



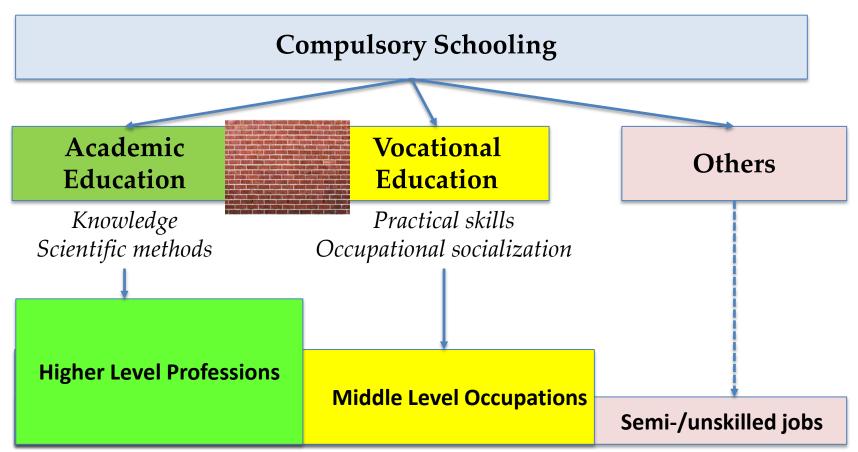
# Shaping the relationship between vocational and academic education

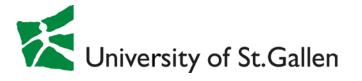






#### Traditional view (simplified)

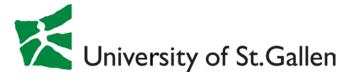






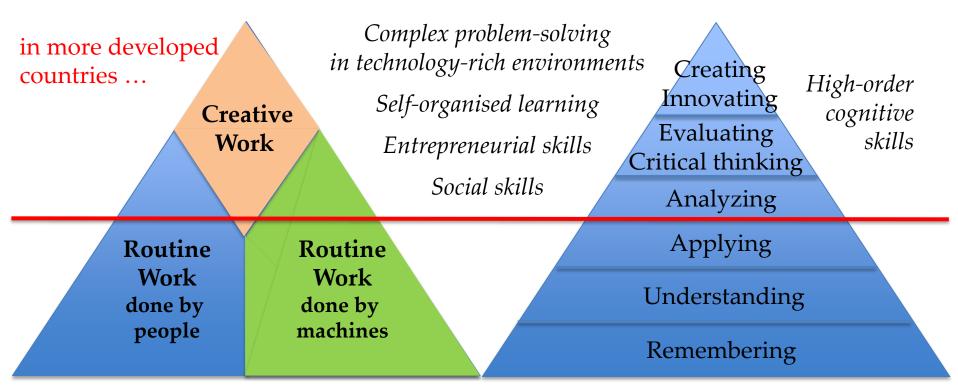
#### Assumption

Historic pillarization of educational sectors separating theory – practice / reflection – action / knowing – doing doesn't meet the requirements of modern societies and economies!



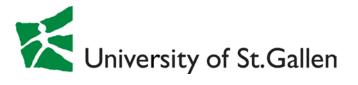


### Future skills shape countries' development corridor ...



in less developed countries/sectors/companies

© Euler /4





### Challenge for education: Development of ,hybrid competences'

Theory **Practice** (knowing) (doing) Hybrid competences for complex problem-solving in technology-rich environments Personality (being)





## Competence profiles within vocational and academic education

# Competence profiles

Academic education

- Excellence-Uni
- Regional-Uni
- UAS-r
- UAS-e

Vocational drift

Scientifc methods, knowledge, theories (know what; ' know why)

Hybrid competences

Practical skills (know how)

#### Academic drift

- Flagship-VET
- Trad-VET
- Low-Status-VET

Vocational education

© Euler /6





## **Options for policy-makers: Potential futures of VET**

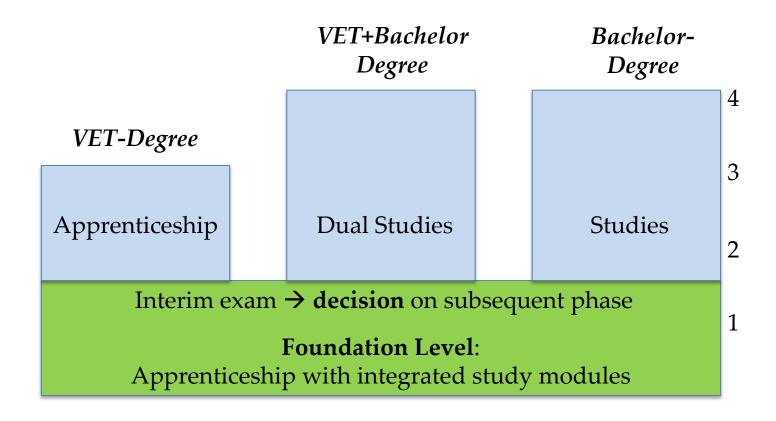
- 1. Keep HE exclusive remove overlappings between HE and VET!
- 2. Increase attractiveness of VET programs!
- 3. Improve permeability from VET to HE!
- 4. Develop a parallel, but separate vocational track architecture covering the entire pathway from apprenticeship to academic degrees!
- 5. Implement models integrating vocational and academic programs / degrees!







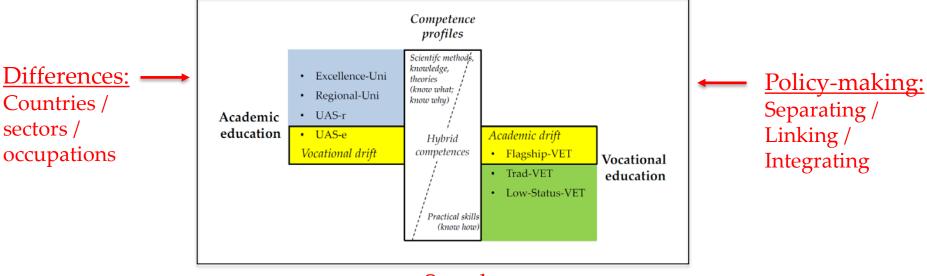
# Example: Study integrating apprenticeship







# Conclusion: Many options – open futures ...



Supply: options in VET and HE



#### Demand:

- Aspirations of school-leavers
- Recruitment preferences of employers