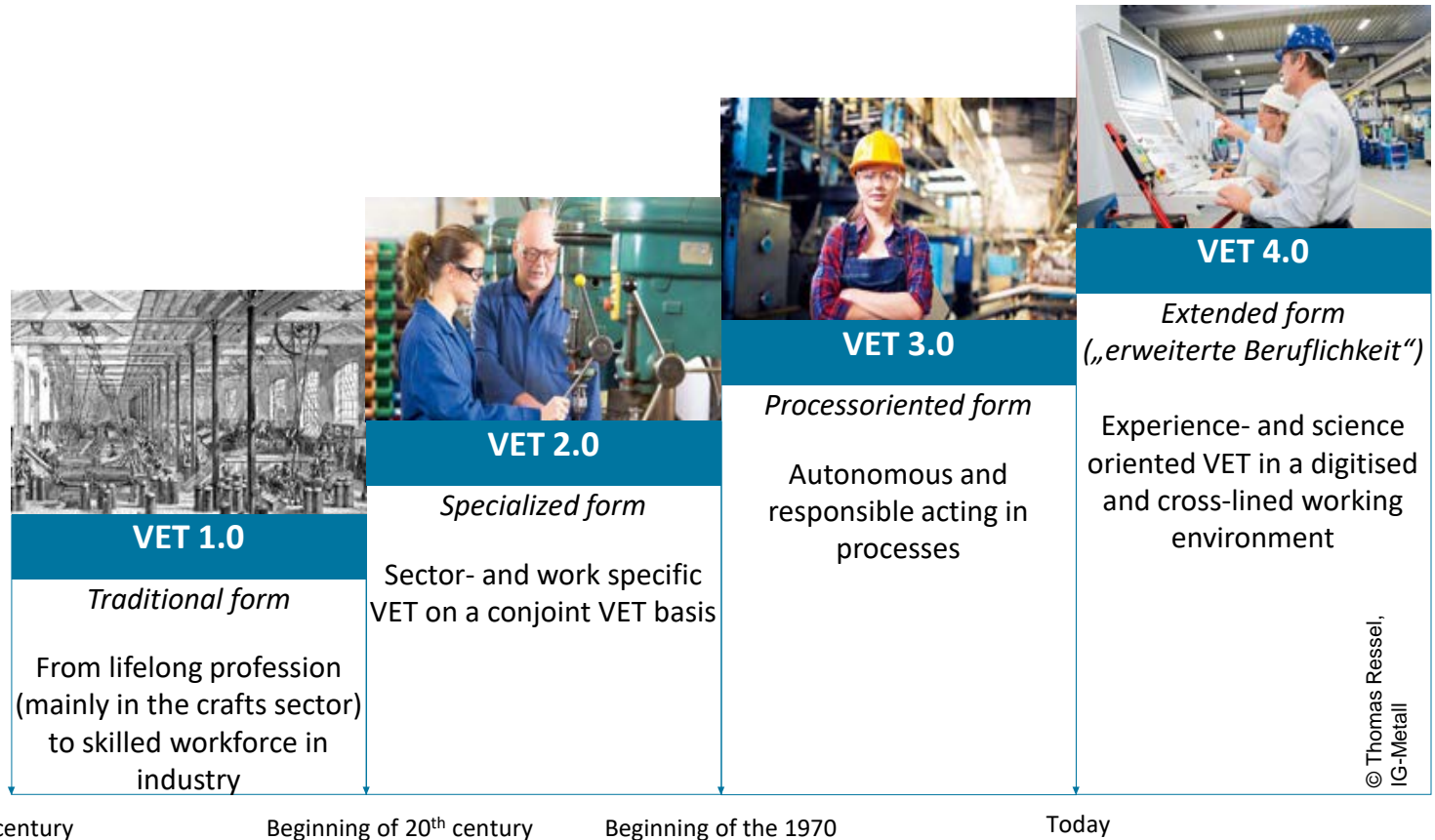
- ▶ name of the German strategic initiative to establish Germany as a lead market and provider of advanced manufacturing solutions.
- ▶ First time used in 2011 on Hannover Messe.



- ▶ INDUSTRIE 4.0 opens the door to an age of “smart industry” in which people, devices and systems combine to form dynamic, self-organizing networks of production.
- ▶ INDUSTRIE 4.0 represents a paradigm shift from "centralized" to "decentralized" production.
- ▶ INDUSTRIE 4.0 means individualized production, e.g. direct configuration and order by a customer.

- Changes work processes
- Impact on labour market – question of polarisation
- Impact on professions and occupations
- Impact on needed skills and competences
- Impact on relevance of life-long learning

# Impact on VET



End of 18th century

Beginning of 20<sup>th</sup> century

Beginning of the 1970

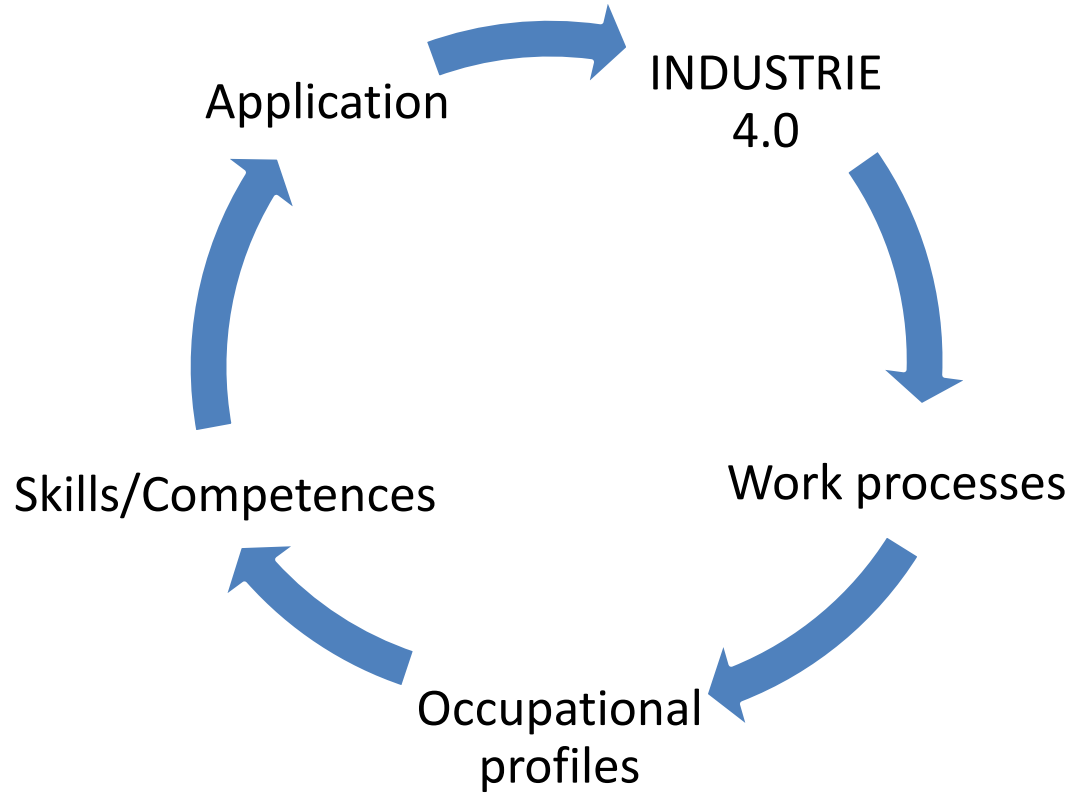
Today

## **BMBF/BIBB umbrella initiative: VET 4.0**



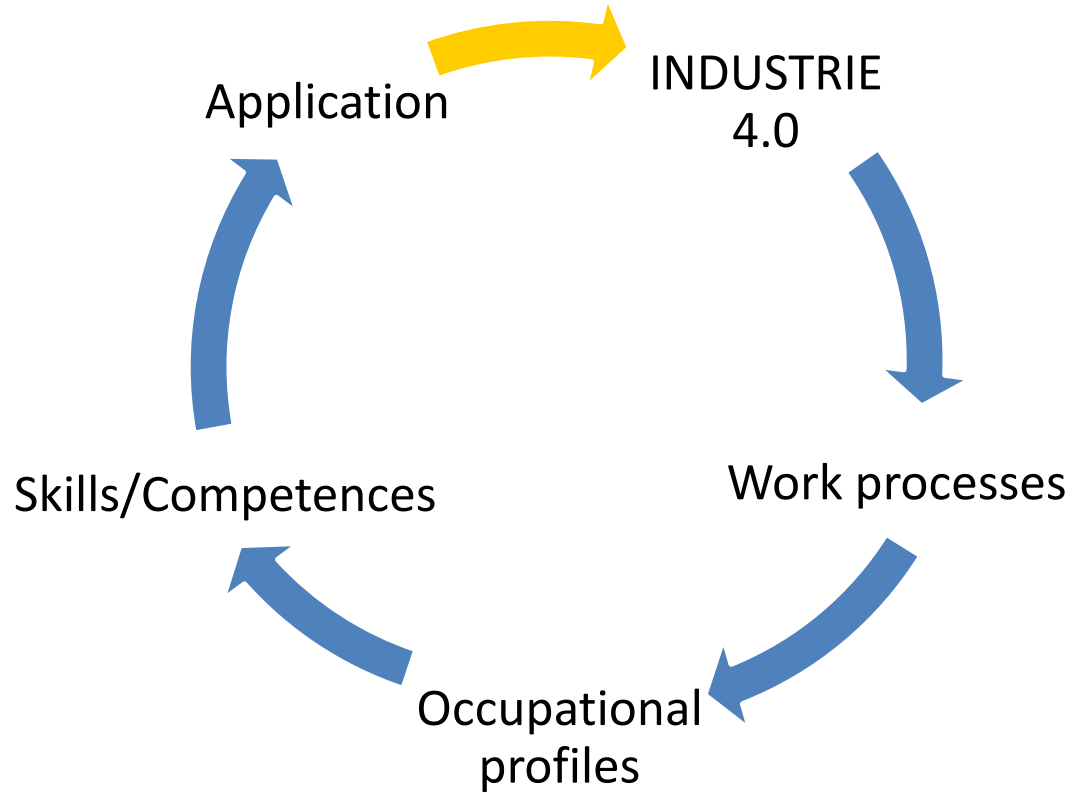
- Screening of occupational profiles and sectors: necessity for new occupations and new training regulations, e.g. mechatronics and IT professions
- Digital competences of trainers, teachers and instructors
- Impact on provision of VET: e.g. Learning processes, digital learning/learning media, communication platforms, e.g. "Digital Media in VET",-programme; evaluation of equipment in VET schools
- Impact on VET system, e.g. reform of BBiG

# Relevance of VET 4.0





# Relevance of VET 4.0



# Questions? Feedback? Remarks?

[hippach-schneider\(at\)bibb.de](mailto:hippach-schneider(at)bibb.de)