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Seminar on ICT-based learning in Petra, Jordan

HERE Annual Conference 2015

Innovating learning and teaching: the next phase of the Bologna Process

The role of ICT in learning & teaching

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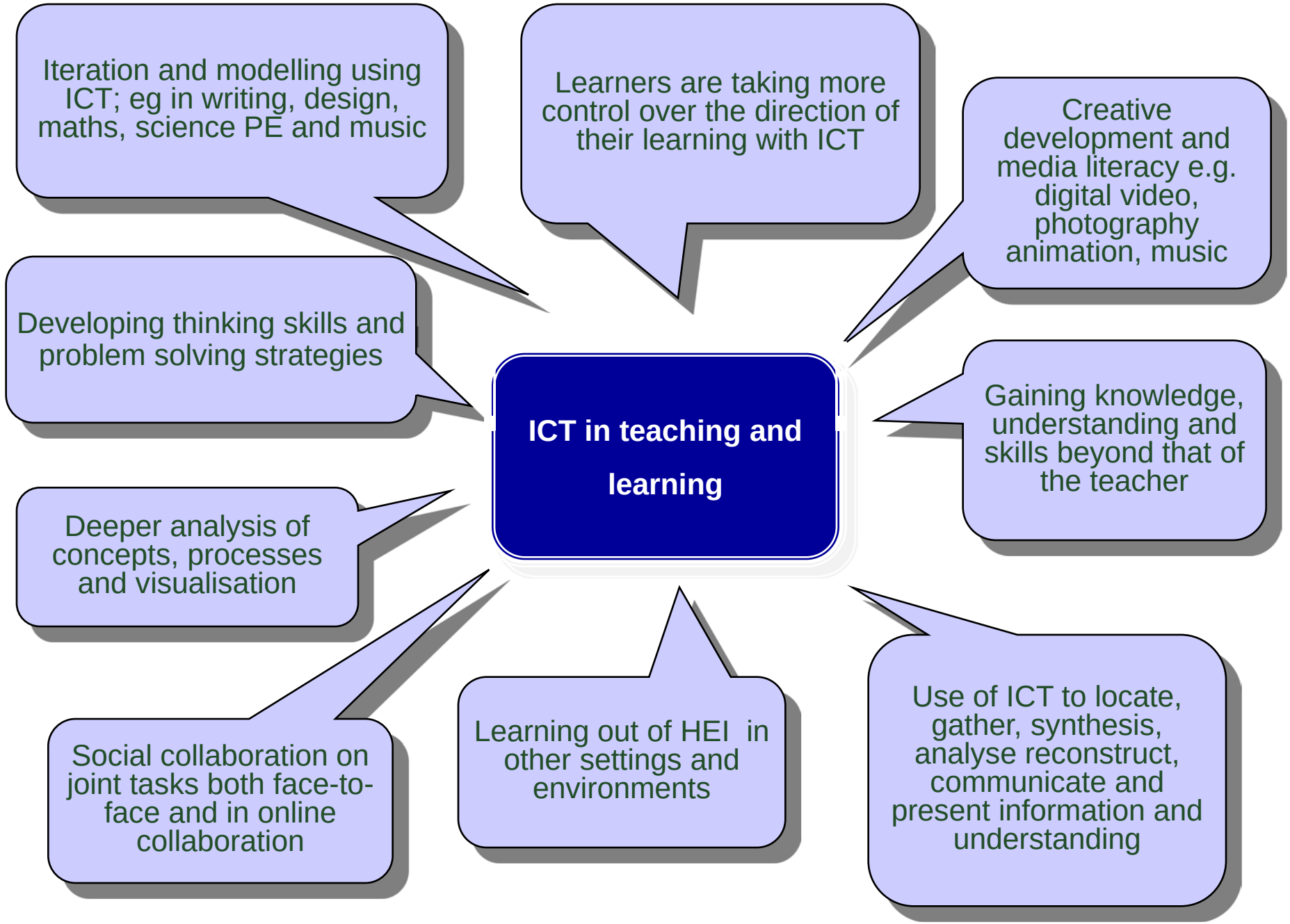
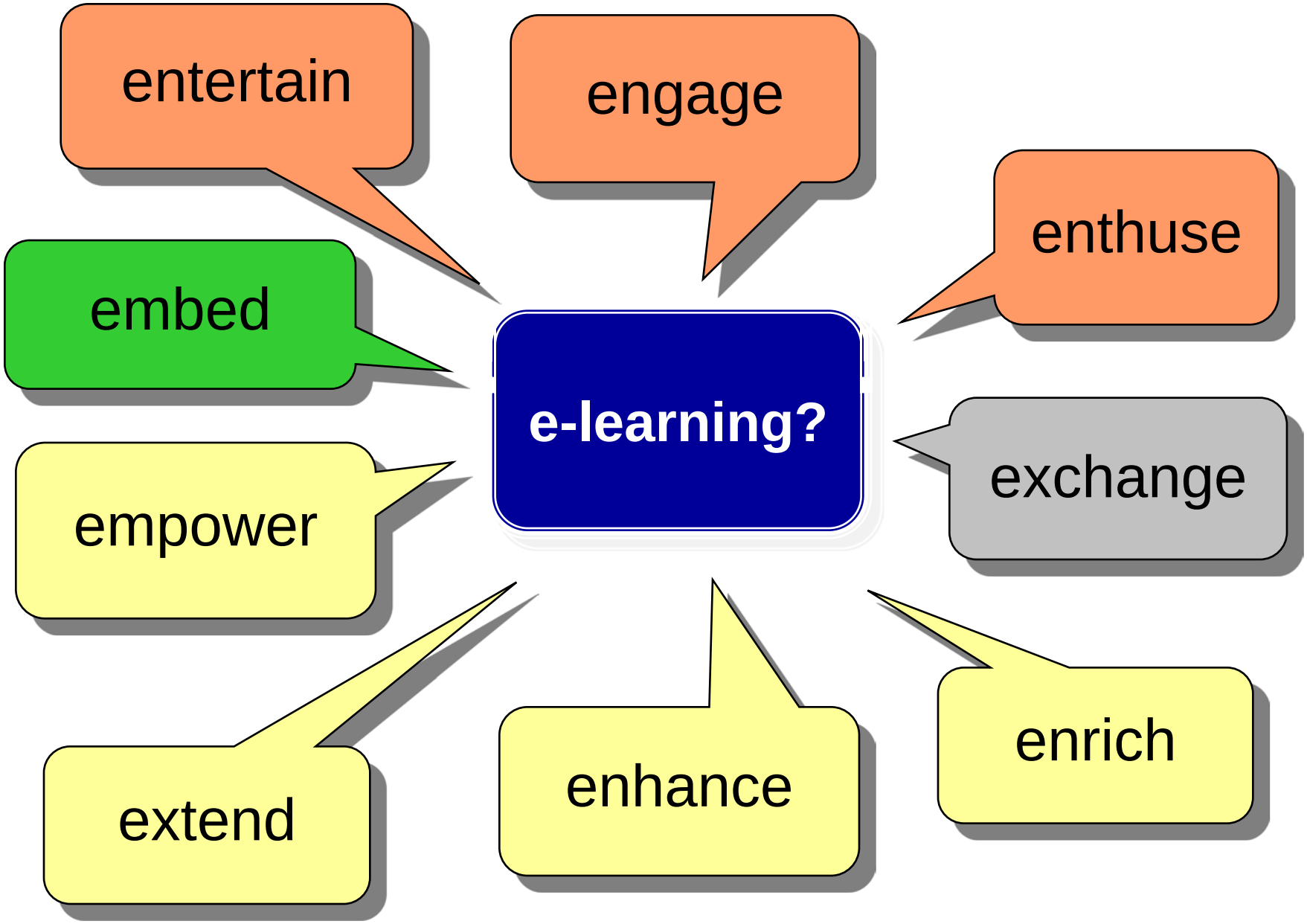
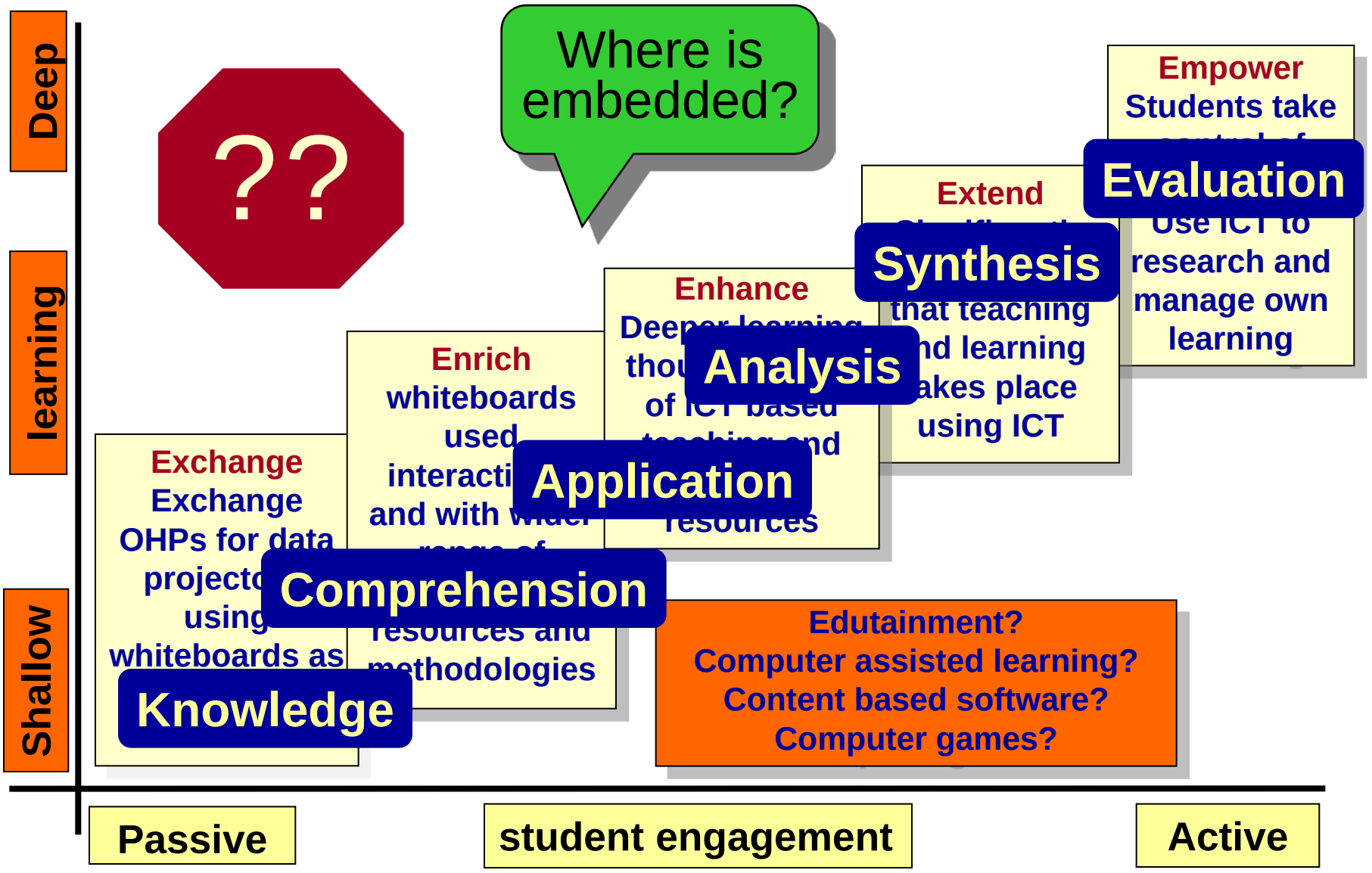

ICT in teaching and learning
Iteration and modelling using ICT; eg in writing, design, maths, science PE and music
Learners are taking more control over the direction of their learning with ICT
Creative development and media literacy e.g. digital video, photography animation, music
Developing thinking skills and problem solving strategies
Gaining knowledge, understanding and skills beyond that of the teacher
Deeper analysis of concepts, processes and visualisation
Social collaboration on joint tasks both face-to-face and in online collaboration
Learning out of HEI in other settings and environments
Use of ICT to locate, gather, synthesis, analyse reconstruct, communicate and present information and understanding


entertain
engage
enthuse
embed
e-learning?
exchange
empower
extend
enhance
enrich

Learning and ICT



The role of teachers needs to shift!

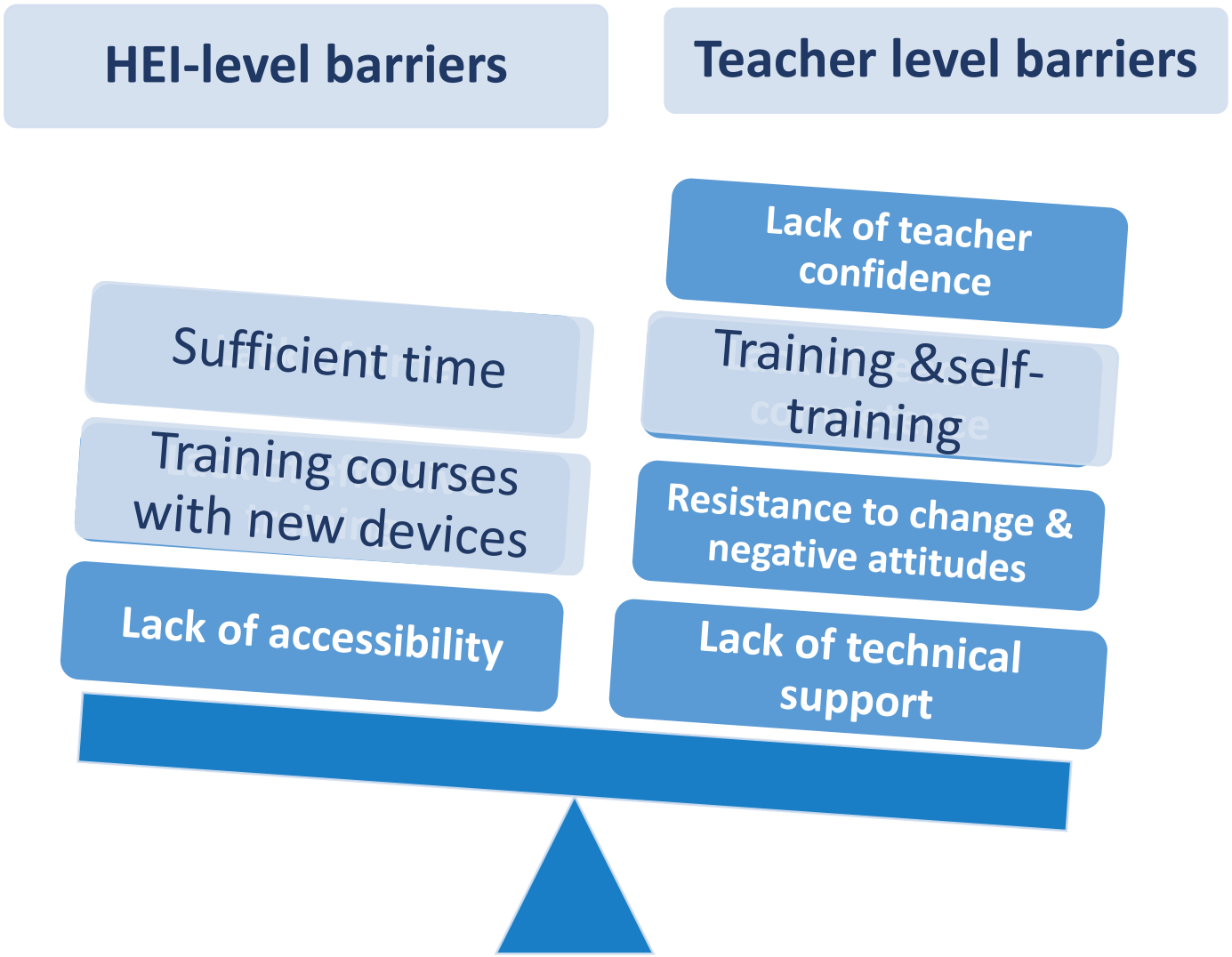
unacceptable

Passive
Unidirectional

suitable

Active
Interactive

Obstacles and overcomes



Barriers	HEI	Teachers
Lack of access	Providing ICT resource including hardware and software	-Taking advantage of resources offered at school -Access to ICT resources at home
Resistance to change	Training in new pedagogical approaches	Being open minded towards new ways of teaching
Lack of time	Providing sufficient time: reducing the number of teacher lessons, increasing the daily lesson time	Acquiring skills of self and time managements
Lack of training	Providing training courses in dealing with the new devices, modern technologies, and new pedagogical approaches	Preparing themselves (pre-service) by self-training -taking up opportunities for training offered at schools -knowing how to access to resources
Lack of technical support	Providing continued technical support	-Relying on themselves to be able to solve problems in their use of ICT -Accessing available support

Conclusions

- The use of ICT in the HEI is very important for providing opportunities for students to learn how to operate in an information age.
- The use of ICT in education provides problem-based learning and enables students to be independent, have a critical thinking.
- The impact of ICTs on learning can be approached in various ways to meet the need of learners.
- One of the greatest challenges in ICT integration in education is balancing educational goals with economic realities.
- ICTs in education require large capital investments.
- In term of human resources, the constraints are due to the lack of trained teaching manpower and lack of motivation among educators to adopt and integrate ICT as a tool into their teaching or educational curriculum.

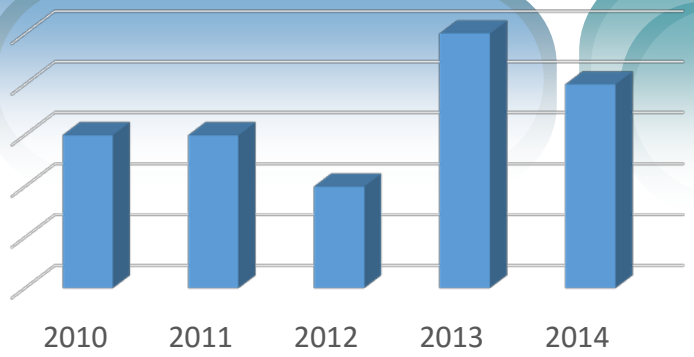
Incentives

Criteria for study activities of HEI teaching staff

The level of computer and information technologies in teaching, curriculum development and presentation materials (20 points)

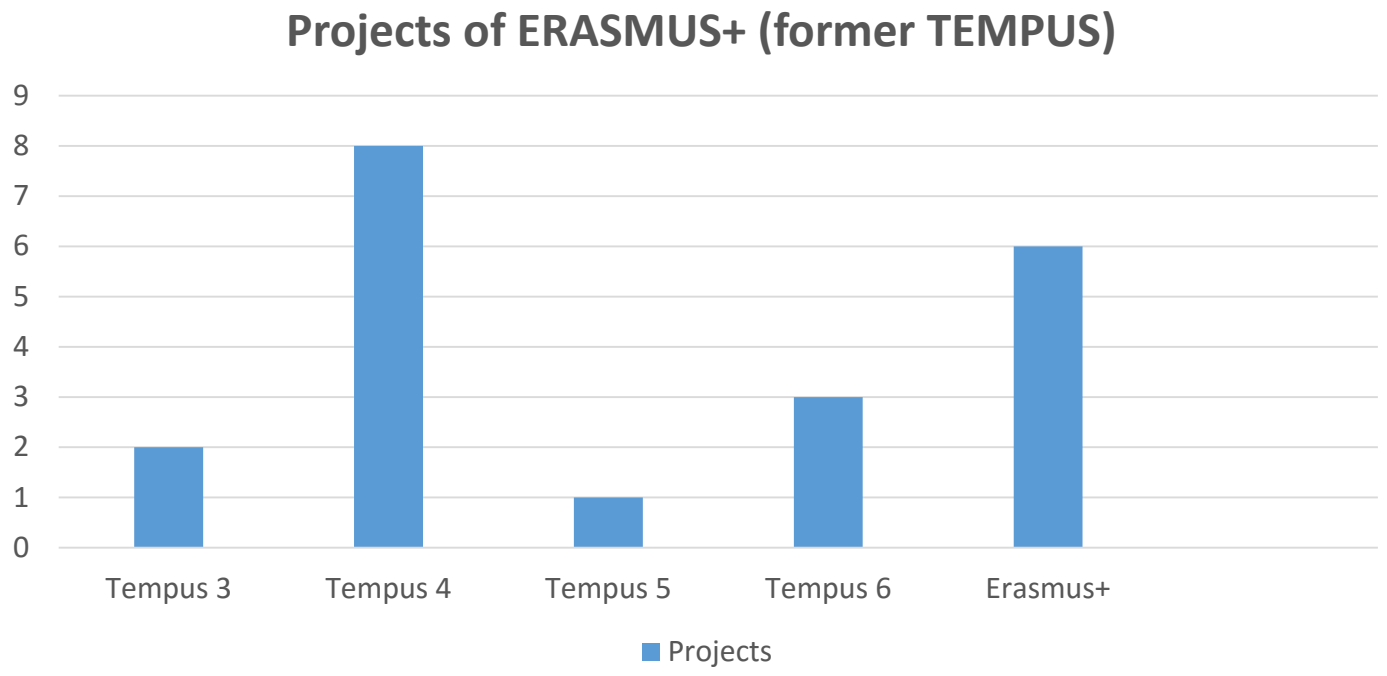
Improvement the retraining system of the teachers and involving ICT using the Internet, multimedia and distance learning methods in the educational process

E-books, computer equipment, multimedia equipment, e-resource, availability of the Internet



-"The best teacher of higher educational institution"
- The Central Asia Symposium on ICT in Education

Value of projects aimed at development of the universities ICT structure



1960
- **Whenever**
- **Wherever**
- **Whoever**

1980-2000
- Same time
- Same place
- Same age

2020
- Anytime
- Any place
- Anyone

Decision was made by leaders 50 years ago

Build national consensus

Education as dream-making

Success through technology

Teachers are Nation Builders

Whether to make the change or not

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- https://www.facebook.com/uzheres/
- http://supporthere.org/petra2015/page/presentations-and-survey-results
- http://supporthere.org/tbilisi2015/page/documents-0
- E-learning in European Higher Education Institutions (2014)
- Trends 2015 - Learning and teaching in European Universities (2015). EUA

THANK YOU!

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