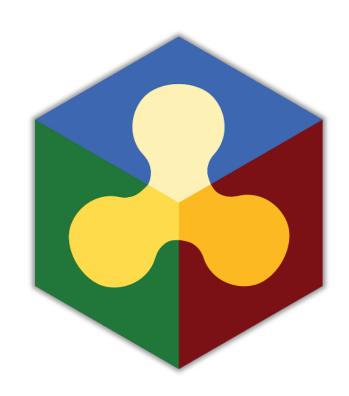
#### **ETH** zürich



February 3, 2022, online via Zoom

2nd International Users Meeting





### Welcome to:

## 7th Swiss Users Meeting & 2st International Users Meeting

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of

**BASEMENT Software** 



## **Meeting Program**

- Contributions:
  - from country: Madagaskar, Italy, Switzerland
  - from users: 8
  - from development team: 2
  - from gender: 2 female, 8 male
- Sessions:
  - River restoration and hydropower
  - Flood risk assessment and management
  - News from the BASEMENT team





## **Meeting Program - Morning**

#### Welcome and Introduction

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

#### Session 1 - River restoration and hydropower

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10:00	-	10:30	Flow study on the Ambatolaona river (Madagascar) for tidal power generation	Nirilalaina Randriatefison
10:30	-	11:00	Einsatz von Basement bei der Grundwassermodellierung im Rahmen von Flussrevitalisierungsprojekten	Michael Ballmer
11:00	-	11:30	Suspended load modelling in revitalization projects: case study on Alpine Rhine river (Switzerland)	Benjamin Hohermuth, Andris Wyss, David Vetsch
11:30	-	11:45	Survey, questions and discussion	everyone
11:45	-	13:00	Lunch break	





## **Meeting Program - Afternoon**

#### Session 2 - Flood risk assessment and management

13:00	-	13:30	· · · · · · · · · · · · · · · · · · ·	Markus Mosimann				
			Switzerland					
13:30	-	14:00	Event-based model calibration, design of hydraulic hazard mitigation	Nicola Groff,				
			measures using 2D simulations with bedload transport and validation with	Silvia Simoni				
			physical model: case study on Sesto River (Italy)					
14:00	-	14:30	Primary and secondary risks of landslide outburst floods	Yunjian Gao				
14:30	_	14:45	Coffee break					
14:45	-	15:30	Gefahren- und Risikoanalyse entlang der Aare (Schweiz) unter einem sich	Mattia Brughelli,				
			verändernden Klima	Matthias Pfäffli				
15:30	-	16:00	Pumping effect on water depth of a low gradient ditch during extreme	Francesca Minute,				
			rainfall events: case study on Porzen ditch, Etsch river (Italy)	Silvia Simoni				
Session 3 - News from the BASEMENT team								
16:00	-	16:30	BASEchange - new channel generator	Leonhard Seidelmann				
16:30	_	17:00	Dam breach modelling	Matthew Halso				
10.50		27.00	balli brodon modolinio					
17:00	-	17:10	Summary	David Vetsch,				
				Davood Farshi				





## **Meeting Rules**

- Language: English (however, voluntary translators are welcome)
- Contributors:
  - share your presentation (using full screen if possible)
  - try to keep time limit (max. 20 min presentation)
- Audience:
  - mute your microphone, except you want to say something
  - during presentations: post questions in chat
  - participate in discussion



# Many thanks to: all contributors BASEMENT team and OST team Swiss Federal Office for Environment (FOEN)



Thank you for participating - enjoy the meeting!

