

BASEMENT Users Meeting

Januar 28, 2021, online via Zoom

Organizers: Laboratory of Hydraulics, Hydrology and Glaciology (VAW), ETH Zurich
Institut für Bau und Umwelt, Eastern Switzerland University of Applied Sciences

Welcome and Introduction

09:15	-	09:25	Welcome address	David Vetsch, Davood Farshi
09:25	-	09:45	Current and future developments	David Vetsch
09:45	-	10:00	Coffee break	

Session 1 - River morphodynamics

10:00	-	10:30	Morphodynamic 2D model for mitigation of hydrogeological risk	Marika Righetto
10:30	-	11:00	Reconstruction of the historical evolution and present day functioning of a highly impacted river and assessment of sediment injections as a restoration measure: a case study of the Peage de Roussillon Reach along the Rhone River (France) using the 1D Basement model	Alyssa Serlet
11:00	-	11:00	River Bed Deformation Caused by Different Floods	Kamal Prasad Pandey
11:00	-	11:30	Long term analysis for the evaluation of hydropower plant impacts on solid transport	Elena Tessari
11:30	-	12:00	Questions and discussion	everyone
12:00	-	13:15	Lunch break	

Session 2 - Flood risk management and river restoration

13:15	-	13:45	2D-Simulationen des Hochwasserrückhaltebecken «3 Brücken»	Steffen Corbe
13:45	-	14:15	Investigation of landslide tsunami using BASEMENT software	Jiang Yujie, Li Jian
14:15	-	14:45	Numerische Modellierung Alpenrhein Hochwasserschutzprojekt Rhesi	Seline Frei, Gabriel Zehnder
14:45	-	15:00	Coffee break	
15:00	-	15:30	Revitalisation of the Limmat - Instream structures and 2D simulation of the flow-structure interaction	Aurélie Koch
15:30	-	16:00	River widening and confluence hybrid modeling within the frame of the Third Rhone correction in Martigny	Samuel Vorlet

Session 3 - News from the BASEMENT team

16:00	-	16:30	Revision of sediment transport feature in BASEMENT version 3.1	Matthias Bürgler, Cristina Rachelly
16:30	-	17:00	BASEmesh 2.0	Stephan Kammerer, Leonhard Seidelmann
17:00	-	17:10	Summary	David Vetsch, Davood Farshi