EVENT REPORT FORM

Type of event	Training
Venue	Aristotle University of Thessaloniki, Department of Civil Engineering , University Campus, 54124, Thessaloniki
Date	30 October-01 November 2019
Organizer	Aristotle University of Thessaloniki, Department of Civil Engineering (AUTh)
Reporting date	02 November 2019
Report author(s)	Milan Gocic, Panayotis Prinos, Skoulikaris Charalampos

EVENT DESCRIPTION

with special reference to goals and outcomes

Number of participants at the event	19
Participants (organisations)	All SWARM WB partners
Event description:	

The fourth theme based training of teaching staff for acquiring new teaching and learning methods of the Erasmus+ CBHE project "Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders" (SWARM) was held at the Aristotle University of Thessaloniki, Department of Civil Engineering (AUTh) from 30th October to 01st November 2019. All WB project partners took part at this training.

Nineteen representatives from 8 partner institutions were present at the training (15 out of 19 were from WB partner HEIs – UNI, UNS, UNSA, UNMO, UPKM, TCASU and UoM).

First day

After the participants' registration, which started at 09:30, Konstantinos Katsifarakis, Dean of the Engineering School, welcomed everyone. Panayotis Prinos, contact person at the AUTh for the SWARM project, presented the agenda and welcomed participants.

Panayotis Prinos, head of the Civil Engineering Department presented the Department of Civil Engineering. He highlighted the 5-year Integrated Master Program consisted of 41 core courses, 13 elective courses and Diploma Thesis. The courses are classified as courses on basic sciences (Mathematics, Numerical Analysis, Materials, Mechanics), compulsory courses within the whole range of the civil engineering (Hydraulics, Soil Mechanics, Structures, Transportation), elective courses within the whole range of a specific field (River Engineering, Coastal Engineering, Environmental Impact Assessment, Water Quality, Water resources Engineering).

Elpida Kolokytha, Director of the Division of Hydraulic and Environmental Engineering, presented the Division of Hydraulic and Environmental Engineering and the global goals for sustainable development. She talked about the structure of the following core courses: Fluid Mechanics, Hydraulics, Groundwater Hydraulics and Hydrology, Water Supply and Sewerage Systems, Environmental Engineering, and Coastal and Harbour Engineering.

Nicolaos Theodossiou, Director of the Water Resources Engineering and Management Lab, presented Water Resources Engineering and Management.

Darakas Efthymios presented Laboratory of Environmental Engineering & Planning (LEEP). The laboratory contributes to the educational and research activities of our Department (environmental education issues) and supports the implementation of experimental graduate and postgraduate theses (doctoral and postdoctoral research).

Karambas Theofanis presented Laboratory of Maritime Engineering which covers educational and research activities in the scientific fields of: Maritime works and marine structures; Coastal mechanics; Physical oceanography and wave mechanics and Protection and management of the coastal environment. He presented the following courses: Coastal and Harbour Engineering, Coastal oceanography, Design and Construction of Ports, Coastal Protection Structures and Marine structures.

Panayotis Prinos presented the Laboratory of Hydraulics and Hydraulic Works. Educational and research subjects of laboratory are Fluid Mechanics, Experimental and Computational Fluid Mechanics, Turbulent flows, Theory and Models of turbulence, Unsteady flows, Hydraulics of closed conduits and open channels, Hydrometry and Hydraulic models, Environmental Hydraulics, Urban Hydraulics, Water supply and sewerage networks.

Pericles Latinopoulos presented a postgraduate course on research methodology for engineers and Scientists. The course consists of eight lectures: Basic concepts of scientific research, Research methodology and ethics, Literature review and management, Technical terminology, Quantitative research methods, Oral presentations, Posters and diagrams, Academic & scientific writing.

The first training day finished at 16:00.

Second day

The second day started at 10:00. Jacques Ganoulis presented hydro-governance in Greece – Past, Present and Future highlighted different models for hydro-management and governance.

Elpida Kolokytha presented transboundary water cooperation. She said that the potential water conflicts arise: Out of scarcity (permanent and temporary); Out of differences of goals and objectives; Out of complex social and historical factors (such as pre-existing antagonisms); Out of misunderstandings or ignorance; Out of skewed power between localities, regions, or nations; Out of significant data gaps or question of validity and reliability; and Out of particular hydropolitical issues at stake (e.g. dam construction).

Anthimos Spyridis presented development of strategic flood management plans of urban and rural areas in Greece and master plan for flood protection at streams in the regional unit of Kozani.

Nicolaos Theodosiou presented postgraduate studies program on environmental protection. The Department of Civil Engineering of the Aristotle University of Thessaloniki (A.U.Th.) offers a postgraduate programme entitled "Environmental Protection and Sustainable Development". This specific programme, which lasts a full academic year, has as its major task the rapid specialization of civil or other engineers as well as of graduates of related disciplines in the technology of environmental protection as well as in socio-economic and institutional matters concerning directly the environmental planning and the impact of projects and actions on the sustainable development.

Skoulikaris Charalampos presented INWEB's contribution to the SDGs implementation process highlighted that UNESCO is actively contributing to the implementation of the 2030 Agenda for Sustainable Development drawing on its humanist mandate, and mobilizing all of its partners and stakeholders.

The second day finished at 16:15.

Third day

The third day started at 09:30 by visiting the water treatment plan close to Thessaloniki (https://www.eyath.gr). An important link for the water supply of Thessaloniki from the Aliakmonas River is the Thessaloniki Water Treatment Plant (TWTP) of EYATH S.A., located 2 km from the industrial area of Thessaloniki in Sindos. The TWTP began its operation in August 2003 and has a processing capacity of 150,000 m3 per day at the current phase (1st phase). A study is currently being carried out to expand treatment by an additional 150,000 m3/day. When fully deployed, the TWTP will be able to treat 600,000 m^3/day.

It is a modern industrial unit using an automated production process with a large number of on-line instruments, which continuously record operating parameters and water characteristics at the various stages (such as flow meters, pH meters, conductivity meters, turbidimeters, chlorine residue counters). The readings of these instruments are sent to the TWTP Control Centre, which features a supervisory control and data acquisition (SCADA) system. The automatic operation of the TWTP's units is achieved by using twenty two programmable logic controllers (PLCs).

After the field visit meeting with the WB representatives was organised to analysed development of master courses under the work package 2.

The third day finished at 16:00 with the general discussion and closing remarks.

Attachments

Agenda (pdf)	SWARM training - Agenda
Attendance list (pdf)	SWARM training - Attendance lists
Photos (jpg)	Photos on website and project platform
Presentations (pdf)	01 Faculty of Engineering AUth + Thessaloniki 02 The Department of Civil Engineering - Prinos 03 Division of Hydraulics & Environmental Engineering – Kolokytha 04 Water Resources Engineering and Management - Theodossiou 05 Laboratory of Environmental Engineering & Planning - Darakas 06 Laboratory of Maritime Engineering and Maritime Works - Karambas 07 Hydraulics Lab – Prinos 08 A Postgraduate Course on Research Methodology for Engineers and Scientists 09 Hydro-Governance in Greece – Past, Present and Future – Ganoulis 10 Transboundary water cooperation – Kolokytha 11 Development of strategic flood management plans of urban and rural areas in Greece 12 Postgraduate Studies Program on Environmental Protection – Theodossiou 13 UNESCO Chair INWEB - Charalampos
Other personal remarks	

Organisation details

Date of event material release	30 October 2019
Date of participants list's finalisation	30 October 2019
Date of agenda finalisation	30 October 2019
Number of participants (according to the attendance list)	19
Comments	

Problems encountered during the event preparation phase

Please add your comments, if any:

Strengths and limitations of the event (please include comments received)

Strengths of the event and contributions or activities by participants	
Suggestions for the improvement	
Any further comments	Training was excellent organised with the participation of all WB representatives.

Evaluation details

Results of evaluation of the general organisation of the event

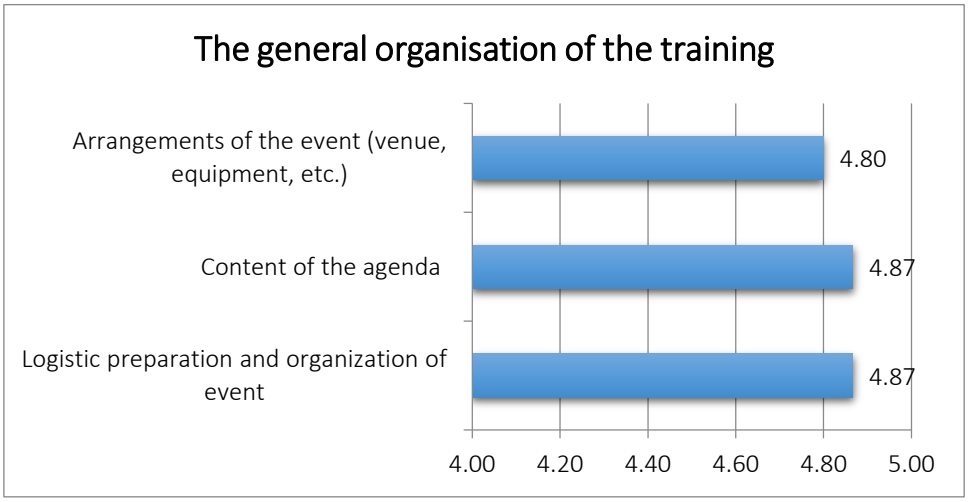
Description

The general organization of the training was evaluated with very high marks. The event was organized totally in line with the previous defined agenda.

Table/Figure

The general organisation of the workshop

Grading	Very poor	Poor	Good	Very Good	Excellent
Logistic preparation and organization of event	0	0	0	13.3	86.7
Content of the agenda	0	0	0	13.3	86.7
Arrangements of the event (venue, equipment, etc.)	0	0	6.7	6.7	86.6



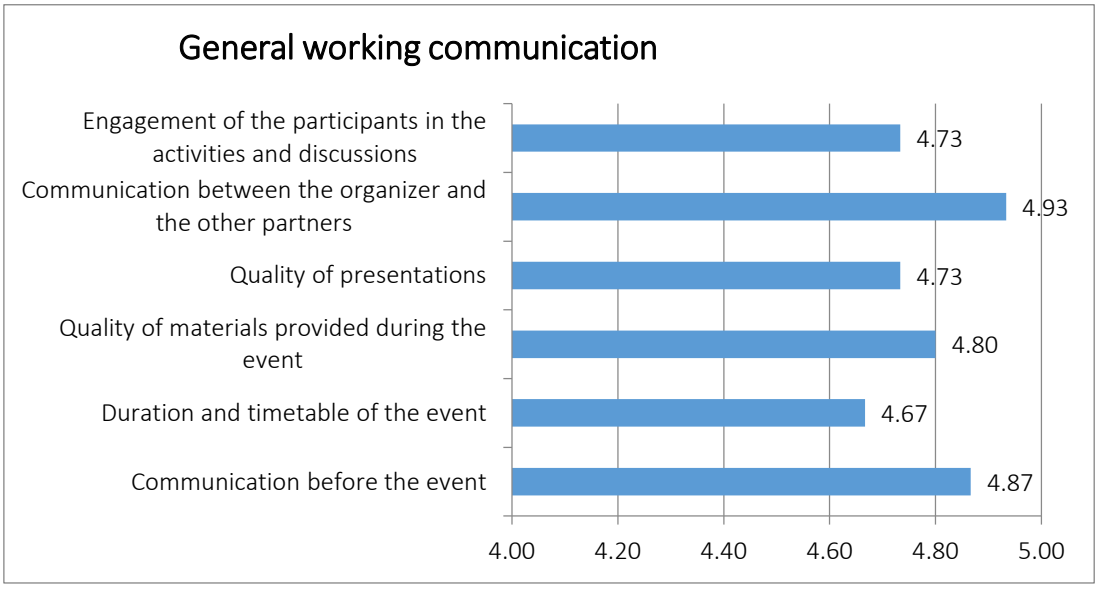
Results of evaluation of general working communication

Description
The general working communication was evaluated with high marks. The host members were up to the task.

Table/Figure

General working communication

Grading	Very poor	Poor	Good	Very Good	Excellent
Communication before the event	0	0	0	13.3	86.7
Duration and timetable of the event	0	0	6.7	20.0	73.3
Quality of materials provided during the event	0	0	6.7	6.7	86.6
Quality of presentations	0	0	0	26.7	73.3
Communication between the organizer and the other partners	0	0	0	6.7	93.3
Engagement of the participants in the activities and discussions	0	0	6.7	13.3	80.0



Results of evaluation of overall success of the event

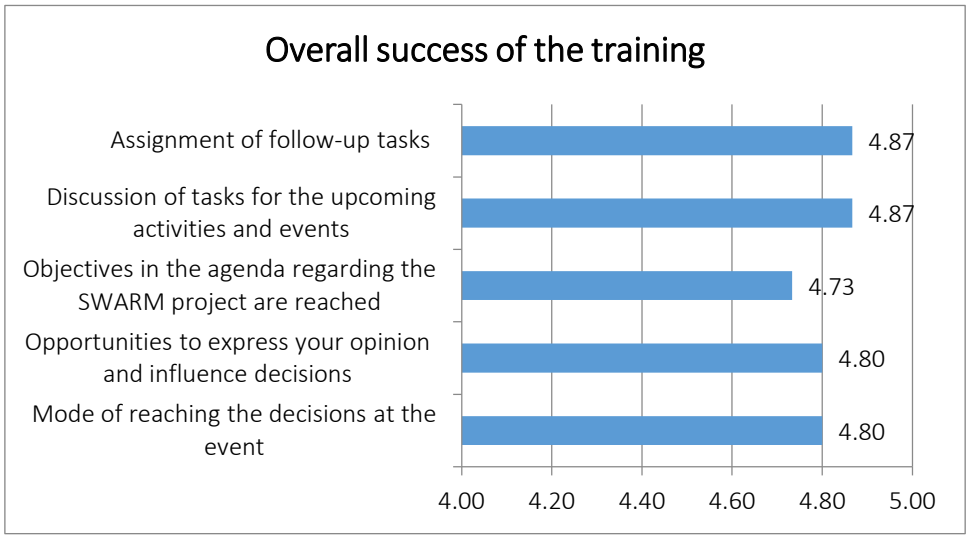
Description

The overall success of the training was evaluated with high marks. All WB partners had an opportunity to express their opinion through discussion. The training was excellent organized, same as field trip.

Table/Figure

Overall success of the event

Grading	Poor	Very poor	Good	Very Good	Excellent
Mode of reaching the decisions at the event	0	0	0	20.0	80.0
Opportunities to express your opinion and influence decisions	0	0	0	20.0	80.0
Objectives in the agenda regarding the SWARM project are reached	0	0	6.7	13.3	80.0
Discussion of tasks for the upcoming activities and events	0	0	6.7	0	93.3
Assignment of follow-up tasks	0	0	0	13.3	86.7



Please indicate your suggestions for further event's improvement:

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