Principal Expeditions and Publications Poli-High Group

1) Principal expeditions and campaigns

We have carried out a number of scientific field campaigns, in Europe, South America, Karakoram, Himalaya, among others, as follows.

3) Summer 2009-2015. In situ runoff investigation of Dosdè the glacier (Arnoga, Valtellina, Italy), and installation of a depth gage for continuous monitoring of discharge since summer 2009.
4) Idro-Stelvio (July 2010 - now). Deployment of eleven hydrometric gauges in Stelvio Park of Italy, maintenance, and hydrological data assessment.
5) July 2011-now. Monitoring high altitude flow discharges from Indren glacier, Gressoney (AO).
7) July 2012-2013. Field investigation of Dordi glacier with the aim of monitoring the glacier response to mountain climate change, South Shishkat, Lower Shishkat, Pakistan, with specific focus on POLI HIGH mission.

2) Publications list

Full list of Publication (Daniele Bocchiola) reported, including a number of publications in the field of cryospheric sciences, as follows, with specific focus on POLI HIGH mission.

i) Books, chapters, reports


5) Bocchiola, D., Rosso, R., *Real time flood forecasting at dams: a case study in Italy*, Int. Jnr. on Hydropower and Dams, 13 (1), 92-99, 2006, SCOPUS.


8) Bocchiola, D., Medagliani, M., Rosso, R., *Regional snow depth frequency curves for avalanche hazard mapping in central Italian Alps*, Cold Regions Science and Technology, 46, 3, 204-221, 2006. Five years IF 1.95, ISI, SCOPUS.


14) Bocchiola, D., Rosso, R., *The use of regional approach for hazard mapping at an avalanche site in northern Italy*, Advances in Geosciences, 14, 1-9, 2007, SCOPUS.


24) Bocchiola, D., Groppelli, B., *Spatial estimation of Snow Water Equivalent at different dates within the Adamello Park of Italy*, Cold Regions Science and Technology, 63(3), 97-109, 2010. Five years IF 1.95, ISI, SCOPUS.


31) Bocchiola, D., Modified river hydraulics and habitat suitability in presence of woody debris: a flume experiment, Advances in Water Resources, 34, 1304-1319, 2011. IF 2013: 2.41, ISI, SCOPUS
37) http://www.sciencedirect.com/science/article/pii/S0309170814000840. 5 year IF: 3.53. ISI, SCOPUS
38) Bocchiola, D., Rosso, R., Addimando, N., Nana, E., Soncini, A., RGA/JAR, An ablation model for debris covered ice: the case study of Venerocolo Glacier (Italian Alps), ISI, SCOPUS
40) Bocchiola, D., Rosso, R., Evaluation of high altitude glacierized catchments in Northwestern Italian Alps: the case of Lombardy glaciers, ISI, SCOPUS
55) http://gfda.glaciologia.it/038_2_05_2015. ISI, SCOPUS
56) http://gfda.glaciologia.it/038_2_06_2015. ISI, SCOPUS
ii) Papers on Italian journals with review.


15. Rosso, R., Bocchiola, D., Groppelli, B., Affidabilità degli scenari pluviometrici e criteri di downsampling per le applicazioni idrogeologiche dei modelli climatici di circolazione globale, [Accuracy of rainfall scenarios and downsampling criteria for hydrological applications of Global Circulation Models], Resume, Nimbus, 59-60, 7-9, 2011.


