[JJ] Evening Poster | M (Multidisciplinary and Interdisciplinary) | M-GI General Geosciences, Information Geosciences & Simulations

[M-GI25]Environmental changes in mountainous area

convener:Keisuke Suzuki(Department of Environmental Sciences, Faculty of Science, Shinshu University), Yoshihiko Kariya(Department of Environmental Geography, Senshu University), Chiyuki Narama(新潟大学理学部理学科, 共同), Akihiko SASAKI(Department of Geography and Environmental Studies, Kokushikan University)

Tue. May 22, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

Mountainous areas provide water resources to the populated downstream areas, protecting the diversity of ecosystem and providing tourism attraction. To access the mountain environment changes and mitigate the impacts of global warming influences, a cross-cutting session is proposed to share the scientific knowledge among various fields; such as climatology, hydrology, geography, glaciology, water/carbon/material cycle, eco-diversity, etc.

[MGI25-P19]Climatic variations in the Japanese Alps

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Mountainous areas are quite sensitive to global-scale environmental changes, such as warming. Therefore, the effects of global warming on these meteorological elements is a critical issue. We have developed a network of 14 meteorological observatories in the Japanese Alps, which have already started recording observations. The highest observation site is Mt. Yari, at 3125 m. Observation data from these sites are sent to a computer at the laboratory via a data communication mobile telephone network or phone line throughout the year. These meteorological observation data are available on the laboratory website in quasi-real time. The interannual variability of the annual mean temperature and the snow depth in the Japanese Alps region are discussed.