Thematic team
VET 4.0 (previously Technology and Internet 4.0)

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Ylä-Savo Vocational College
What has happened so far

• Decision to establish thematic teams 2018
• Co-ordinators for the teams and first meeting November 2018 in Como
• Meeting of thematic teams in San Sebastian, June 2019
• Meeting of the VET 4.0 team in Copenhagen
• Discussions in basecamp all the time
One definition of Industry 4.0 (KPMG): Industry 4.0 (Industry 4.0, i4.0) is a term used globally to describe an ever-expanding entity of objects, Internet of Things (IoT)-based technologies, artificial intelligence, augmented reality, advanced analytics, and advanced automation.

Industry 4.0 is not just about a particular technology. It is about doing business and its performance, catching up with and gaining competitive advantage. The next challenge is how to find pragmatic and effective ways to make products and deliver services even better, faster and safer, and more responsibly, and how we can develop completely new products and services - and thus generate broad added value for your investment and create a sustainable competitive edge.

This opens up opportunities for organizations to reflect on key challenges such as:

Is our operational model appropriate?
How can we increase our market shares?
How can we improve productivity without increasing costs?
What new services can we develop?

The Fourth Industrial Revolution is now underway and nobody knows exactly what it really means and how far its impact will extend.

Subgroup 1: Organisational change
Subgroup 2: Technological change
Subgroup 3: Global Change
Subgroup 4: Societal change
Subgroup 5: Industry change

What are the main trends concerning leadership, management, workmodels, etc.→ How they change the way we should work in the colleges
What are the major changes in technology and what are the effects in Vocational...
What is happening in global scale and how change will change teaching (big things)
What are the main changes in society and how they change learning → how they change colleges and VET.
What are the main changes in industry and how they change VET.

All together
How the profession of the teacher will/should change How we ensure quality of trainers? ? How it affects to our workmodels and our colleges / VET system.

Combining the proposals and findings. Discussion about the findings and proposals → common understanding!

Azores conference 2019
EfVET conference 2020
EfVET policy paper:
"Vocational College 4.0"
Meeting in Copenhagen

- More concentration of topics and tools
- Testing the "Futures Platform" tool for anticipation of possible futures from different point of views
- New subgroups and facilitators
  - Organisational change: Els de Ward
  - Technological change: Jukka Salmi
  - Global Change: Sulevi Komulainen
  - Societal Change: Anabel Menica
  - Industry change: Martin Koorevaar
- Division into groups
- Discussions in basecamp about the selected topics
What today

• Presentation of Futures Platform
  • Sulevi Komulainen
• Working in subgroups
• Familiarising the themes more deeper..
  • Short findings from each group → paper/email/… to
    • Kari.puumalainen@ysao.fi
### Subgroups so far, new members welcome..

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<th>Big Phenomenas</th>
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<td>Up-Skilling and re-skilling of workers??</td>
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<td>Quality of trainers??</td>
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**Unleash your skills**
What next

• Thursday 24th October (tomorrow)
• Workshop: WS5 INDUSTRY, INNOVATION AND E&T 4.0
  • E&T 4.0 = EDUCATION AND TRAINING 4.0
  • All welcome
• Discussions about the big theme (and some other theme) continues
• Focus on topics:
  • The scope of this workshop is to focus on training programmes and the pace with which industry is rapidly changing the world of work.
  • Is there enough leeway between the developments in industry and the developments in VET schools and colleges?
  • Is E&T 4.0 real or simply a cliché to outwardly show that education is moving at a slower but steady pace with industry?
  • Where do VET schools and colleges stand when speaking of sustainable innovation? In teaching entrepreneurship are schools enterprising enough?
What next: after the conference

• Next year
  • Working in subgroups
  • Making a presentation and text about
    • What is happening
    • How it will affect on VET
    • What we should do in VET colleges (= recommendations)
  • Meeting at spring 2020, place and time open (who would host us?).
  • Presentation will be shown in next conference 2020
  • Policy text will be given through EfVET to all stakeholders.
  • Deadline: presentation and policy text ready at September 2020.
Working in groups

• Make five groups
  • Organisational change
  • Technological change
  • Global Change
  • Societal Change
  • Industry change
• Check the possibilities of Futures Platform tool
• Discussions of future trends (VET 4.0 radar)
  • Rating the phenomenas
    • Relevance
    • Impact
• Findings
  • What are the uprising trends of your topic
• Share your findings to others