

International workshop: Non-grid solutions for the future of urban water management?

Date	Wednesday 14/3/2018 to Saturday 17/3/2018
Location	Congressi Stefano Franscini, meeting platform of ETHZ Monte Verità, Via Collina 84, 6612 Ascona
Organizers	Eawag, ETH Zurich
Sponsors	Eawag, ETH Zurich, Congressi Stefano Franscini, Swiss National Science Foundation

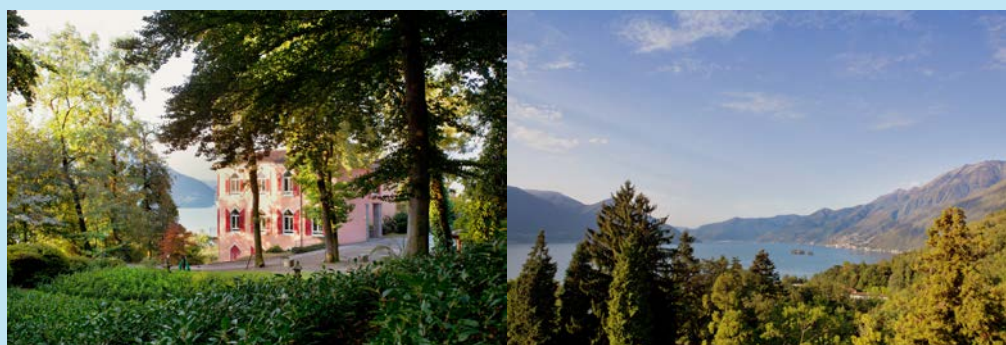
Abstract The need for developing fundamentally new approaches to urban water management has recently been identified by leading research groups at these institutes: U Monash, U Technology, Australia; U Innsbruck, Austria; U Technology, Denmark; U Paris, INSA Toulouse, France, Bauhaus U, Fraunhofer ISI, Germany; U Utrecht, U Rotterdam, Netherlands; SLU, Sweden; Eawag, ETH Zurich, Switzerland; U Berkeley, U Harvard, U Michigan, USA. This insight, however, is far from being mainstreamed yet.

The **main objective** of the international workshop is to assemble a group of **thirty outstanding experts** from different disciplines and fields that are currently leading the international debate with a view to discuss the future of urban water management. The discussion will allow for

- (i) exchanging on recent research activities,
- (ii) identifying current research gaps, and
- (iii) outlining promising future research activities.

The workshop will enable an intensive exchange among participants; it will advance their understanding on new approaches to urban water management, barriers and opportunities for innovation, and transition management towards more flexible, cost-effective, and resource-efficient systems. Ultimately, the workshop will allow for developing a **shared vision** among all participants that will guide **future urban water research**. This vision will be pointed out in a joint peer-reviewed position paper to be submitted to a targeted journal.

The workshop will be held at the Monte Verità conference centre "Congressi Stefano Franscini" (ETH Zurich) - one of the most beautiful venues in Switzerland located on the hills overlooking Ascona and Lake Maggiore (www.monteverita.org).



Photos by Fondazione Monte Verità

Int. Workshop: “Non-grid solutions for the future of urban water management?” - Program

	WEDNESDAY (14.03.18)	THURSDAY (15.03.18)	FRIDAY (16.03.18)	SATURDAY (17.03.18, 9:00)
8:30 – 10:00		Introduction, mapping of research gaps and topics (15' Sabine Hoffmann, Ulrike Feldmann) Gaps, current and future research (Moderation: David Sedlak) 1. Resource reuse and recovery (15' Keynote: Eberhard Morgenroth, 5' Q&A) 2. Integration of non-grid/ grid systems (15' Keynote: Jörg Londong, 5' Q&A) 3. Digitalization and automation/ data management (15' Keynote: Wolfgang Rauch, 5' Q&A)	Introduction, mapping of future research activities topics (15' Sabine Hoffmann, Ulrike Feldmann) Promising future research activities and expectations from practice perspective (Moderation: Max Maurer) (4 x 10' Keynotes: Martin Gambrill, Kala Vairavamoorthy, Jean-Pierre Tabuchi, Ed Clerico) Panel (30')	Introduction (15' Sabine Hoffmann, Ulrike Feldmann) Discussion of joint workshop outputs (75') (Moderation: Bernhard Truffer, Kala Vairavamoorthy) (e.g. joint position paper research/ practice, regular exchange among peer group, future collaborations)
10:00 – 10:30		Break	Break	Break
10:30 – 12:00		Introduction to group work (5' David Sedlak) Group work (70') 3 break out groups, one for each thematic area led by keynote speakers Wrap up group work (30') (Moderation: David Sedlak)	Introduction to peer-to-peer learning (5' Lisa Scholten, Peter Bach) Peer-to-peer learning (55') Knowledge exchange in small groups of three people, open space Wrap-up peer-to-peer learning (30') (Moderation: Lisa Scholten, Peter Bach)	Observations and reflections (David Sedlak, Christoph Lüthi) and final discussion (50') Goodbye (10')
12:00 – 13:30	Buffet lunch - Registration (60') Welcome CSF and Introduction (30') incl. organisational aspects	Lunch	Lunch	Lunch (optional)
13:30 – 15:00	Framing of the workshop: Objectives, Products, Structure and Timeline – Presentation of participants and overview of interview results (45' Sabine Hoffmann, Ulrike Feldmann) Discussion (15') Different meanings of non-grid (20' Keynote: Max Maurer) Discussion (10')	Gaps, current and future research (Moderation: Damian Dominguez) 4. Uncertainty and complexity in planning processes and collaboration across disciplines and sectors (15' Keynote: Cynthia Mitchell, 5' Q&A) 5. Performance of multi-functional systems (15' Keynote: Ana Deletic, 5' Q&A) 6. Practical implications of sector transitions (15' Keynote: Harald Hiessl, 5' Q&A)	Introduction (5' Sabine Hoffmann, Ulrike Feldmann) Paper writing (70') 10 break-out groups to collaboratively refine the main arguments of the draft paper with respect to the meaning of non-grid (1), challenges (3) and topics (6) (each group led by respective keynote speaker) Wrap up (15') (Moderation: Sabine Hoffmann, Ulrike Feldmann)	
15:00 – 15:30	Break	Break	Break	
15:30 – 17:00	Challenges to non-grid water and sanitation solutions (Moderation: Judit Lienert) 1. Technical Perspective (20' Keynote: Tove Larsen, 10' Comment: Kara Nelson; 15' interactive mapping) 2. Institutional Perspective (20' Keynote: Claude Menard, 10' Comment: Megan Farrelly; 15' interactive mapping)	Introduction to group work (5' Damian Dominguez) Group work (70') 3 break out groups, one for each thematic area led by keynote speakers Wrap up group work (30') (Moderation: Damian Dominguez)	Excursion/ Conference Dinner	
17:00 – 17:30	Break	Break		
17:30 – 18:30	Challenges to non-grid water and sanitation solutions (Moderation: Christian Binz) 3. Transition perspective (20' Keynote: Bernhard Truffer, 10' Comment: Niki Frantzeskaki; 15' interactive mapping) Discussion on challenges (15')	Discussion and mapping of research gaps, current and future research activities (60') (Moderation: Jennifer Inauen, Kai Udert)		
19:00 – 20:00	Dinner / informal discussions	Dinner / informal discussions		