

Water Supply in Low- and Middle-Income Countries

PEAK Advanced Course, 7 October 2016



Water Supply in Low- and Middle-Income Countries

PEAK Advanced Course V42/16

Objectives The course gives participants knowledge and tools for monitoring and evaluating water supply projects in urban and rural settings. Course topics include quantitative survey data collection, options for water quality testing, strategies for sustainable monitoring and evaluation, and low-cost tools for data management and reporting. Water treatment technology options will not be a main focus of this course. *This course will be recorded and can be viewed time-delayed over the Internet at a reduced fee.*

For whom? The course targets professionals in the water sector, especially those working in water supply programming. Enrollees will include government professionals, consultants, researchers and NGO staff. A maximum of 24 participants will be accepted.

Course Subjects **Monitoring tools:** The PEAK course will give an overview of the different data collection tools, including smartphone-based surveys. Also microbial and chemical quality test kits available on the market will be presented. It will be followed by discussions of pros and cons, context-specific considerations and practical hands-on demonstrations in small groups.

Data flow: Course participants will learn about options for managing data collection, organisation, visualisation and reporting. An overview of free and low-cost software options will be provided.

Cost-effective implementation: Participants will become familiar with effective approaches for implementing a functional and adaptive monitoring and evaluation strategy at the programme level. Guest speakers will present case studies of successful monitoring schemes in challenging settings, with discussion of shared experiences and lessons learned.

Achieving sustainability: A summary of key considerations for ensuring reliable water quality surveillance over the long-term will be provided. Course participants will receive a manual for planning effective staff training, mitigating risks and identifying water safety interventions.

Lecturers Dr Richard Johnston, World Health Organization, Geneva
Dr Sara Marks, Eawag-Sandec, Dübendorf
Eng. Ariane Schertenleib, Eawag-Sandec, Dübendorf

Information Sara Marks, Eawag, Dübendorf
Phone +41 (0)58 765 56 31, sara.marks@eawag.ch

Course Documentation The participants will receive course documentation.

Course Language The course will be conducted in English.

Confirmation The participants will receive a course certificate.

Course Secretariat and Registration Eawag, PEAK, 8600 Dübendorf, Phone +41 (0)58 765 56 25
peak@eawag.ch or www.peak.eawag.ch
Registration deadline: 30 September 2016

Course Fee CHF 380.– fee includes taxes, course material, lunch, refreshments during the coffee/tea breaks, apéritif. Other meals and hotel accommodation are not included.

CHF 50.– fee for Internet download.

General Terms and Conditions Eawag's general terms and conditions apply:
www.eawag.ch/agb/index_EN

Date, Time Friday, 7 October 2016 from 9:00 am to 5:00 pm, followed by an apéritif

Location Eawag
Überlandstrasse 133
8600 Dübendorf

Eawag is a research institute within the ETH domain and one of the world's leading research institutions in the field of water and aquatic ecosystems. It focuses on concepts and technologies for the sustainable use of water resources, while striving to reconcile the ecological, economic and social aspects of the water bodies. Eawag also undertakes teaching and consultancy work, and thereby acts as an important link between research and practical application. About 500 staff are employed by Eawag in Dübendorf and Kastanienbaum.

www.eawag.ch

Eawag offers a continuing education programme to practising professionals, which goes by the name of PEAK (practice oriented Eawag courses). The courses are based on current research work and experiences. Several courses are run every year, which, alongside PEAK's purpose of knowledge transfer, serve as a forum for dialogue between the participants, and between research and practice.

www.peak.eawag.ch

Cover picture: Public drinking water tap in Morogoro region, Tanzania. (Sara Marks)

Eawag, Überlandstrasse 133, 8600 Dübendorf, Switzerland
www.eawag.ch/en/aboutus/locations/duebendorf/



Please stamp

Eawag
 Geschäftsstelle PEAK
 Überlandstrasse 133
 8600 Dübendorf
 Switzerland

Registration

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Friday, 7 October 2016

- Please send me the hotel list.
- I would like to view the course time-delayed over the Internet (no participation at Eawag).

Name _____

First Name _____

Organisation _____

Address _____

Phone _____

Email _____

Date _____

Signature _____

Billing address _____

Please mail this form to: Eawag, PEAK, Überlandstrasse 133, 8600 Dübendorf, Switzerland, peak@eawag.ch or register online www.peak.eawag.ch