

<u>iMooX</u>

It's time, to learn something new

Join now

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Teacher Training at Universitieswith "Inverse Blended MOOCs"

1st December 2020 2nd European Schoolnet Academy Thematic Seminar









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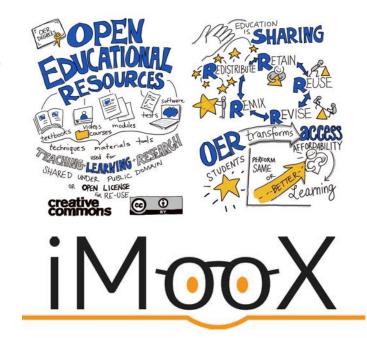






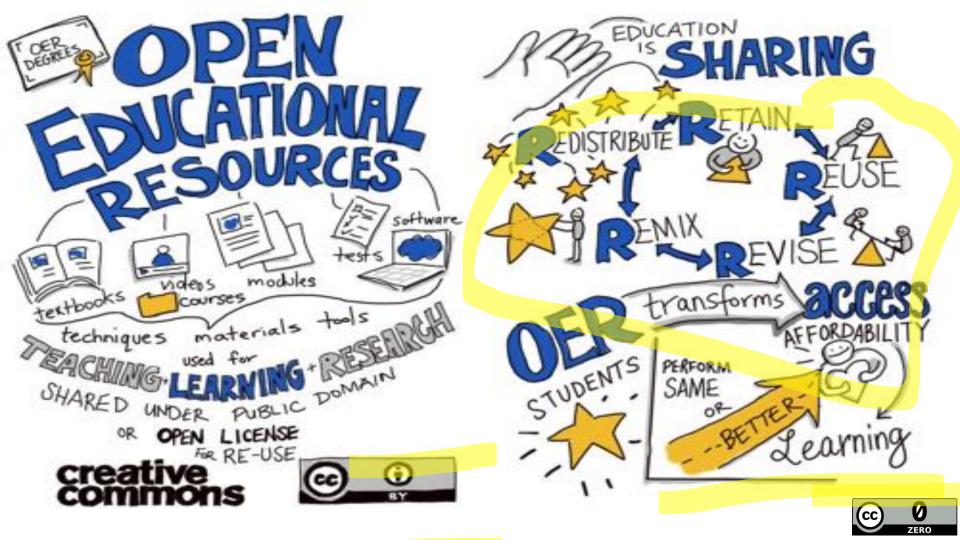
Initial situation I: Experience with MOOCs at iMooX.at

- The Austrian MOOC platform iMooX.at has been in existence since 2014
- 60.000 registered participants
- Over 100 courses (most in German, some in English, partly multilingual)
- All courses as Open Educational Resources (OER), i.e. available under open license





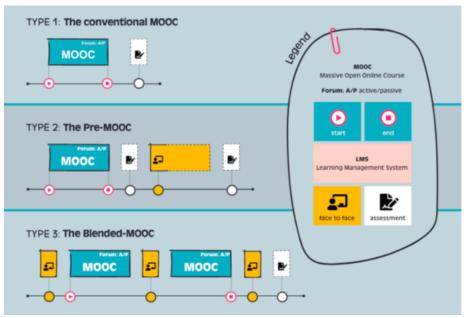


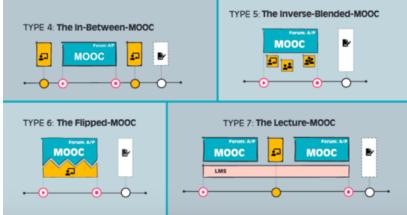




Initial situation II:

7 forms of using MOOCs in university teaching





See Ebner, M., Schön, S., & Braun, C. (2020).







Initial situation II:

7 forms of using MOOCs in university teaching



Available under: https://youtu.be/s8lhsBmCDol







Initial situation III: Inverse blended learning and new partnerships

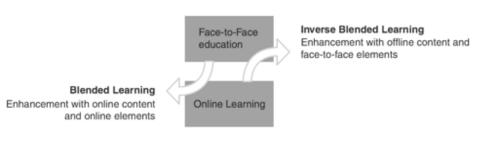
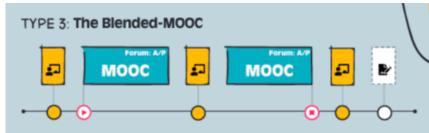


Figure 2.1 Inverse Blended Learning

Ebner & Schön, 2019



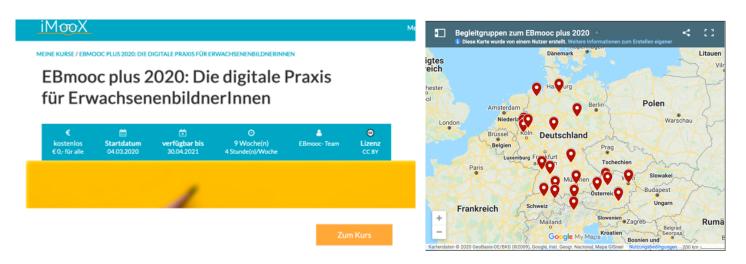
Ebner, M., Schön, S., & Braun, C. (2020C).







Initial situation III: Inverse blended learning and new partnerships



Example: The EBmooc: A MOOC for digital tools in adult education 2018-2020

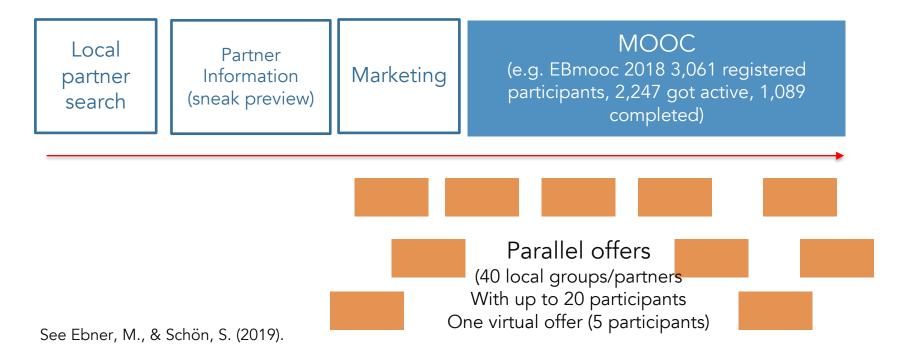
See: Ebner et al. 2017







Initial situation III: Inverse blended learning and new partnerships









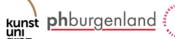
Development: Collaboration of 6 universities

- Six universities are responsible for teacher education within the "Austrian South-East Development Cooperation"
- A common development for a new module "Digital Competencies" in the scope of 6 EC within teacher training
- Distribution: 2 EC Bachelor / Basics, 2 EC Bachelor / Didactics, 2 EC Master / Advanced
- Development of content by the expert group
- Approval by the steering group in autumn 2017















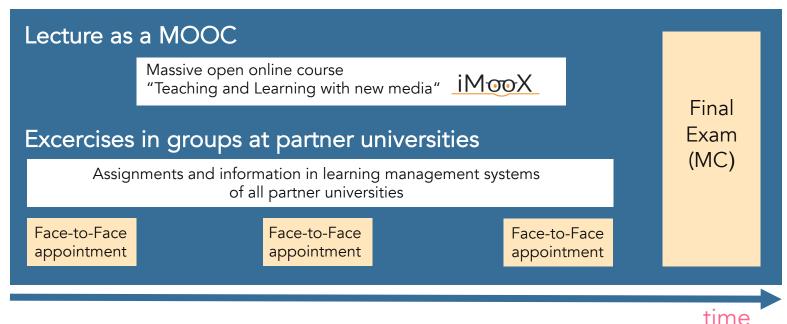








Lecture as a MOOC with exercise (2019) "Teaching and learning with new media"



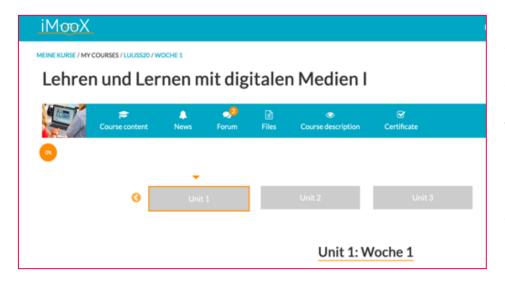
(Originally implemented in summer semester 2019 at six Austrian universities)







The MOOC



- Introduction
- Learning videos, learning theories introduction to Computational Thinking
- Computational Thinking, Use of technologies in teaching in theory and practice
- Copyright and Open Educational Resources, Communication Theory and Accessibility
- Learning management systems and their use; communication. collaboration and knowledge management
- Data protection, combination of licenses, youth in a digital, world, digi.comp (Digital competencies)

Screenshot of the MOOC "Learning with new media" and units (right)

Source: https://imoox.at/mooc/course/view.php?id=99§ion=1&lang=en (2020-05-15)







Participation and results of the MOOC and lecture

Table 1: Number of participants at the distinct parts of the MOOC "Learning with new media" in 2019 and lecture and exercise together. Source: Ebner et al. 2020a, Table 1, p. 73

1,482
4,767
731
605

Taken from: Ebner, Martin & Schön, Sandra (2020a).

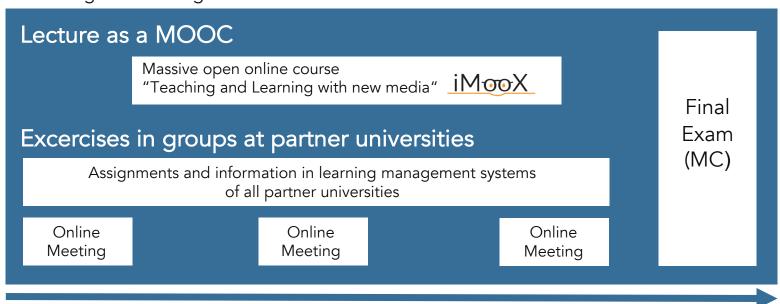






COVID19: The Lecture in 2020

Lecture with exercise "Teaching and learning with new media"



(Pure online variation implemented in summer semester 2020 at six Austrian universities)

time







References (1/2)

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https://www.learntechlib.org/p/216903/. Preprint at ResearchGate:

https://www.researchgate.net/publication/342261 714 Remote Future Teacher Training with MO OCs









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"Learning Analytics: Effects of data analysis on learning success", partner: Graz University of Technology and University of Graz, Funding body: Province of Styria 12. Zukunftsfonds Steiermark





"iMooX – the MOOC platform as a service for all Austrian universities" (2021-2023), co-funded by the Federal Ministry Republic of Austria Education Science and Research.











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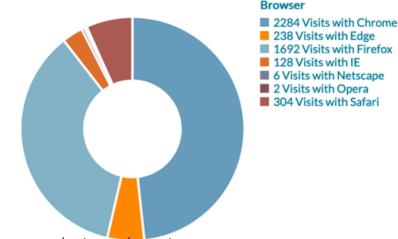
Learning Analytics

Device Stats 🕹 📝



○ OS ○ Language • Browser

A dashboard for MOOC teachers with several widgets give insights.



Research by

Project title: Learning Analytics: Effects of data analysis on learning success

Partner: Graz University of Technology and University of Graz

Funding body: Province of Styria

12. Zukunftsfonds Steiermark

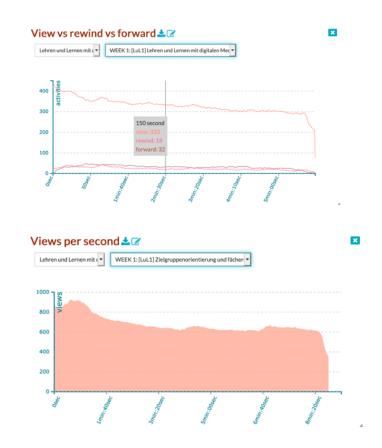






Learning Analytics

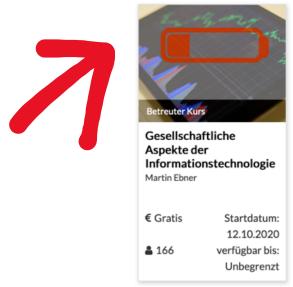








Learning Analytics application for learners in iMooX







GDLogost







