

Name of research institute or organization:

**Surface Meteorological Networks, MeteoSwiss, Payerne**

Title of project:

Operation of a meteorological station at high altitude in the Alps

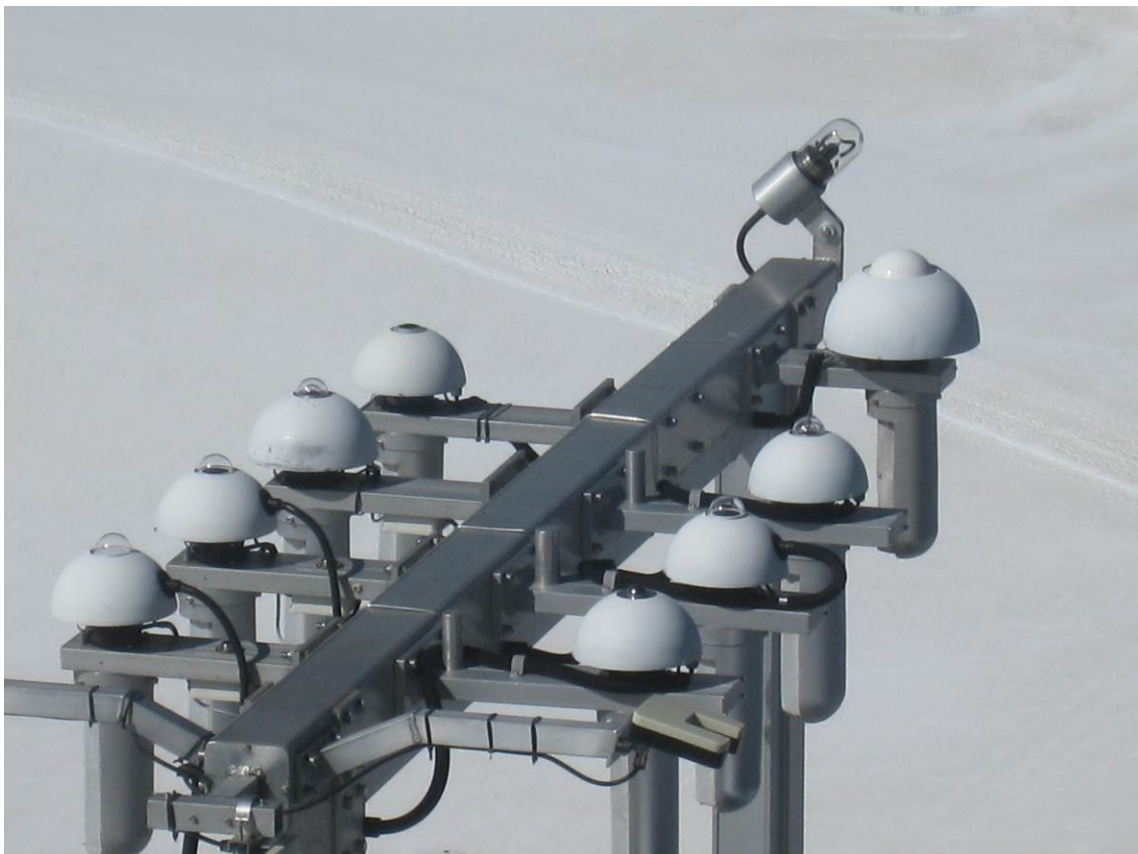
Project leader and team:

Dr. Christian Félix, head of surface networks, MeteoSwiss  
Gilles Durieux, Bertrand Equey and the surface networks team

Project description:

MeteoSwiss operates an automatic meteorological station at the Jungfraujoch Observatory and services the instrumentation for the Global Atmosphere Watch Radiation Measurements Project.

No major interventions were necessary in 2011, which demonstrates the very high reliability of this equipment despite demanding meteorological conditions. Maintenance activities, one of which is the exchange of radiation instruments for calibration purposes (see Fig.1), constituted the principal work of our team this year.



**Figure 1.** The solar radiation bridge at Jungfraujoch. We plan to rewire it entirely probably in summer-fall 2013.

The support from the custodians for various tasks (cleaning radiation instruments, resetting the acquisition electronics, resetting the electric power etc.) is gratefully acknowledged.

Key words:

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wind, temperature, sunshine duration, solar radiation, pressure, relative humidity

Internet data bases:

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[http://www.meteoswiss.admin.ch/web/en/climate/climate\\_international/gaw-ch/radiation.html](http://www.meteoswiss.admin.ch/web/en/climate/climate_international/gaw-ch/radiation.html)

Address:

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