

Technology is the answer, but what is the question?

Janerik Lundquist
Linköping University

A paradigm shift

Teaching → Learning

Teacher → Learner

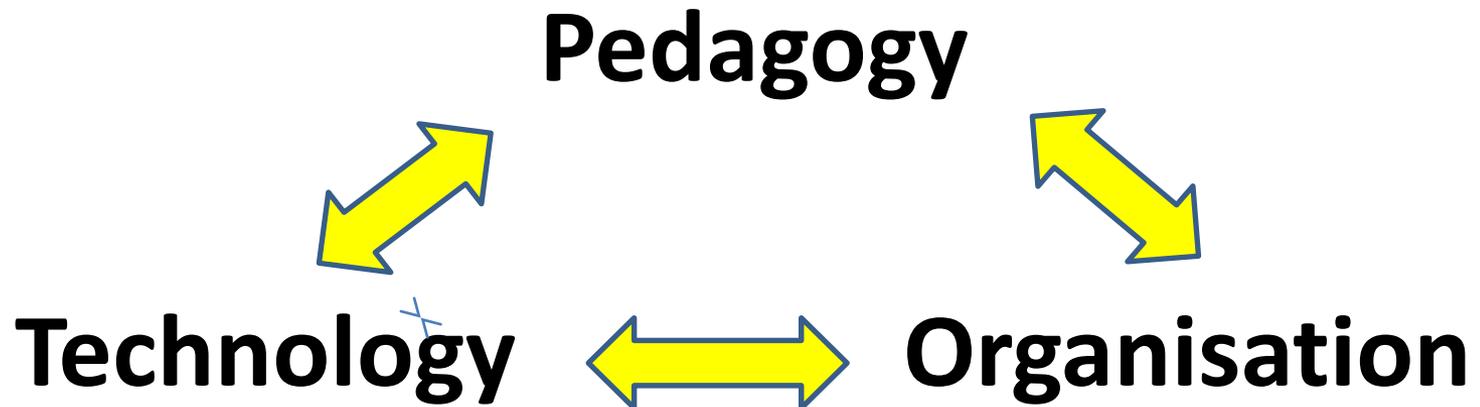
What do we have to do now?

Create new and adapted
learning environments

**Not always based on
e-learning or ICT**

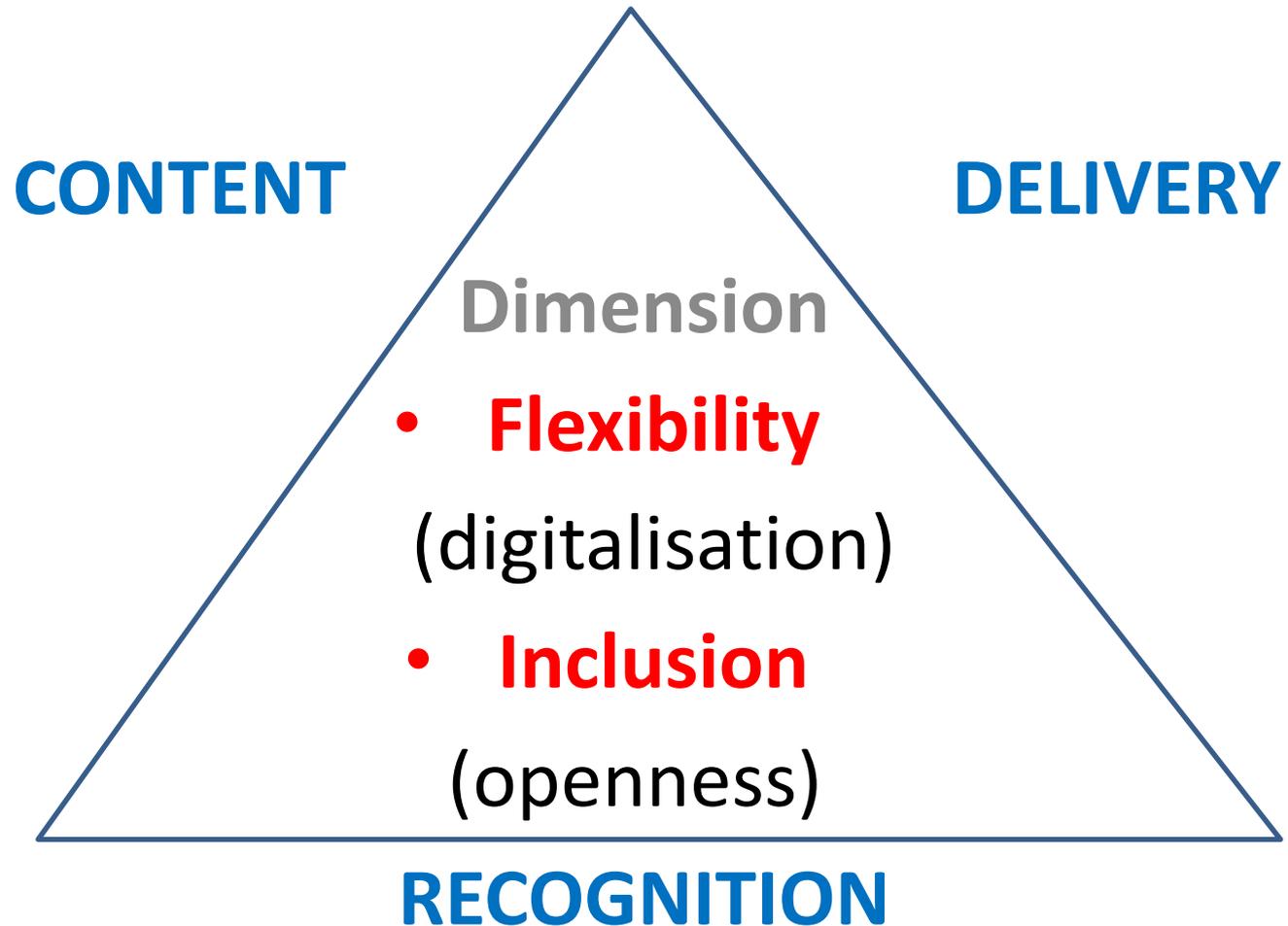


The principle of e-learning



How create an optimal balance?

Three core processes of higher education provision



Source: ECDI Report 2018

Now we have to face a shift from teacher to student as to:

- In the production of knowledge – **Authorship**
- In the sharing of knowledge – **Responsibility**
- In the management of knowledge, material and resources – **Autonomy**

The role of the teacher:

Facilitate, inspire, being a mentor etc.
Provide infrastructure, ICT etc.

Single & Dual Mode Universities

Single mode

- Open University, UK
- Open University, The Netherlands
- Fernuniversität, Germany
- Uninettuno, Italy
- Universidad Nacional de Educación a Distancia, Spain
- Etc.

Dual mode

Ordinary universities with on campus and e-learning education

Some identified problems with e-learning for the teachers

- A dilemma - More effective but more expensive
- How evaluate e-learning in teaching hours
- How create customized teacher training
- Is everybody ready for teamwork
- How to handle a new legal environment

The Communiqué from summit meeting with the 28 EU Ministers of education in May 2018

- Besides degree education, the universities are to be stimulated to **organise continuous education and open education as a core business, using online modes of teaching for flexibilisation.**
- Governments have to **provide a structural place for these areas in their higher education systems.**
- This focus on **lifelong learning, digitalisation and flexibilisation is now a strong recommendation to all European universities.**
- To give follow up on this **governments and universities should now start a dialogue on how to fulfil this important task together**, also in consultation with social partners.

Current research on e-learning

- Learning via mobile devices
- e-assessments
- MOOCs (massive open online courses)
- Virtual reality

are, in this order, the four most published e-learning topics in 2017 based on 855 research papers.

Remember

**Digital Competence is not just an
issue of technology!**

Thank you!

jel@ipe.liu.se