



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

**Institute of Environmental Engineering**

Prof. Dr. Paolo Burlando  
Professor and Chair of Hydrology and Water Resources  
Management

# SEMINAR

**Monday, December 17, 17:00 h, ETH Hönggerberg HIL E 10.1**

**Margit Schwikowski**  
Laboratory of Environmental Chemistry  
Paul Scherrer Institut

## **Into thin ice: Unlocking the secrets of past environmental changes from glacier ice cores**

Abstract:

Alpine ice cores from high-elevation glaciers located in the mid- and low-latitudes contain records of past climate and environmental changes on millennial to decadal time scales. Such information may be seen as more relevant to the history of human development than that retrieved from Polar Regions. This is illustrated by the fact that the vast majority of the Earth's population lives in the mid- and low-latitudes. In this talk the collection of ice cores from mountain glaciers, the development of their chronology, and the obtained records of climate and air pollution will be discussed.

For more information contact: Peter Molnar ([molnar@ifu.baug.ethz.ch](mailto:molnar@ifu.baug.ethz.ch))