



Interactive Learning Program (ILP)- a concept for life long learning and Capacity Building of Stakeholders in Integrated Flood Management (IFM)

E. Pasche, N. Manojlovic, S. Basener, and N. Behzadnia

Institute of River&Coastal Engineering, Hamburg University of Technology (TUHH), Hamburg, Germany (pasche@tuhh.de)

In the paradigm shift in flood management from traditional to more integrated approach the key to initialising this transition stage is capacity building of stakeholders. It supports the effective participation of stakeholders within their role by giving the individuals/professionals and institutions required knowledge and skills.

Such a process of empowering targeted stakeholder groups should be based on the interactive learning rather than mere delivering of flood related information. It can be achieved by initiating the learning process and developing life-long learning programs in form of blended learning that combines both, supervised online and face-to-face approaches. The learning concept based on the didactic principle of Kolb/Fry, has been used as a basis for development of the Interactive Learning Program (ILP) presented in this paper. Kolb/Fry define learning as a cyclic process dividing it into four steps: concrete experience, reflection & observation, forming abstract concepts, testing of acquainted knowledge in new situations. As the knowledge to understand the complexity of IFM is extensive and required level usually cannot be achieved within the face-to-face phase, additional autodidactic learning module tailored to the individual skills should be included in the learning program. ILP combines both, the face-to-face sessions following the Kolb's learning cycle including theoretical and practical aspects and autodidactic phase by means of the e-learning platform based on the web dissemination strategy for IFM- Kalypso Inform (Pasche/Kraus/Manojlovic). According to this strategy, the access to the flood related information is enabled through three different modules Tutorial, Knowledge Base and Virtual Trainer enabling interaction with the system.

This ILP is generic and can be tailored to requirements of different stakeholder groups depending on their role and level of integration in IFM. The first results, obtained for both public and private stakeholders, are encouraging indicating that such concepts should become a substantial part of the IFM.