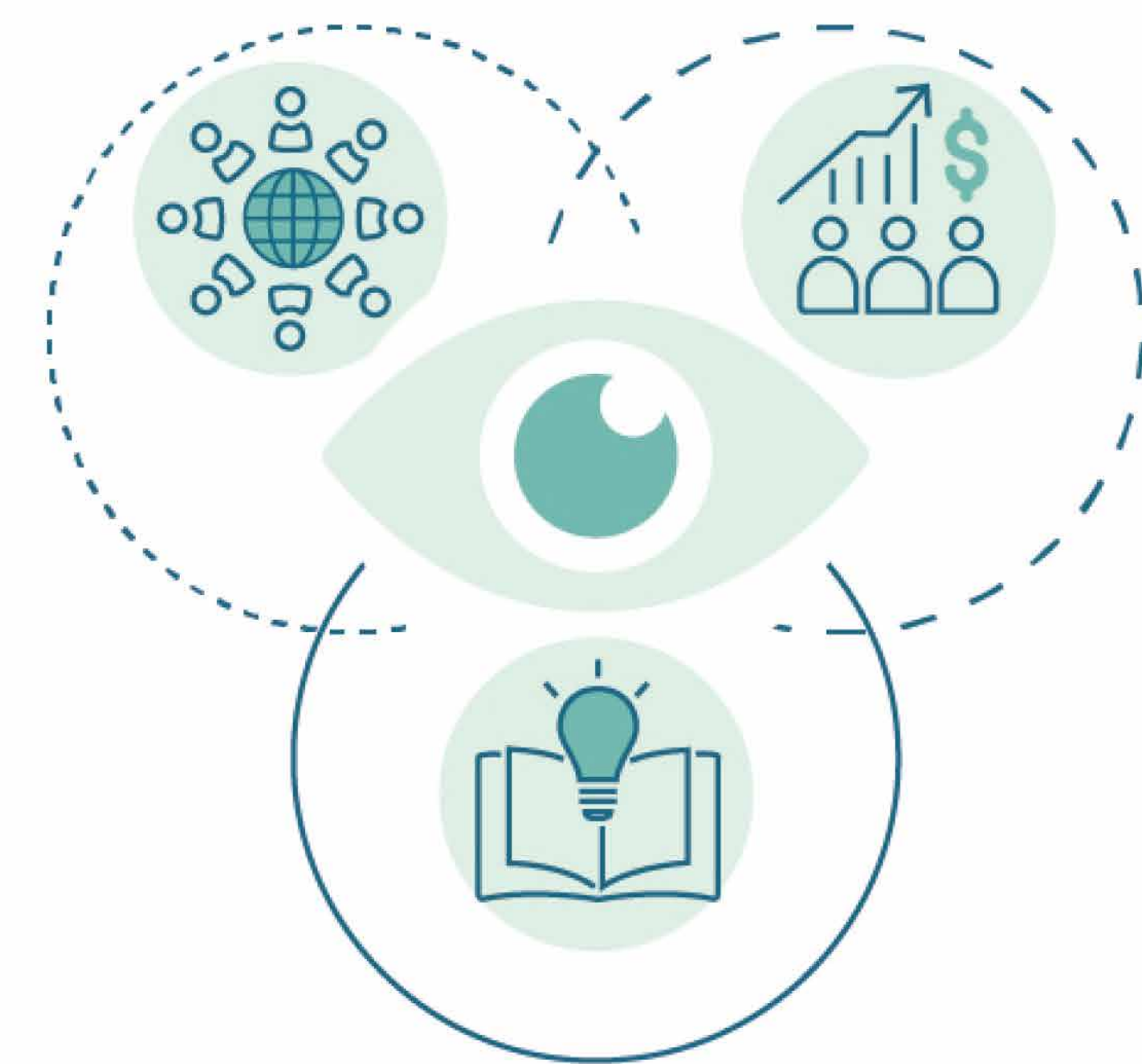
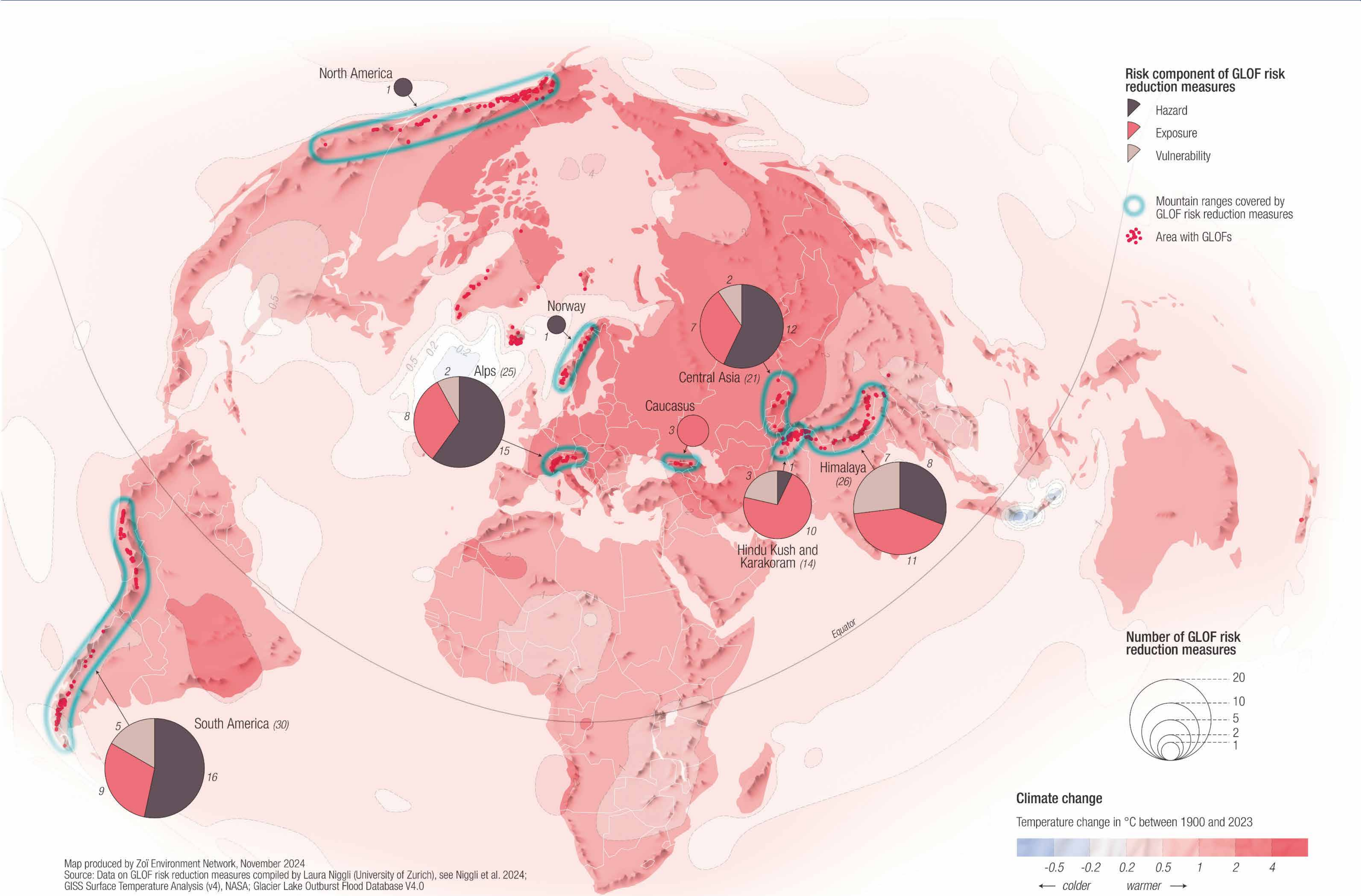


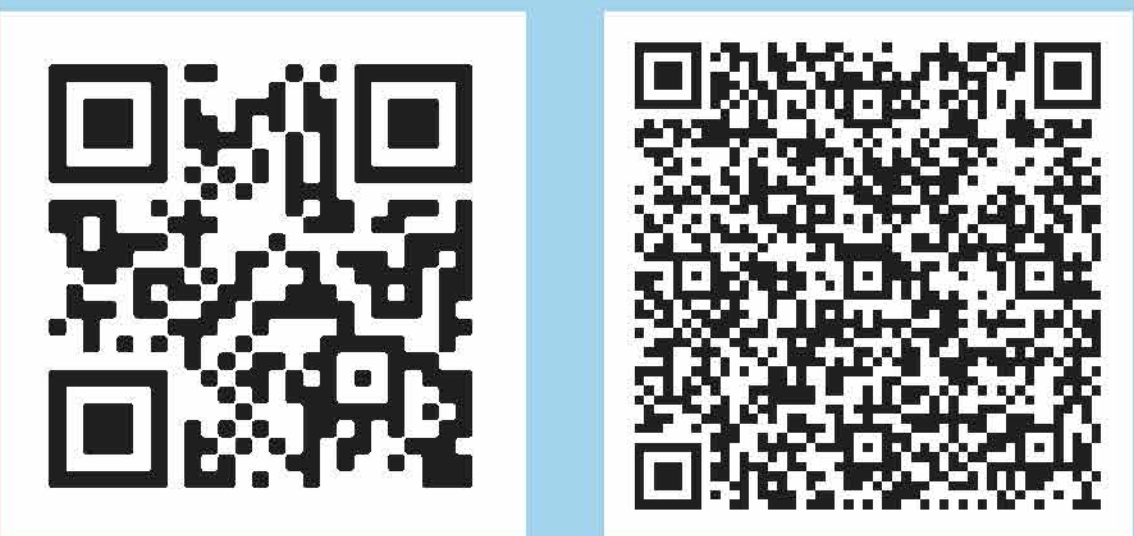
ADAPTATION AT ALTITUDE

Glacier-related disaster risk reduction: Enhancing resilience from mountains to valleys



Glacial Lake Outburst Floods (GLOFs) are sudden, dangerous floods caused by the failure of natural dams holding glacial lakes. Triggered by avalanches, melting, or earthquakes, they threaten lives, infrastructure, and ecosystems—especially as climate change accelerates glacier melt. With 15 million people at risk globally, GLOFs are a growing hazard. Risk reduction requires lowering lake levels, early warning systems, and integrated, multi-hazard approaches. Success depends on strong coordination, local engagement, and support for residual risks through insurance or financial tools.

Learn more about effective GLOF risk management:



Adaptation at Altitude, a collaborative programme launched and co-supported by the Swiss Agency for Development and Cooperation, is dedicated to increasing the resilience of mountain communities and ecosystems to climate change. It aims to improve the availability and use of data and knowledge, strengthen science-policy platforms and dialogues, and build capacity and resource mobilisation for the evidence-informed formulation and implementation of effective climate change adaptation policies and institutional measures at the national, regional, and global levels.

Explore adaptation solutions on the Adaptation at Altitude Solutions Portal:

