



Workshop 2/5:

Soil system services in mountain environments

Moderators: **Christine Alewell** (CH-Basel), **Eva Spehn** (CH-Basel)

Concept:

Changes in climate and in land use practices affect alpine biodiversity and the stability of alpine soils. The integrity of alpine ecosystems is crucial to sustain important ecosystem services such as drinking water production, flood prevention and slope stability. Thus, the stability of alpine soils has a high ecological and economic value for today's society.

The workshop will explore the likely effects of global change on soil stability in the Alps and its consequences for the lowlands.

Inputs:

- Erich Tasser (I - Bozen): Effects of land use changes on vegetation rooting and soil stability.
- Erika Hiltbrunner (CH- Basel): Global change impacts on alpine soils.

The synthesis should answer questions to the structure of the future stakeholders in the mountains with their needs and interests in the constructed environment and possible strategies to steer this transformation process.