

# Technological Developments of Augmented Reality and their Use to Support Learning Location Cooperation in Work-Integrated Studies

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## Project Description

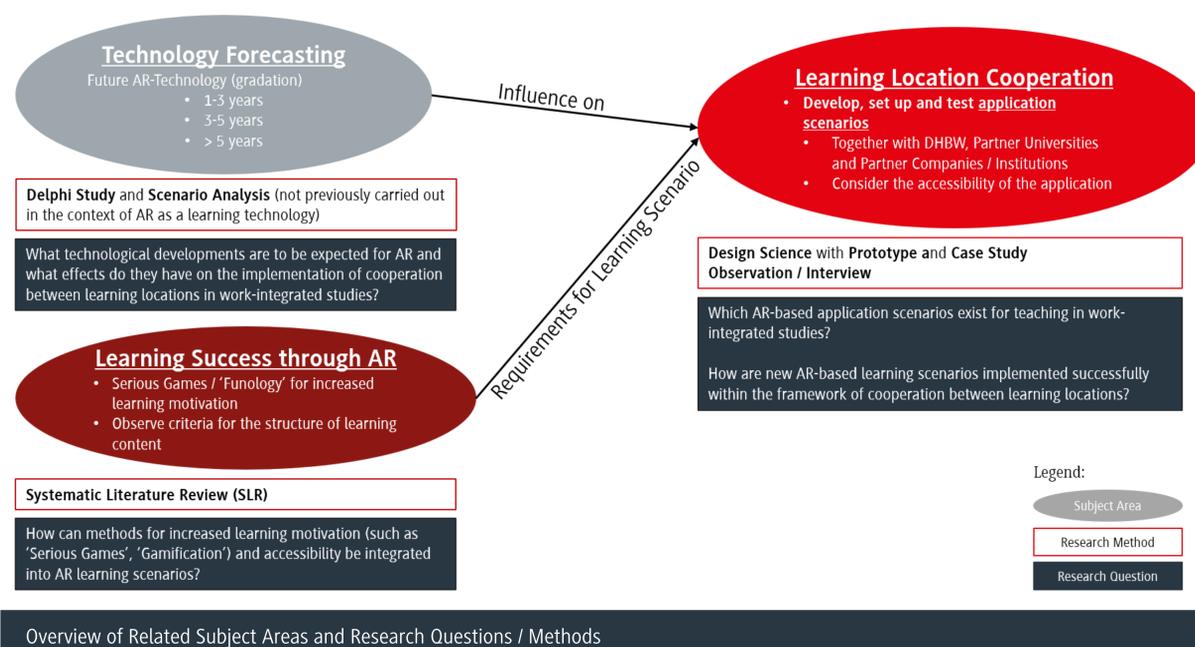
This research project is related to the 'Education Competence Network (EdCoN)' project and aims to integrate Augmented Reality (AR) as a learning technology in work-integrated studies. For this purpose, application scenarios in various courses are collected, implemented and evaluated, taking into account the technological development of AR. In particular, the implementation of the AR-based learning scenarios should take place between the DHBW locations, the partner colleges / universities and partner companies in order to strengthen the learning location cooperation.



Application Scenarios of Augmented Reality in Education

## Objectives

- » Identification of technological developments and application scenarios of Augmented Reality as a learning technology
- » Implementation of AR-based learning content in cooperation with DHBW locations, partner universities and partner companies
- » Evaluation of the learning success in AR-based learning scenarios compared to the course without the use of Augmented Reality
- » Support project results of EdCoN with well-founded scientific evidence



Overview of Related Subject Areas and Research Questions / Methods

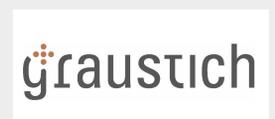
## Expected Results

- » This research will collect the technological developments of Augmented Reality and put them in the context of technology-supported learning in work-integrated studies.
- » AR-based learning content is created in cooperation with DHBW partners and used in DHBW courses.
- » The results from the creation of AR learning scenarios as its use in work-integrated studies will generate empirical evidence for AR in teaching and its learning success.

## Outlook

As a learning technology, AR has great potential for promoting cooperation between learning locations and strengthening distance-based learning, which is becoming increasingly important. We are therefore very interested in working on the implementation with our partner companies, partner universities and DHBW locations.

## Cooperation Partners



## References

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