



A concrete example,  
results and  
recommendations:  
digital-pedagogical  
competence  
development



**Executive Summary – The Key Findings  
from the EVALUATE European Policy  
Experiment Project on the Impact  
of Virtual Exchange on Initial  
Teacher Education.**



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(on behalf of the EVALUATE consortium)

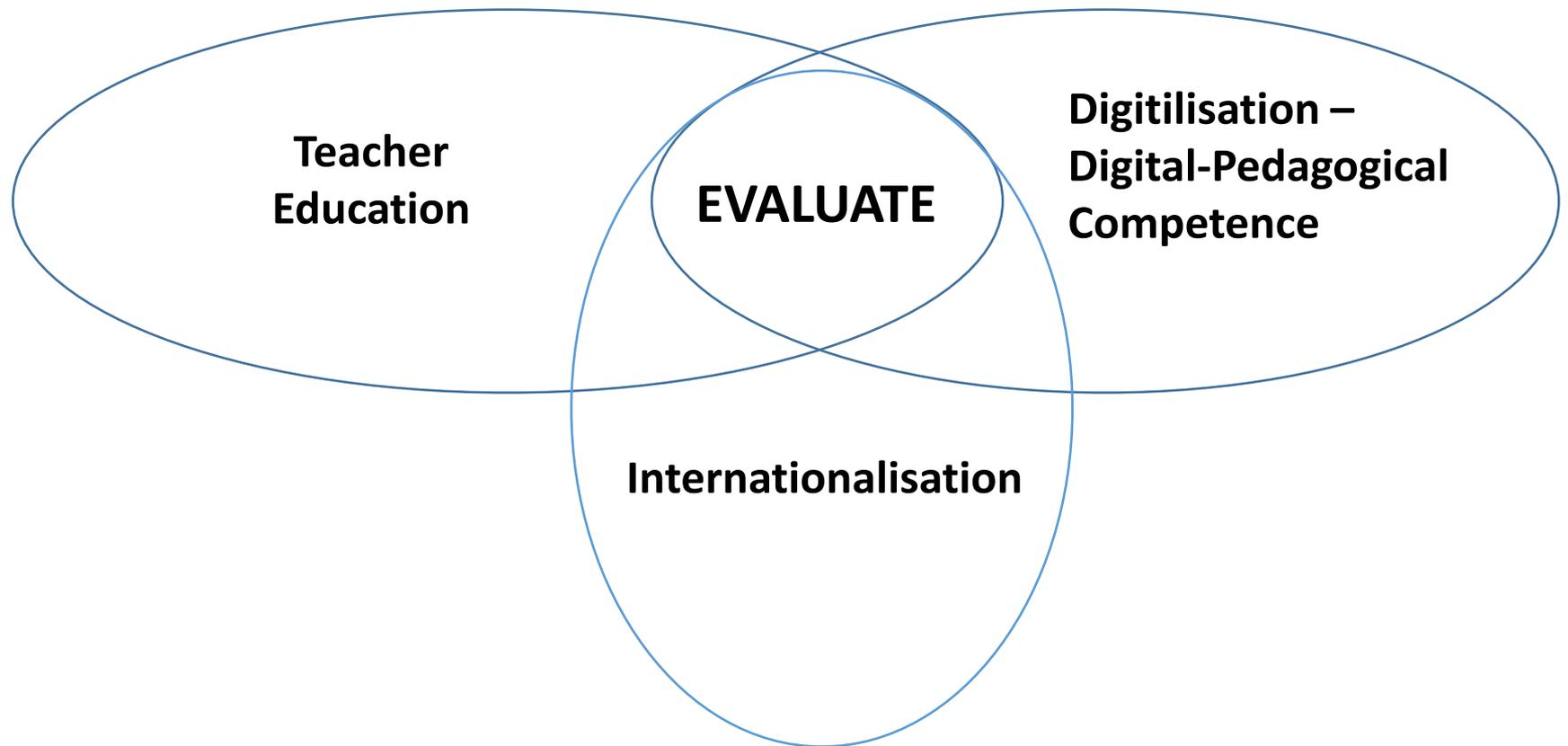
# Who have we worked with in our European Policy Experiment?

**25** Virtual Exchanges

**1000+** Students

**34** Teacher Training Institutions

**5** Ministries of Education





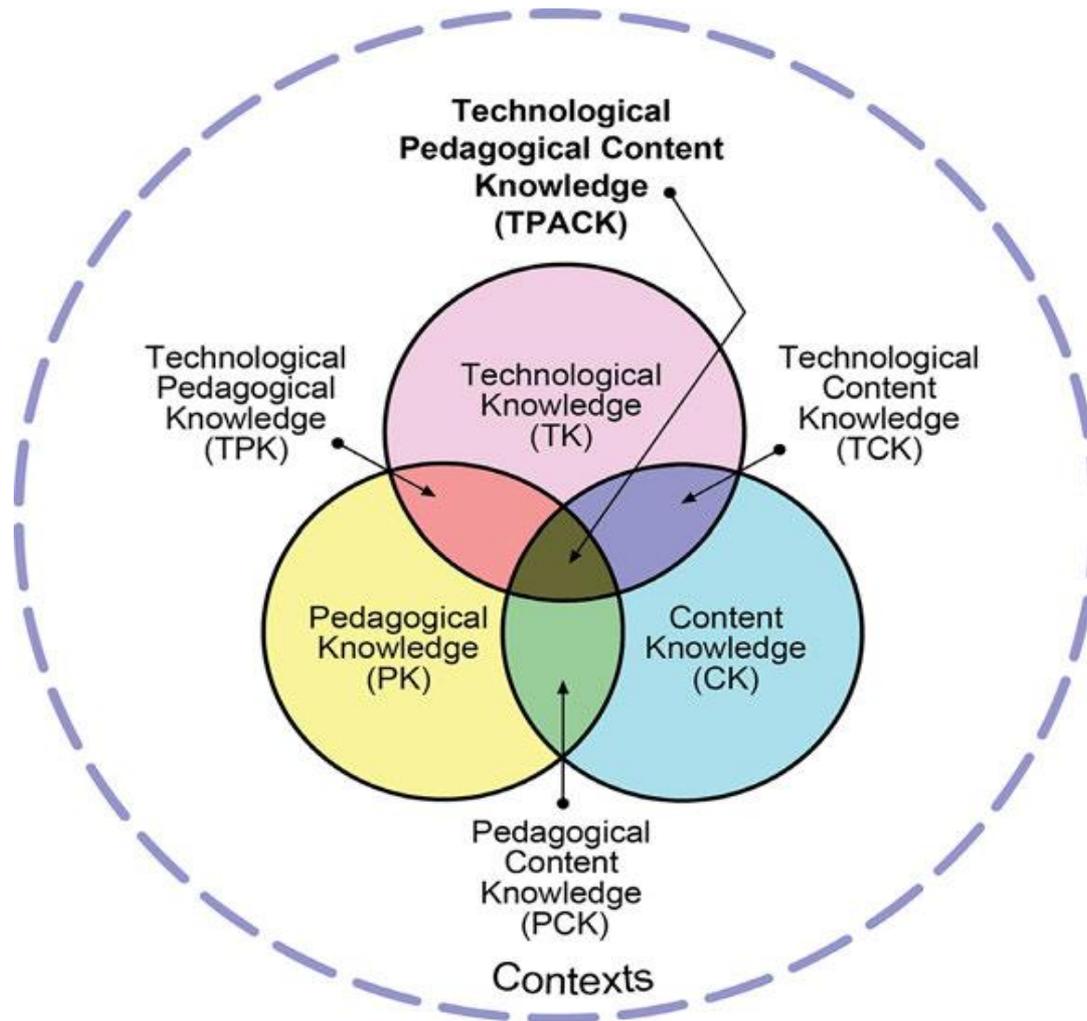
## **A Virtual Exchange example:**

- Teacher training groups from Jan Dlugosz University, Częstochowa, Poland and the Pädagogische Hochschule Heidelberg, Germany
- Polish and German EFL M.A. students work in international teams ( disparate levels of ICC, language proficiency and digital pedagogical competence)
- A teacher training scenario: Collaborative task design, peer evaluation, ongoing reflection
- Time scope: 14 weeks (winter term)

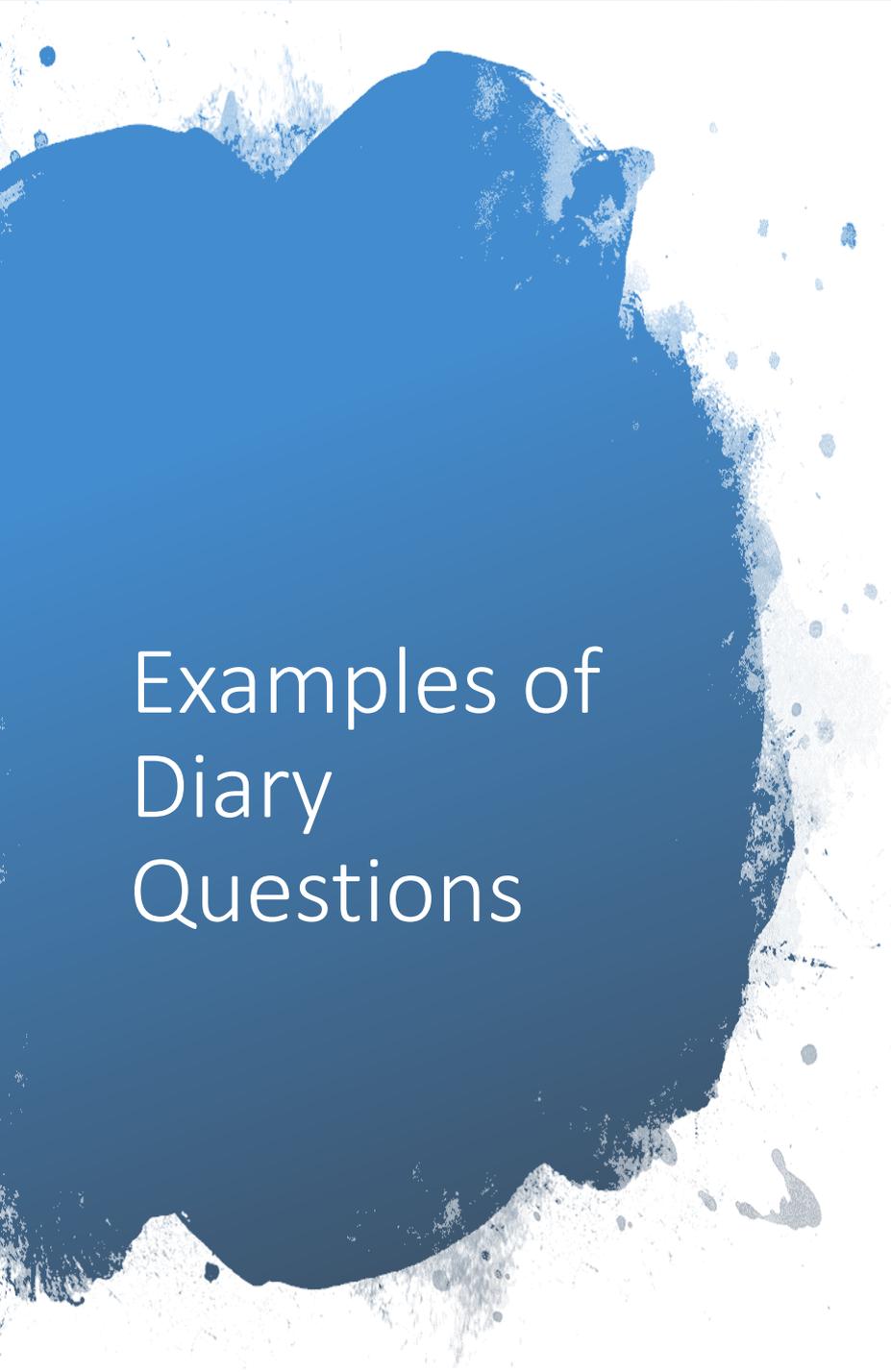


### **Task structure of the Virtual Exchange:**

- Create a written and multimodal personal presentation (ice-breaking task) using glogster, animoto or prezi
- Form a group identity (reflected in its name) and introduce it to the other groups
- Design an activity developing intercultural communicative competence (ICC)
- **Evaluate** a partnering group's ICC activity
- Design a sequence of ICC online activities (delivered via a Weebly site: [weebly.com](http://weebly.com))
- **Evaluate** the sequence created by a partnering group
- **Reflect** on one of the critical learning incidents in the course



<http://www.tpack.org/>



# Examples of Diary Questions

## **Learner Diary 1 (with pre-test):**

Can you give a concrete example (a lesson, a series of lessons, or even an entire class/course) of how the use of technology has enhanced teaching or learning (a situation where you were either a learner or a teacher)? What was the topic and which tools and/or online environments were used?

## **Learner Diary 2:**

What have you learned from your first task about selecting technologies that enhance what students learn and how they learn?

## **Learner Diary 3:**

What have you learned about the need to adapt online tools to how learners use tasks in your subject area?

## **Learner Diary 4 (close to post-test):**

What have you learned so far about how technology influences your teaching approach?



# Themes Emerging from the Data

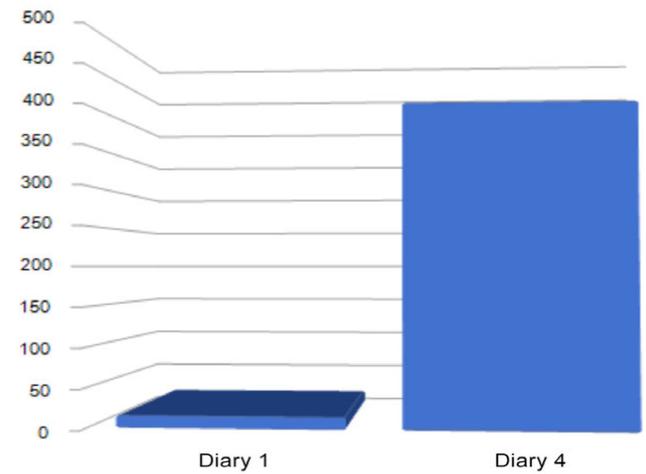
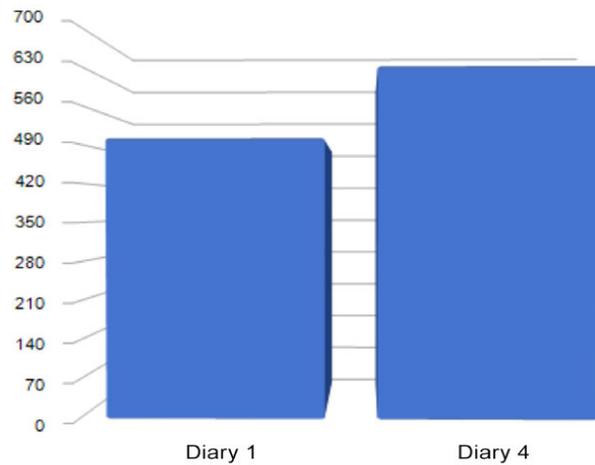
- technology used
- challenges encountered when using technology for teaching
- most important insights gained in terms of technology used
- experienced benefit of technology use (self -> student teacher)
- projected benefit of technology use (self -> student teacher)
- projected benefit of technology use (future school students)
- methodological use of tools
- technology chosen to enhance learning
- technology chosen to enhance teaching



# Findings

A Experienced benefit of technology use (student teacher)

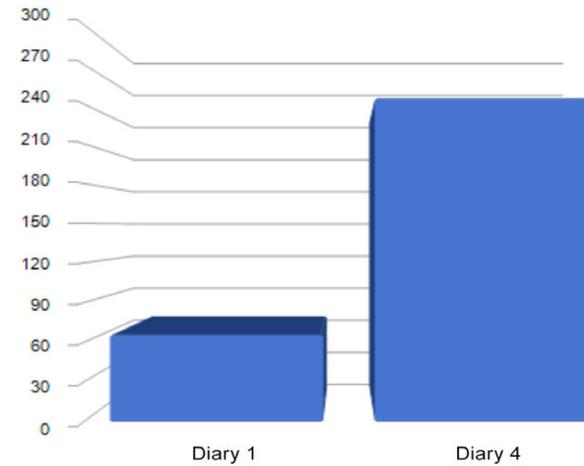
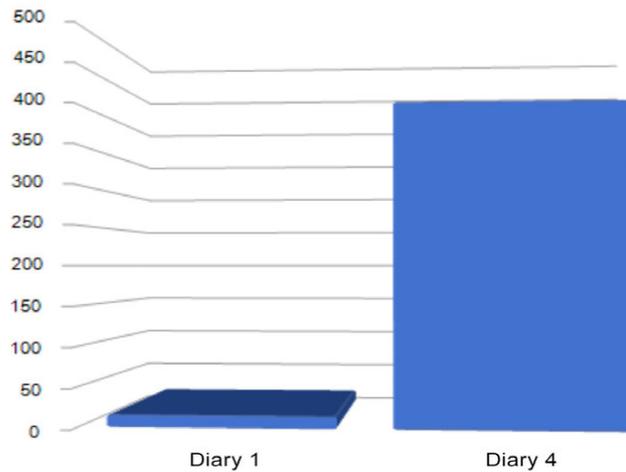
B Projected benefit of technology use (student teacher)



# Findings

A Projected benefit of technology use (student teacher)

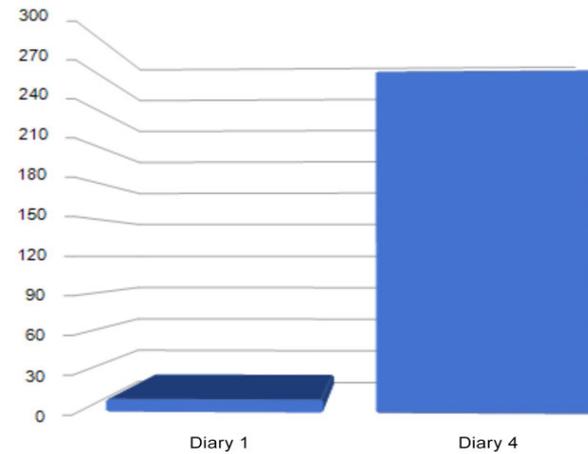
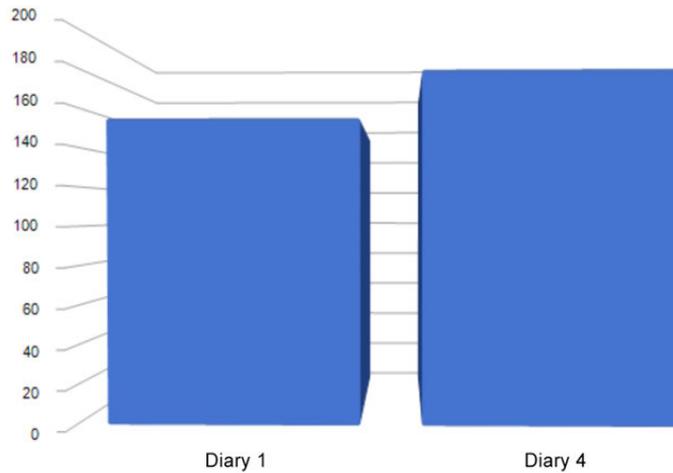
B Projected benefit of technology use (school students)



# Findings

A Methodological use of tools

B Challenges encountered when using technology for teaching



# Conclusions

- The tools and applications used by the student teachers while engaging with the tasks together with triggered reflections on their experiences, had a positive impact on their digital-pedagogical competence development.
- Virtual Exchange does provide the ideal set-up for task-based digital competence development in initial teacher education.

# Recommendations

- Raise awareness among future teachers that technology use in the classroom has benefits beyond new ways of presenting content to learners.
- Technology use provides new opportunities to engage with materials and other learners, locally as well as across time zones and geographical distance.
- Sufficient time is necessary to explore the affordances of individual tools and applications in the learning process.
- Built-in reflection on technology use in the (future) classroom is paramount.
- Challenges encountered and the strategies trialed to overcome these should be collected and made available in the shape of a repository (OER!) for future student teachers.

Thank you! Vielen Dank!



Professor Andreas  
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