Setting the future scene:

Expected changed to education and training in 2025

Foresight Policy Workshop

"New Ways to Learn New Skills for Future Jobs": Implications for education, training and skilling policies

JRC IPTS – DG EAC, 27 May

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Institute for Prospective Technological Studies
The European Commission's Research-Based Policy Support Organization

Education and Training (learning) are going to change (or have to change...) in the next 10-15 years

What are the expected changes?

Views from (1) experts and from (2) teachers on major changes in Education and Training in the next 10-15 years

Views from (1) experts

One important change of Education in 20 years will be...

- **Group Concept Mapping**
- **13 Educational experts generated 203 unique statements**
- **Idea generation, clustering, ranking**
- **Individual – via email**
- **Clustering and rating of statements**

TNO-NL, Open University NL and Attic Media-UK

Personalised, flexible, interactive learning

Learner in control
Stronger focus on job-related learning

Formal education goes informal

LLL: learning shifts to home, work, community

Changing pedagogy: people learn differently

Increased use of facilitators (tools and services)

Recognise what people do and can

Globalisation of education

Institutions become enablers and connectors

Teacher becomes also mentor, coach

Open education and resources

Use of technology for learning

Ranking on importance and feasibility

Expert ratings on....

Importance

Personalised, flexible, interactive learning

Learner in control

Stronger focus on job-related learning

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Open education and resources

Use of technology for learning

4.06

3.21

Feasibility

3.91

Open education and resources

Use of facilitators (tools and services)

Use of technology for learning

Recognise what people do and can

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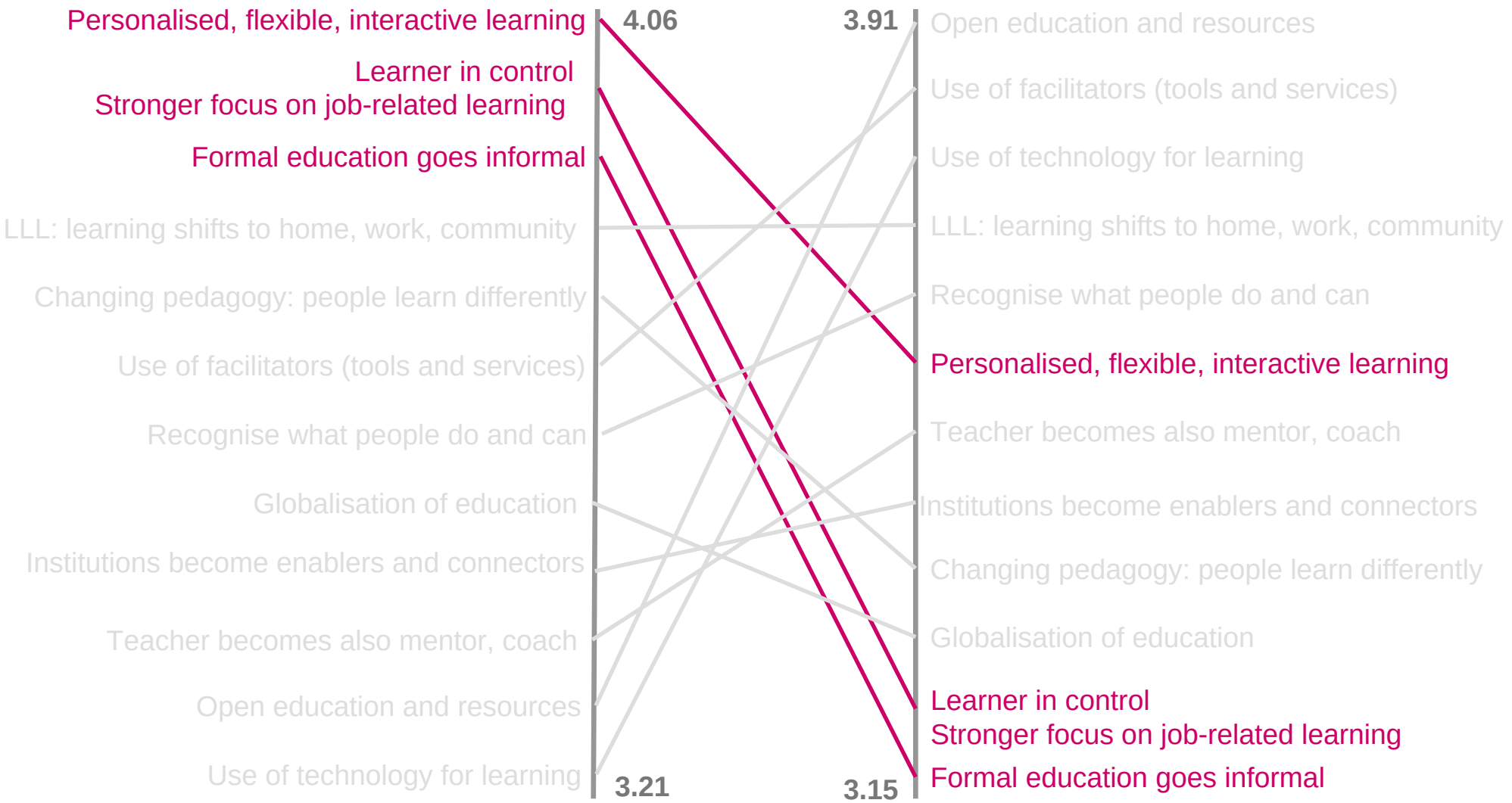
3.15

Formal education goes informal

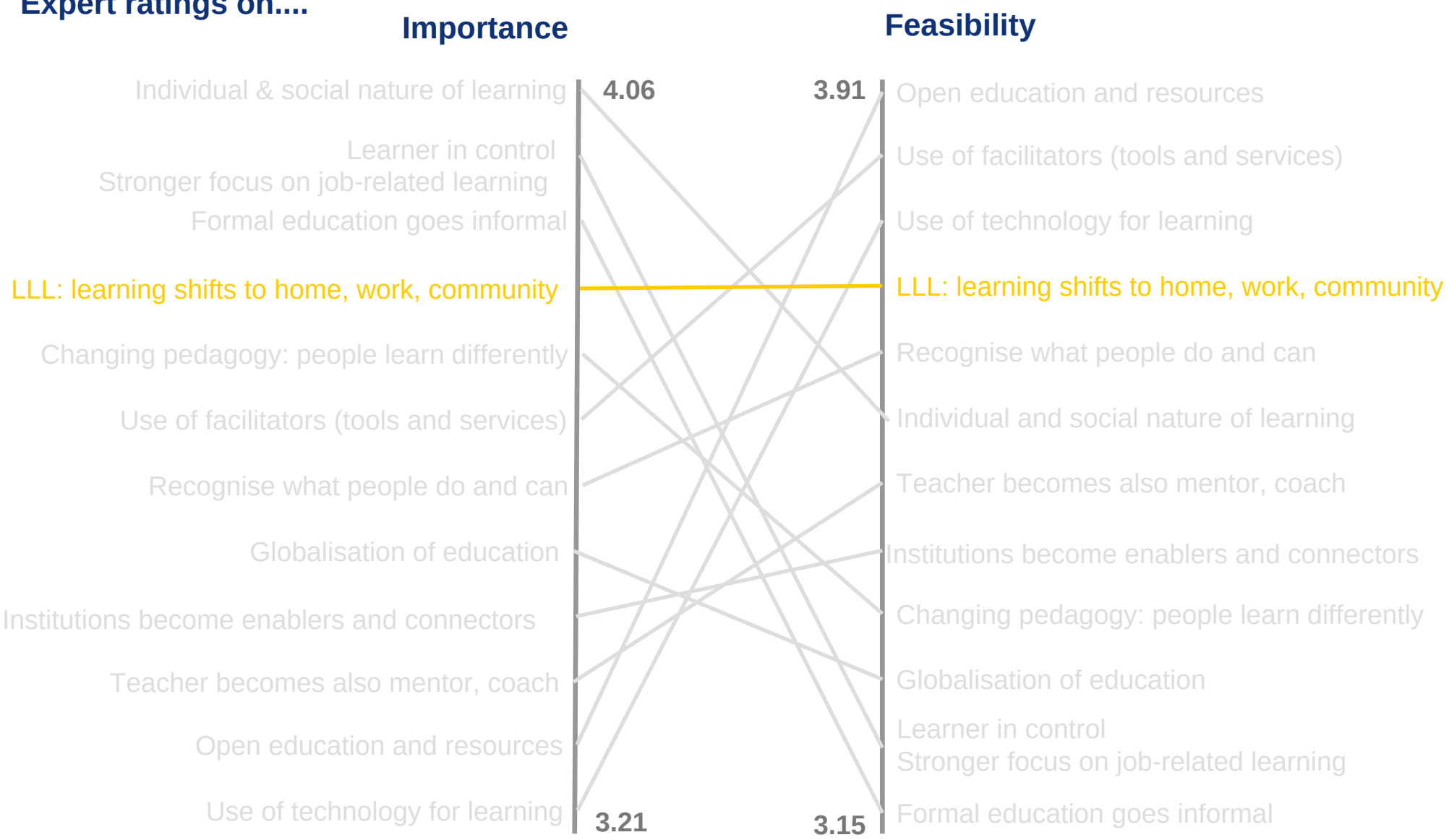
High priority areas but more difficult to realise

Expert ratings on....



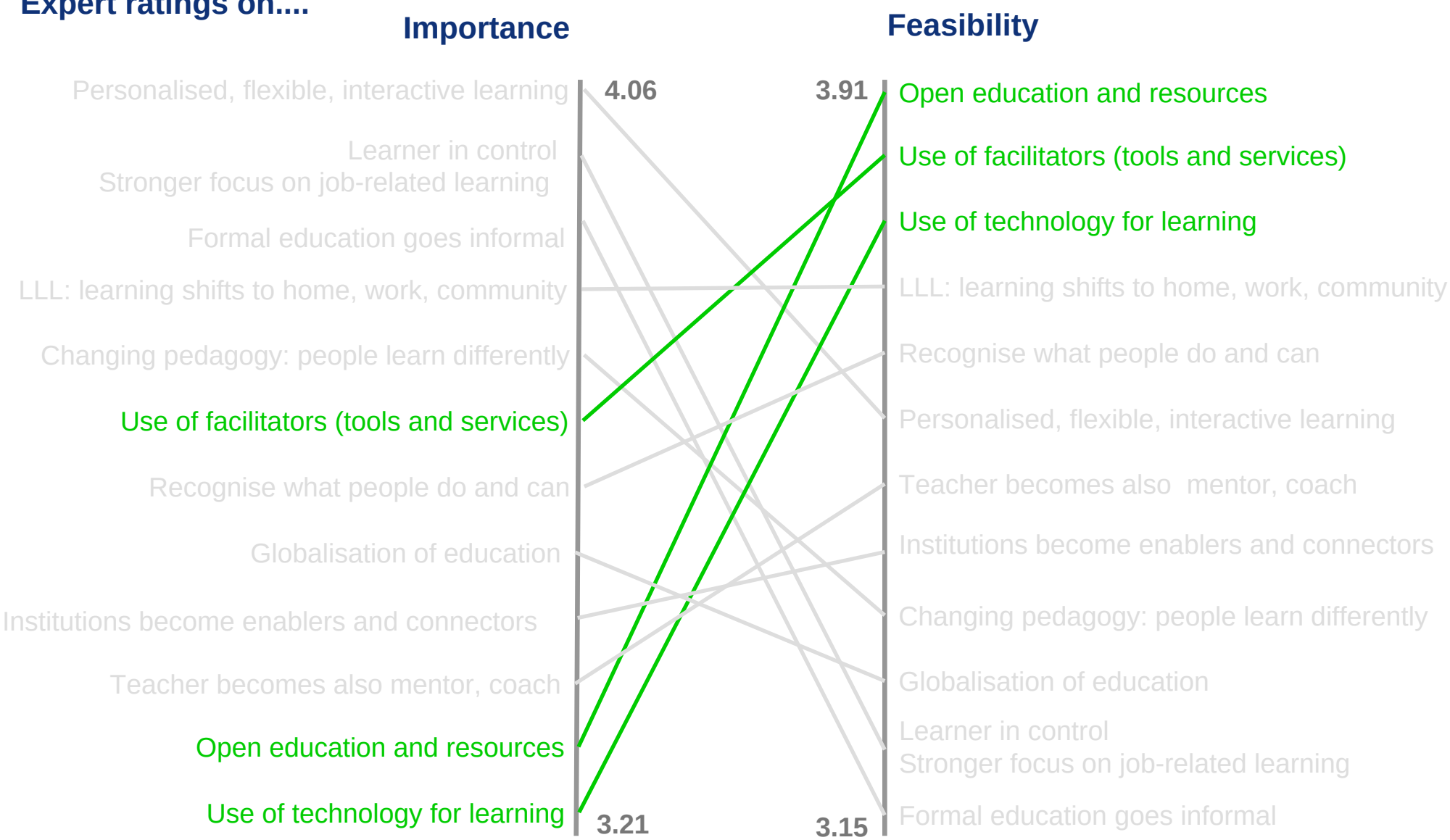
Confirmation of LLL as a key priority

Expert ratings on....



ICT: feasible priority

Expert ratings on....



Summary experts view

- Major areas of change
- Changes in learning & teaching are most important but less feasible
- Shifting responsibilities from institutions to individuals
- Technology-oriented changes are most feasible
- Central place of “Lifelong Learning” as a connector and bridge to others

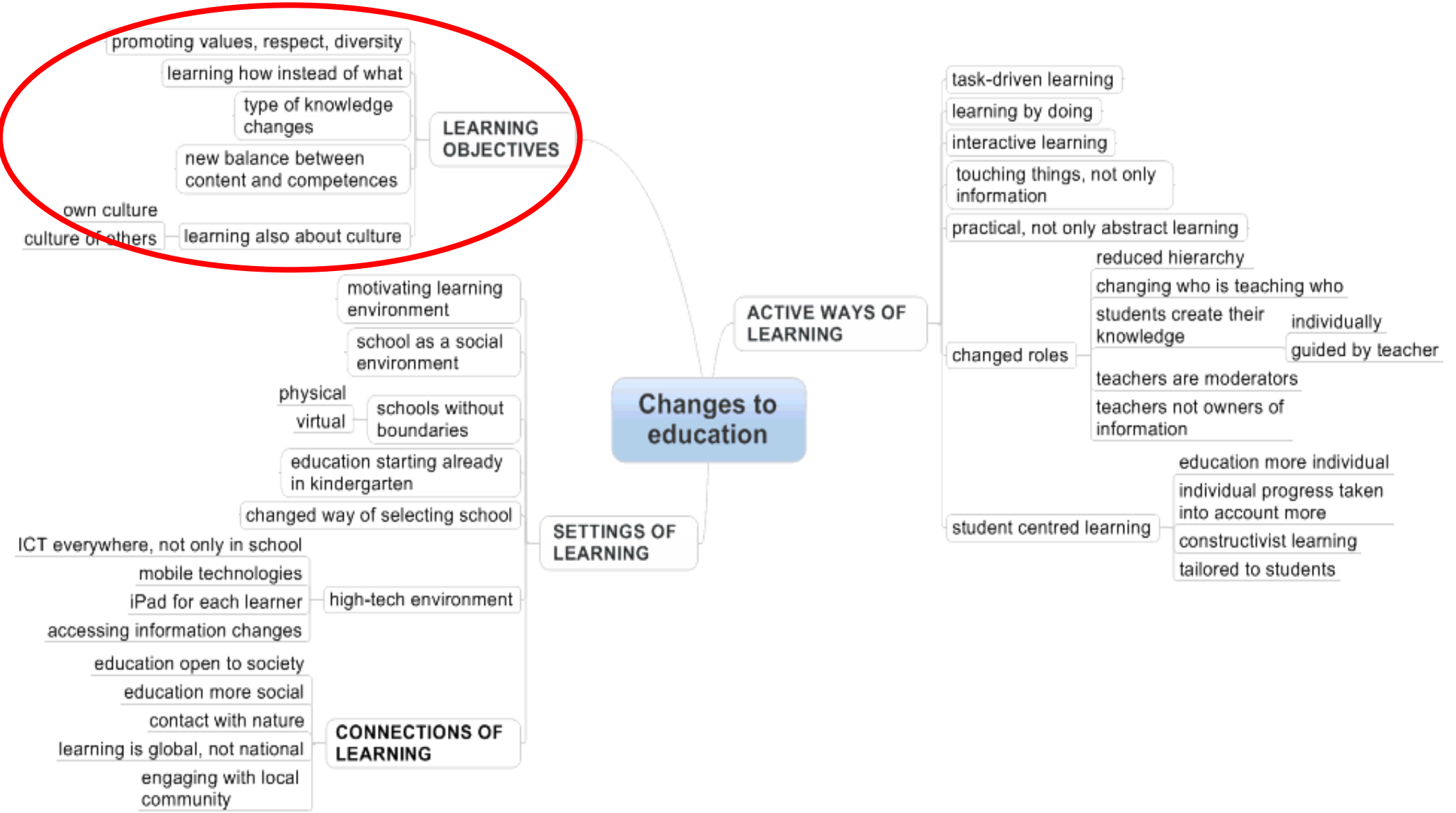
eTwinning Conference 2010: Celebrating 5 years!

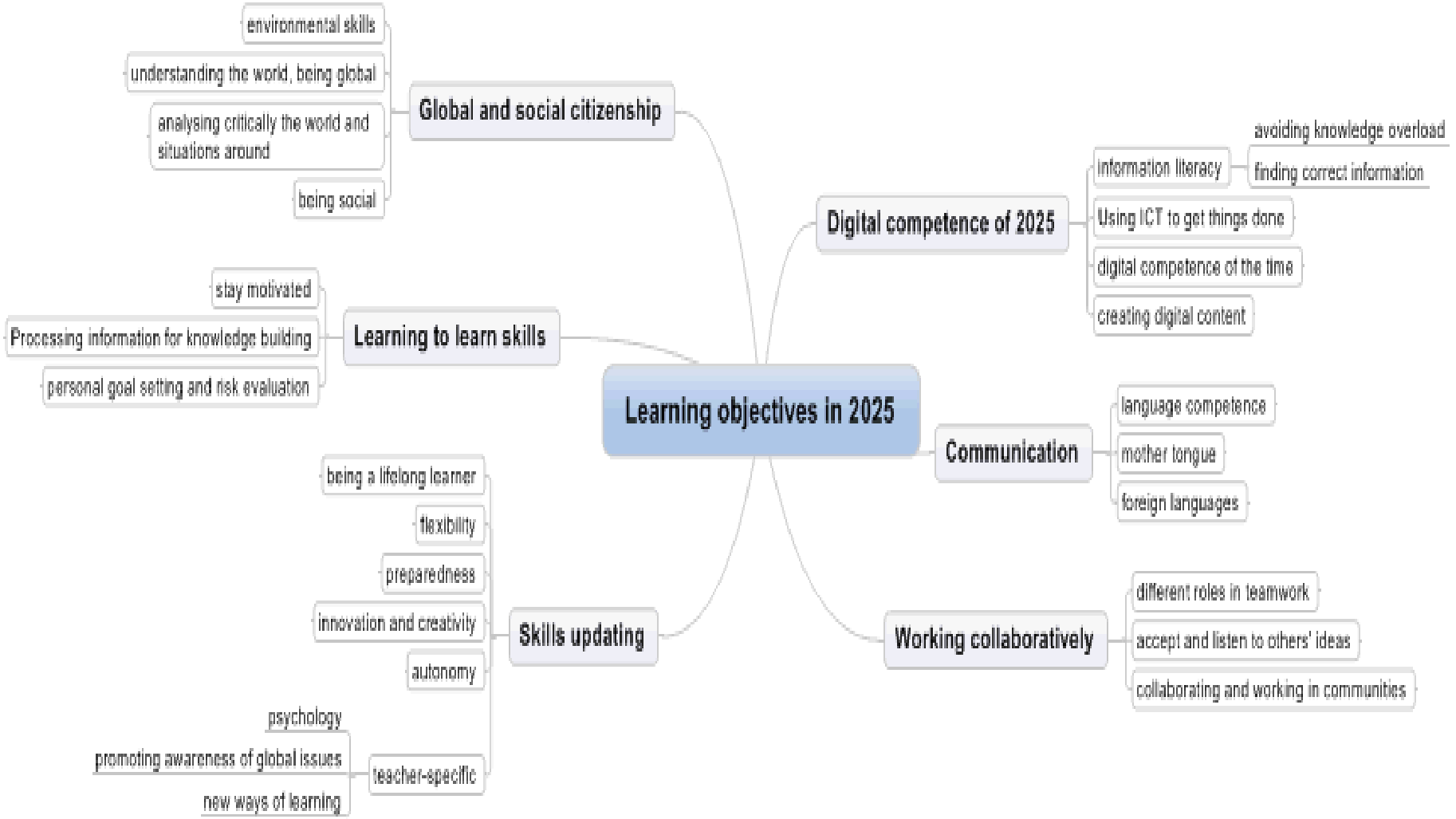
This year's annual conference will take place in Seville, Spain, from 5-7 February. For those unable to attend, live online streaming will be available.

One important change of Education in 20 years will be...

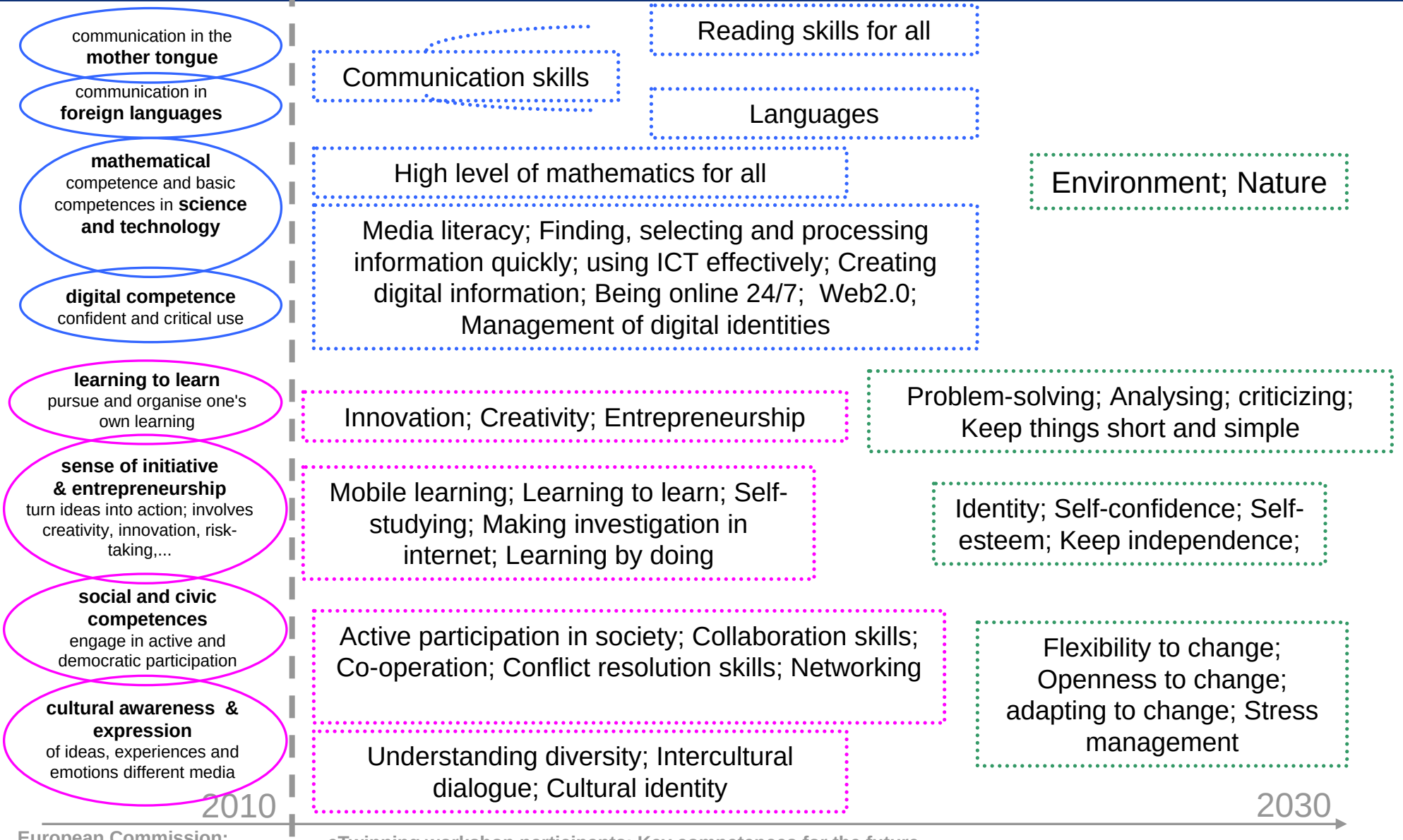
- **Facilitated brainstorming and Group work**
- **4 working sessions, 35 teachers (predominantly)**

Teachers on changes to education in 2025




Learning objectives in 2025
Global and social citizenship
environmental skills
understanding the world, being global
analysing critically the world and situations around
being social
Digital competence of 2025
information literacy
avoiding knowledge overload
finding correct information
Using ICT to get things done
digital competence of the time
creating digital content
Learning to learn skills
stay motivated
Processing information for knowledge building
personal goal setting and risk evaluation
Communication
language competence
mother tongue
foreign languages
Skills updating
being a lifelong learner
flexibility
preparedness
innovation and creativity
autonomy
teacher-specific
psychology
promoting awareness of global issues
new ways of learning
Working collaboratively
different roles in teamwork
accept and listen to others' ideas
collaborating and working in communities

Teachers on key competences in 2025



European Commission: Key Competences (2006)

eTwinning workshop participants: Key competences for the future

- **Major areas of change are known**
  - Shift in emphasis from knowledge to competence-based learning
  - Re-considering key competences for 21th century including assessment and certification
  - Ensuring constantly evolving digital competences for all (also for teachers)
  - Supporting learner-centred, personalised, lifelong, life-wide and informal learning
- **Challenge for policy makers lies in multi-dimensional nature of the "educational process":**
  - Different ways of learning and of teaching (pedagogical change)
  - Changing roles of actors and institutions, shifting responsibilities
  - Enabling role of technologies
  - Changing skills needs and competences (including digital competences) in society and economy require also changing assessment and certification schemes

Thank you

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http://is.jrc.ec.europa.eu/pages/EAP/eLearning.html