



## BASEMENT Users Meeting 2025

Date: January 30, 2025  
Location: OST Campus Rapperswil-Jona (Oberseestrasse 10, 8640 Rapperswil, Switzerland)  
and online via Zoom  
Organizers: Laboratory of Hydraulics, Hydrology and Glaciology (VAW), ETH Zurich  
Institute for Construction and Environment, Eastern Switzerland  
University of Applied Sciences (OST)

### Welcome and Introduction

09:00	-	09:15	Registration	
09:15	-	09:20	Welcome address	Robert Boes, Davood Farshi
09:20	-	09:45	Current and future developments	David Vetsch
09:45	-	10:00	Submit your feedback and ideas for BASEMENT	David Vetsch
10:00	-	10:45	Coffee break	

### Session 1 - Surface Runoff

10:45	-	11:15	Validation of BASEMENT for surface runoff simulations	Seline Frei
11:15	-	11:45	Gebietsentwicklung Flugplatz Dübendorf — Kombinierte Hochwasser- und Oberflächenabflussmodellierung	Michel Kuhlmann
11:45	-	12:15	Erkenntnisse aus der Modellierung der Oberflächenabflussgefährdung: Pilotprojekt Knonau	Dany Suter, Davood Farshi, Lea Fuchs
12:15	-	13:45	Lunch break	

### Session 2 - Dam Break Flood Wave Propagation

13:45	-	14:15	Hydrogram calculation, propagation and damping of dam break waves along the Rienza and the Isarco rivers from two dams in South Tyrol - comparison between different behaviours	Nicola Groff, Silvia Simoni
14:15	-	14:45	Simulation of river morphodynamics induced by the 1996 Lake Ha! Ha! breakout flood	Andrea Graziano
14:45	-	15:30	Coffee break	

### Session 3 - Morphodynamics

15:30	-	16:00	Lateral transport correction in morphodynamic simulations: why playing with that? (and why you should not)	Davide Vanzo
16:00	-	16:15	Recent improvements to 1-D suspended sediment transport modelling	Sudesh Dahal

### Session 4 - Feedback and Ideas for BASEMENT

16:15	-	16:45	Presentation and discussion of feedback and ideas for BASEMENT	Matthias Bürgler
16:45	-	16:55	Summary	David Vetsch