

## **Biography Patrick Wagnon**

Patrick Wagnon, 48, is a glaciologist at the Grenoble Institute of Environmental Geosciences (IRD, Grenoble Alpes University, CNRS, INP-G). He belongs to a research team working on mountain glaciers. After an early career dedicated to the study of Andean glaciers, he specialized in 2002 on the follow-up of the Himalayan glaciers, first in India and then in Nepal. Together with his colleagues, he set up a network of observations on several glaciers in the Himalayas to measure their annual and seasonal variations in volume, and link these variations to local meteorology. Thanks to remote sensing, these field measurements are extrapolated spatially to the whole Himalayan range. The goal is to understand how these glaciers are threatened by climate change, and what are the consequences for the associated water resources. Patrick Wagnon is also a mountain guide and has participated in numerous expeditions to the high mountains of Asia. He lived 4 years in Kathmandu (Nepal), hosted in an international institute working on the consequences of climate change in the mountains.