


USING DATA FOR ACTION AND FOR IMPACT

Digitalisation and Data Management in the Water Sector

AGENDA

DATES	From Monday October 9 to Friday October 13 , 2023.
OBJECTIVE	To identify challenges, opportunities and solutions related to digitalisation and data management in the water sector.
EXPECTED OUTCOMES	<ul style="list-style-type: none">• Professional networking: participants building relationships with other professionals both in the water sector, digitalisation realm and in other related fields, and learning whom to approach.• Learning from experiences: collecting and displaying successes and failures, wisdom and skills, concepts, and tools, etc. so that the participants can (better) apply them in their daily business.• Broadening the evidence base: locating, capturing, refining, validating, and transforming know-ledge for its use, typically related to new developments and how these can be taken up.• Developing ideas, strategies actionable solutions and recommendations of practical use: generic, context related, case specific, problem-oriented, etc.
LOCATION	The venue of the workshop is the <u>Martigny Boutique-Hôtel</u> (Valais). Address: Rue des Vorziers 7, CH-1920 Martigny. Find map and details here .
LIVESTREAM	Some of the sessions during the workshop will be livestreamed and accessible via  www.zoom.us/join Meeting ID 881 3290 8636, psw 579855.

For the most up to date version of the agenda, please visit <https://aguasan.ch/workshops/2023>

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AGENDA


Day 1
Monday / 9 October

09:00 - 09:45	Welcome & scene setting	
Topic A: Digitalisation in rural and small town water services		
09:45 - 10:15	<i>Discovery I</i> Cases of digitalisation in water services	
10:15 - 10:45	Break	
10:45 - 11:30	<i>Discovery II</i> Cases of digitalisation in water services	
11:30 - 12:30	<i>Exchange</i> - Key aspects of water services cases	
12:30 - 14:00	Lunch	
14:00 - 15:30	<i>Future orientation</i> - Cases of digitalisation in water services	
15:30 - 16:00	Break	
16:00 - 17:00	Hot Topic #1: Water data governance & management	
17:00 - 17:15	Wrap up	



Day 2
Tuesday / 10 October

09:00 - 09:30	Topic A: Conclusions & Recommendations	
09:30 - 10:00	Break	
10:00 - 11:00	Hot Topic #2: Innovations linking actual needs and digital solutions	
Topic B: Citizen science and digitalisation for water quality		
11:00 - 12:00	<i>Discovery</i> Cases of citizen science in action	
12:00 - 13:30	Lunch	
13:30 - 15:30	<i>Exchange</i> - Citizen science riverside experience	
15:30 - 16:00	Break	
16:00 - 16:30	<i>Future orientation</i> Collective reflections	
16:30 - 16:45	Wrap up	


Day 3
Wednesday / 11 October

07:45 - 08:00	Gather for field visit	
08:15 - 09:15	Travel to field visit location	
09:15 - 13:00	Field visit with BlueArk Exposure to water management in Wallis with a focus on hydroelectricity incl. introduction to digital tools	
13:00 - 14:00	Lunch - Outside venue	
14:30 - 15:30	Return to hotel	
15:45 - 16:15	Field visit debrief	
16:15 - 16:45	Topic B: Conclusions & recommendations	
16:45 - 17:00	Wrap up	

Day 4
Thursday / 12 October




Topic C: Digital tools for water and climate resilience		
09:00 - 10:00	<i>Discovery</i> Cases and tools for water and climate resilience	
10:00 - 10:30	Break	
10:30 - 12:00	<i>Exchange</i> - Key aspects of cases and tools	
12:00 - 13:30	Lunch	
13:30 - 15:00	<i>Future orientation</i> Broader implications for water and climate resilience	
15:00 - 15:30	Break	
15:30 - 16:30	Hot Topic #3: Artificial intelligence in water	
16:30 - 16:45	Wrap up	

Day 5
Friday / 13 October



09:00 - 09:30	Topic C: Conclusions & recommendations	
09:30 - 10:00	Open space market	
10:00 - 10:30	Break	
10:30 - 11:15	Open space round 1	
11:15 - 12:00	Open space round 2	
12:00 - 12:30	Workshop evaluation	
12:30 - 12:45	Workshop closing	
12:45 - 13:30	Lunch	
13:30 - 15:00	Field visit 2.0 (optional, tbc)	




Day 1, Monday 9 October | Topic A: Digitalisation in rural & small-town water services

	Welcome and scene setting 	Simon Zbinden , Head of Section Water, Swiss Agency for Development and Cooperation (SDC) Daniel Maselli , Senior Policy Advisor & Focal Point, Section Water, Swiss Agency for Development and Cooperation (SDC)
Morning (from 09.00)	Discovery – Topic A:  Cases of digitalisation in water services	Styvers Kathuni , Director, Millennium Water Alliance Isaac Okello , WASH Engineer, International Lifeline Fund Shoury Reddy , Executive Director, Bala Vikasa
	Exchange – Topic A: Key aspects of water services cases	Group work on main insights, challenges, and open questions in relation to each case.
12.30 – 14.00	Lunch	
Afternoon (to 17.15)	Future orientation – Topic A: Broader implications for water services Hot topic 1: Water data governance and management 	Group work focusing on how learning from the cases can contribute to other initiatives, as well as how participants' own experiences can add value. Emeline Béréziat , Water Expert Lead, Akvo Dominique Berod , Head of Earth System Monitoring Division, World Meteorological Organization



Day 2, Tuesday 10 October | Topic B: Citizen Science and digitalisation for water quality

	Conclusions & Recommendations - Topic A 	Summary of key insights from the water services discussions on Day 1
Morning (from 09.00)	Hot topic 2: Innovative, practical, and profitable digital solutions in water management 	Laurent Horvath , Water Innovation Vice-Director, BlueArk Entremont
	Discovery – Topic B: Cases of citizen science in action	Simlindile Mahlaba , Stakeholder Engagement Officer, GroundTruth Catarina Cacciatore , JRC ISPRA (online) Sara Blanco Ramirez , PhD Student, CrowdWater
12.00 – 13.30	Lunch	
Afternoon (to 16.45)	Exchange – Topic B: Citizen science riverside experience Future orientation – Topic B: Collective reflections	From the theory to the practice, follow the experts on water quality monitoring Group work focusing on how learning from the cases can contribute to other initiatives, as well as how participants' own experiences can add value.


Day 3, Wednesday 11 October | Field visit on digital innovations in alpine water management

Morning (from 08.00)	Field visit with BlueArk Entremeont	Laurent Horvath , Water Innovation Vice-Director, BlueArk Entremont: Exposure to water management in the Val de Bagne (VS) with a focus on hydroelectricity incl. introduction to digital tools such as AQUASPY (real-time monitoring of drinking water quality), RAIN ALERT (debris/mud flows predication) and ODILE (automated meadow irrigation)
13.00 – 14.00	Lunch – Outside venue	
Afternoon (to 17.00)	Return to venue and field visit debrief Conclusions & Recommendations - Topic B 	Summary of key insights from the citizen science discussions on Day 2

Day 4, Thursday 12 October | Topic C: Digital tools for water and climate resilience

Morning (from 09.00)	Discovery – Topic C: Case studies and digital tools for water and climate resilience 	Tobias Siegfried , CEO, hydrosolutions GmbH Emeline Béréziat , Water Expert Lead, Akvo Omar Bellprat , DRR and Climate Change Specialist, Bellprat Climate Consulting
	Exchange – Topic C: Key aspects of case studies and tools	Group work on main insights, challenges, and open questions in relation to each case.
12.00 – 13.30	Lunch	
Afternoon (to 16.45)	Future orientation – Topic B: Broader implications for water and climate resilience Hot topic 3: Artificial Intelligence in Water 	Group work focusing on how learning from the cases can contribute to other initiatives, as well as how participants' own experiences can add value. Andrea-Emilio Rizzoli , Director, Istituto Dalle Molle di Studi sull'Intelligenza Artificiale (IDISA) Joël Dumoulin , Technical Transfer Officer, Idiap Research Institute

Day 5, Friday 13 October | Main focus: Main learnings, key takeaways, and eye-openers for future action

Morning (from 09.00)	Conclusions & Recommendations - Topic C  Reflection on main learnings and key takeaways for future action – Open space market	Summary of key insights from the water and climate resilience discussions on Day 4 Collective consolidation of most relevant insights from each topic, and consideration of how they can be integrated in future planning and implementation.
12.45 – 13.30	Lunch	
Afternoon (to 15.00)	Workshop Evaluation and Closing Field visit 2.0: SmartCity Pully / Digitalisation in Lausanne Water Utility (to be confirmed)	Assessment of the week's design, content, and field visit. Official closing of the workshop. Jean-Marie Buchilly , Head of Innovation & Customer Relations, Lausanne Water Utility: Digitalisation in utilities - digital twinning, asset management and sponge city Alexander Bosshard , Deputy Head of Department, Directorate of Works and Industrial Services, City of Pully: SmartCity, management of cross-sector digitalisation projects and water