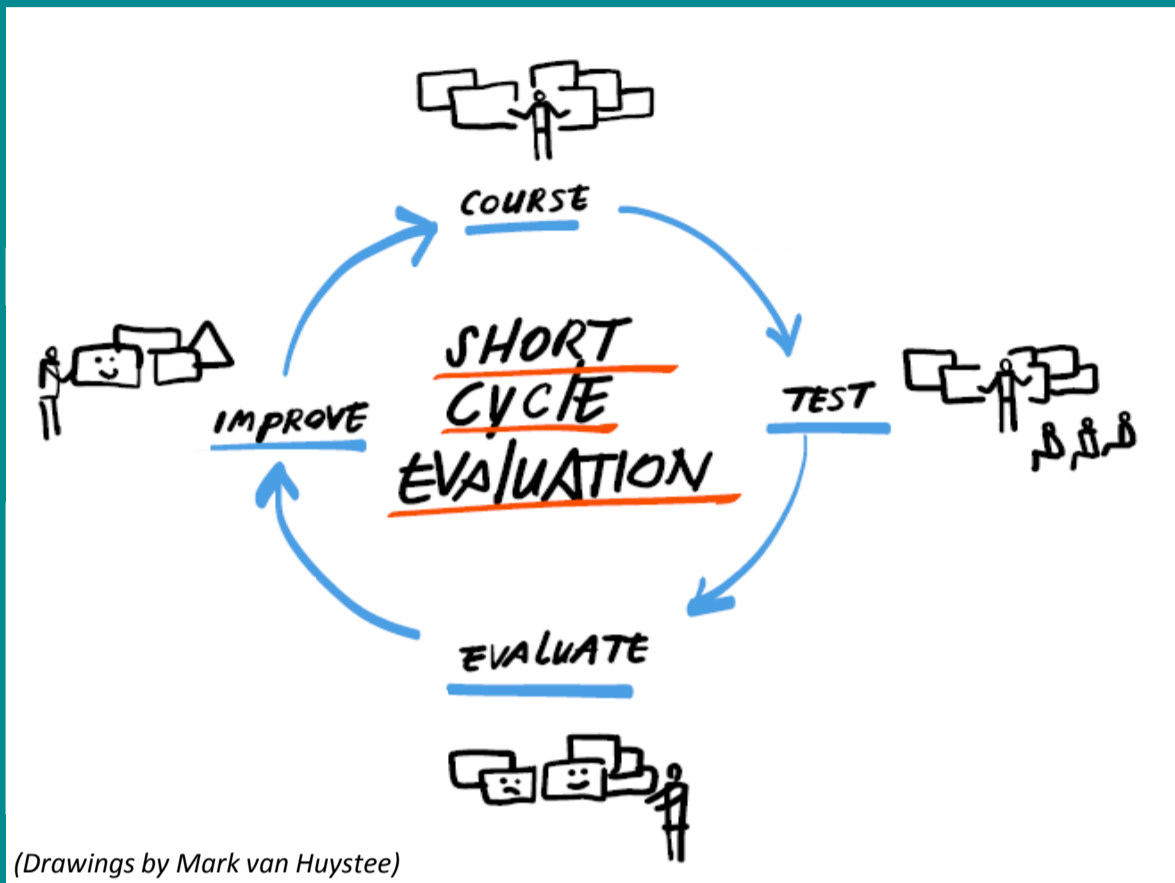


Short Cycle Evaluation

Improve blended education with continuous feed back loops



The development of MOOCs and Professional online education (ProfEd) enables possibilities of blended education and flipping the classroom. The availability of online study materials tripled the number of students in our water treatment courses. However, we don't know how **MOOC materials are used by students and whether this helps them to increase effective learning and to meet learning objectives**. This project studies the results of students who come to class for workshops and interaction with peers and the teacher, and gather the content only online (lectures, assignments etc.) in their own time. But also of students who don't come to class and solely learn by the provided online material.

Outcomes of this study will be used to improve the lecture materials and, if outcomes show it is needed, to attract more students to class. After improving and adding new interventions to the materials we will evaluate the effects again. E.g. a virtual excursion will be added to the lecture material, the effectivity in understanding course material after seeing this VR tour will be measured and evaluated.

Outcomes will be 1) shared with peers in trainings/workshops at TU Delft and 2) applied in courses with/about our online water treatment education courses that will be given online and abroad.

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