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International Conference

BEE-VET

**TRANSFORMING OF VET IN CONSTRUCTION - INNOVATIVE
MATERIALS FOR BUILDING AND ENERGY EFFICIENCY**

Vocational Education and Training Innovations and Perspectives

7 October 2022

RAMADA Sofia City Centre

Sofia, Bulgaria

Project BEE VET: 2019-1-BG01-KA202-062584

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VET – What does really matter?

- It is not just about school and learning at school
- Business and VET – where and how?
- Rapid changes, twin transitions, Covid-19
- Quality and Excellence in VET within the whole Innovation System

VET – Beyond School

Skills anticipation

Why?

- What is needed on the labour market?
- VET and smooth transition to work
- Dual VET / apprenticeships



The infographic is titled "Skills anticipation" and is attributed to the International Labour Organization (ILO). It is set against a light blue background with a dark blue corner graphic. It contains four quadrants, each with an icon and a text description:

- Skills gaps:** An icon of a woman with a microphone. Text: "When workers lack the skills necessary to do their jobs effectively".
- Skills obsolescence:** An icon of a man at a computer. Text: "When workers lose their skills over time due to lack of use or when skills become irrelevant due to changes in the world of work".
- Skills shortages:** An icon of a man in a suit and hard hat. Text: "When employers cannot find enough professionals with the right qualifications and skills".
- Over/under skilling:** An icon of a woman at a computer with various skill icons. Text: "When workers have skills above or below those required for the job".

VET and Business

- Career guidance
- Joint development of learning and training content
- Joint delivery
- Joint training of professionals
- Joint organising and conducting exams

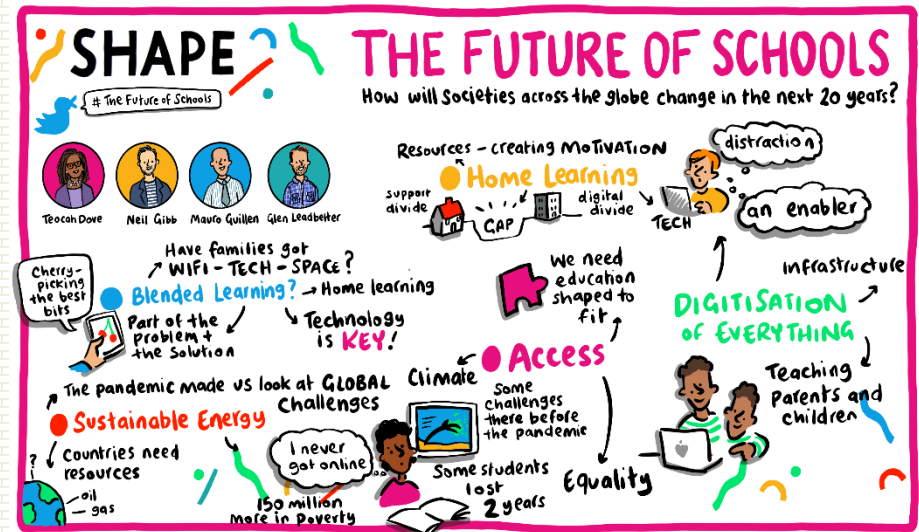


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Context and Challenges

- Global trends:
 - Digitalisation
 - Automatization
 - Demographic changes
 - Climate changes
 - Political challenges
 - Changes in value chains
 - Covid-19
- New professions, changing professions
- Challenges for the school / VET systems: need to constantly adapt and even transform



VET and New Skills

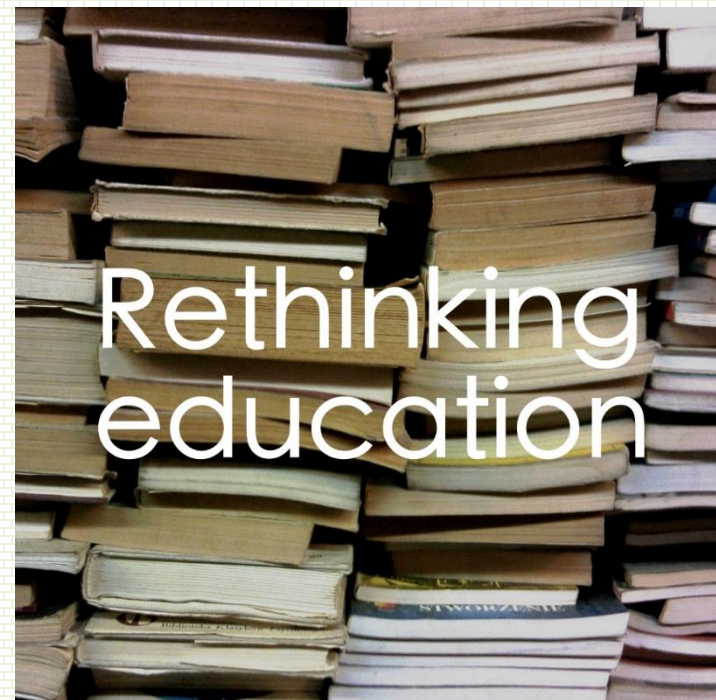
- Skills for work
 - Cognitive Skills
 - Digital Skills
 - General Technical Skills
 - Meta-Cognitive Skills: Problem solving; Learning to Learn
- Skills to adapt to changes
 - Team work
 - Communication Skills
 - Negotiation Skills
 - Adaptability
 - Creativity



Rethinking Education/VET

Rethinking Education: Why?

- Polarisation of job positions: reducing the needs for medium level; 4 out of 5 positions will require high level skills (Cedefop)
- Changing nature of VET: wide and flexible qualifications (even - micro-credentials); new ways of testing and certifying, digitalisation of delivery
- Critical importance of lifelong learning
- Importance of work-based learning: active role of business; partnerships between school and companies



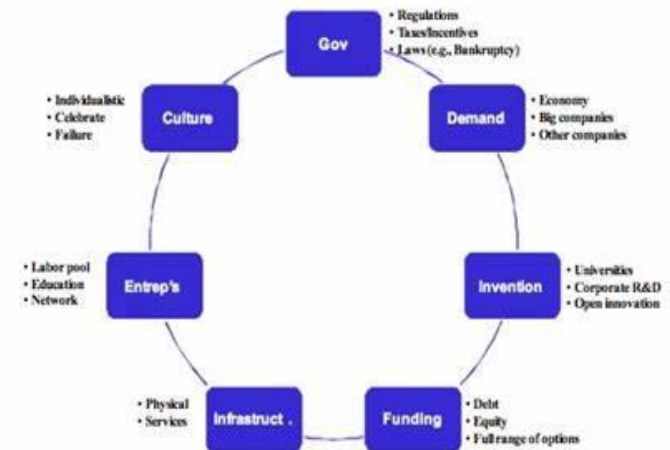
VET in the context of Innovation and Smart Specialisation

Innovation and smart specialisation: defining national and regional priorities and strategic directions and mobilising all corresponding policies – Education, VET, Research&Innovation, Industrial and Employment Policy, Regional Policy, Cohesion Policy

Ultimate Goal: Competitiveness, Productivity, Sustainable Development and Quality Jobs

New way of cooperation: Regional Innovation Ecosystems – Education/VET, business, research

Systems View: Innovation Ecosystem

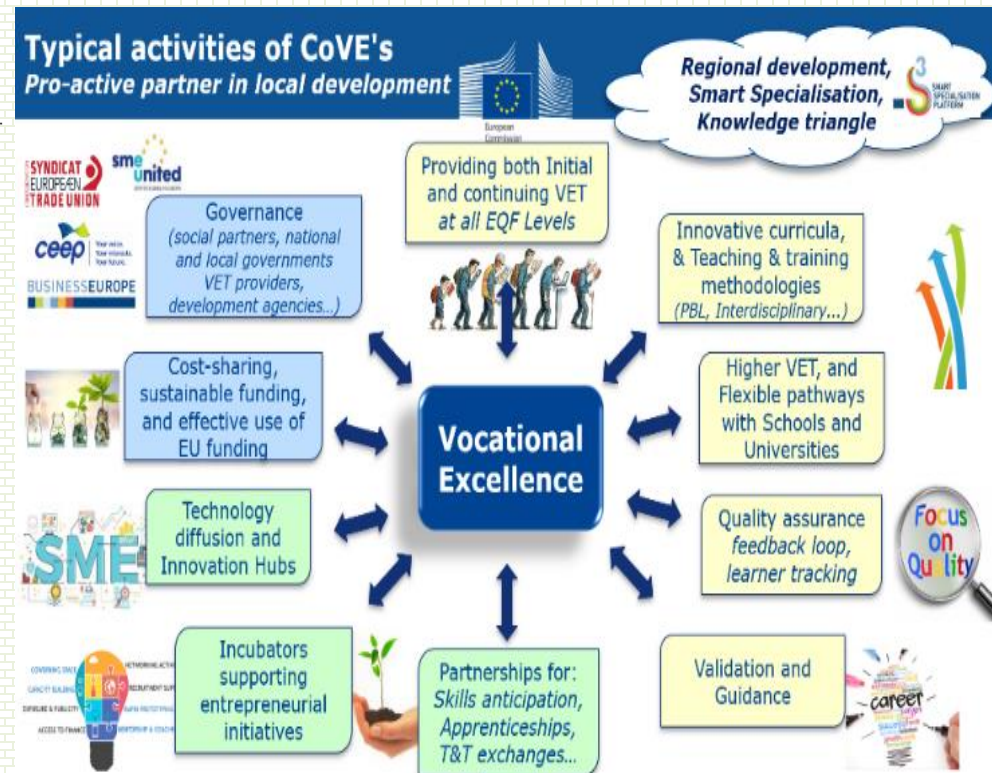


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VET in the Context of Innovation and Smart Specialisation

- Contributing to human capacity development in the field of new technologies and innovations
- New VET institutions: VET Centres of Excellence
- Bottom-up Innovations





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Conclusion

Thank you!

Maria Todorova
Education expert

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