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Einladung zum Kolloquium

Prof. Dr. Stefano Pagliara
Università di Pisa

"Hydraulic behaviour of rock ramp and low head structures for river restoration"

Hydraulics of river restoration is a complex and important topic. In order to obtain useful equations for the design of many eco-friendly projects, in the last decades, many experimental studies have been carried out. All these test aim to understand the hydrodynamic and the scour process of different low head hydraulic structures.

The object of this lecture is to highlight the behaviour of structures like Rock ramp, Cross vane, W-weir and Wood log in order to achieve different advantage inside a restoration project.

Both qualitative and quantitative analysis is carried out regarding the main geometric characteristics and the morphological issues. A particular attention has been used for the design of the stilling basin, especially for the rock ramp type structure. Almost all the tests were carried out in clear water conditions.

A number of equations are proposed and few scour classification diagrams are obtained. The outcomes of these works intend to stimulate further research on these structures.

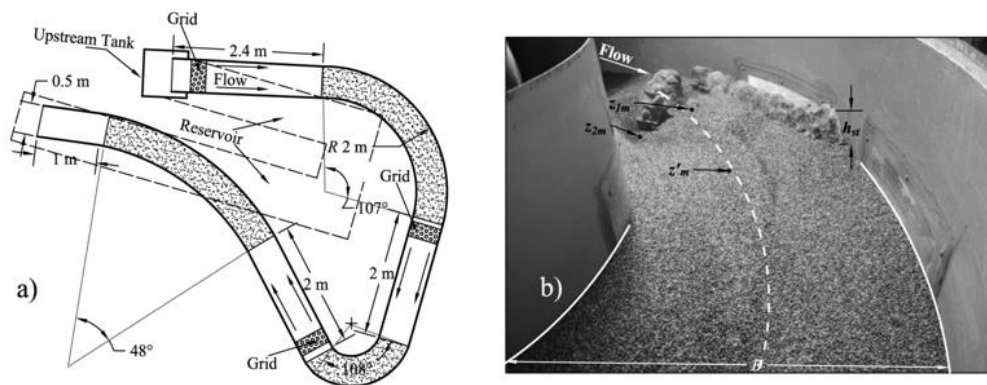


Fig. 1: Example of a low head low-environmental impact structure.

Zeit: **Dienstag, 29. September 2020**, Vortragsbeginn: **17:00 Uhr**

Ort: Vorlesungsraum **HCI G7**, Vladimir-Prelog-Weg, 8093 Zürich

Anmeldung: via [Doodle](#) (Telefonnummer und Email-Adresse erforderlich)

Prof. Dr. Robert Boes

Interessierte Gäste sind herzlich willkommen.

Situationsplan ETH Standort Hönggerberg

