

INSTITUTE FOR
INNOVATION AND
TECHNOLOGY

Innovations in the educational eco-system

Some experiences from Germany

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CONTEXT: DRIVERS

DEMOGRAPHIC CHANGE

- Longer working lives
- Increasing importance of continuing education– as compared to initial education

TECHNOLOGICAL CHANGE

- Increasing dynamics of change, driven by distributed, connected, smart IT – CyberPhysical Systems (CPS)
- 'Industrie 4.0' as a specific German approach to this technology-induced change

CONTEXT: STRUCTURES

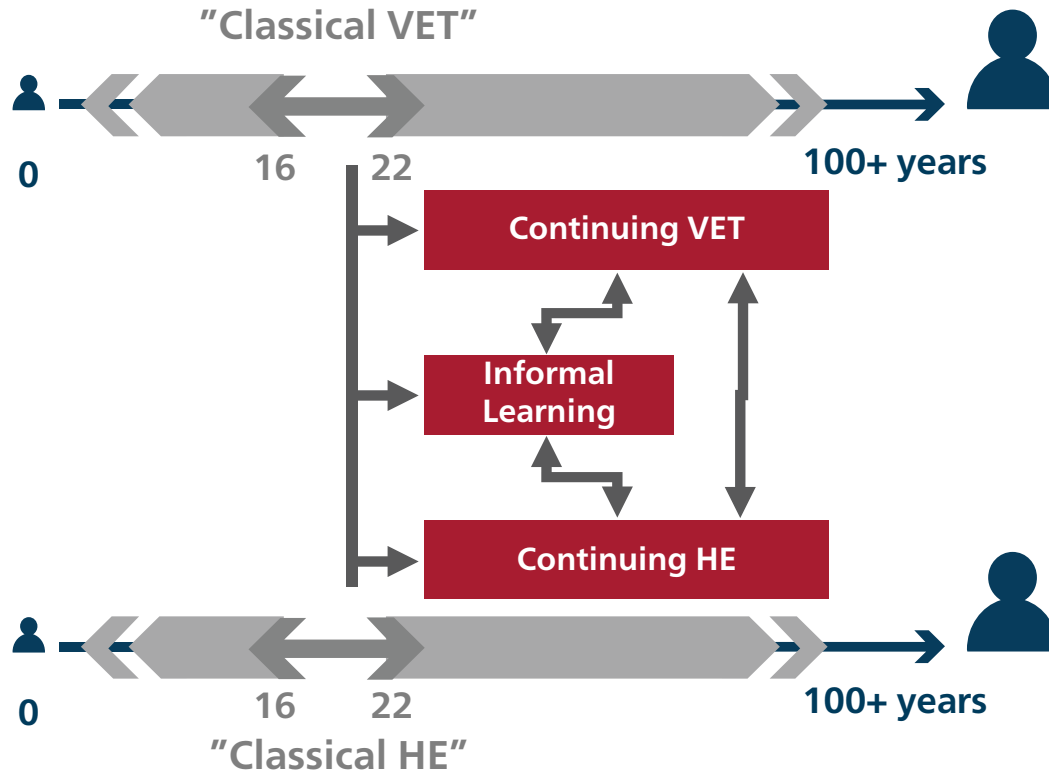
VOCATIONAL EDUCATION

- Practice-oriented, high labour market relevance
- In Germany: Dual System, Cooperation between vocational schools and enterprises/employers

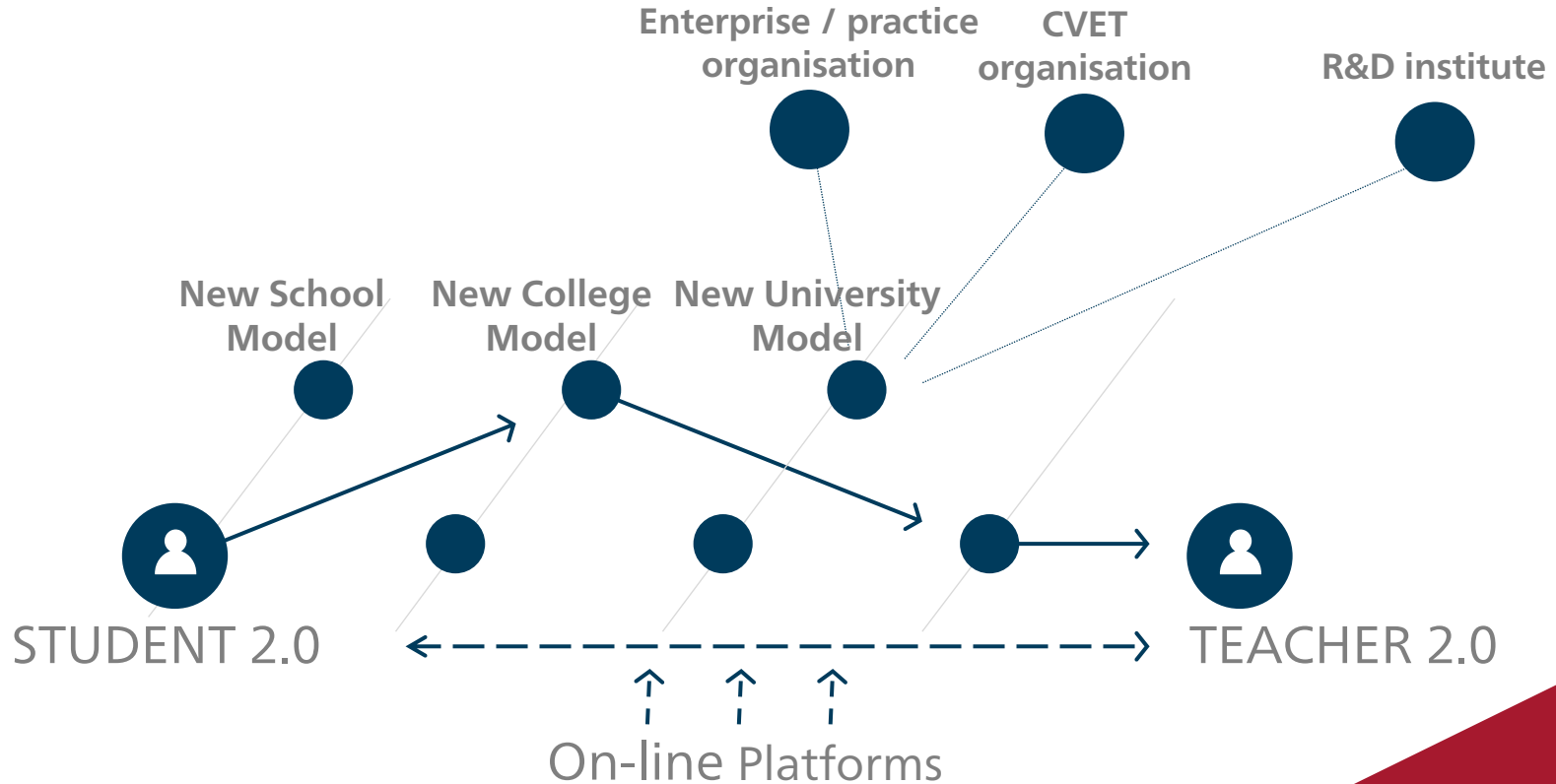
HIGHER EDUCATION

- Provides science-based knowledge essential for innovation
- In Germany: No strong tradition in Continuing Higher Education

PERMEABLE CONTINUING EDUCATION



THE EDUCATIONAL ECO-SYSTEM



SPECIFIC EXAMPLES OF EDUCATIONAL PROGRAMMES

EDUCATION FOR 'INDUSTRIE 4.0'

Content:
What is to be learned?



Format:
How is it to be learned?





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Thank you for your attention!

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