Collaborations and networks

Institutions collaborating with research projects at Jungfraujoch and Gornergrat in 2012:

Institution / network	Country	Collaborating with project:
Ecotech Pty Ltd	Australia	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
McCracken, K.G. Australia	Australia	Cosmogenic radionuclides in precipitation Eawag Überlandstr. 133 CH-8600 Dübendorf
Belgian Institute for Space Aeronomy Atmospheric physics and chemistry Dr. Katrijn Clemer, Dr. Michel Van Roozendael Ringlaan 3 B-1180 Brussels Belgium	Belgium	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
IASB (Institut d'Aéronomie Spatiale de Belgique)	Belgium	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Institut d'Astrophysique et de Géophysique Allée du six Août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Université Libre de Bruxelles for IASI FORLI data validation	Belgium	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Université de Liège Institut d'Astrophysique et de Géophysique and NDACC Partners Allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)	Belgium	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium

Institution / network	Country	Collaborating with project:
University Hospital Copenhagen	Denmark	Cardiovascular adjustments to prolonged altitude exposure University of Zurich Institute of Physiology Winterthurerstrasse 190 CH-8057 Zürich
Collaboration with European FTIR and UV-Vis teams and modelling teams in the frame of the EU project NORS	European network	The Polythermal Structure of Gornergletscher (Valais) Swiss Federal Office of Technology, ETH Zürich Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW) Gloriastrasse 37/39 CH-8092 Zürich
Collaboration with European FTIR and UV-Vis teams and modelling teams in the frame of the EU project NORS	European network	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
E-GVAP II (EUMETNET GPS Water Vapor Programme)	European network	Automated GPS Network Switzerland (AGNES) Swiss Federal Office of Topography (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
European FP7 project ACTRIS (Aerosols, Clouds, and Trace gases Research InfraStructure Network)	European network	Aerosol Chemical Speciation Monitor (ACSM) measurements on the Jungfraujoch within the frame of the EU project ACTRIS (Aerosols, Clouds, and Trace gases Research Infrastructure Network) Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
European FP7 Project Real-Time Database for High Resolution Neutron Monitor Measurements (NMDB) http://nmbd.eu/	European network	Neutron monitors - Study of solar and galactic cosmic rays Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern

Institution / network	Country	Collaborating with project:
GAW-CH	European network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Université de Liège Institut d'Astrophysique et de Géophysique Allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
GAW-CH	European network	Monitoring of halogenated greenhouse gases Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
ICOS Integrated Carbon Observation System http://www.icos-infrastructure.eu	European network	Long-term observations of 14CO2 and 222Radon at Jungfraujoch Universität Heidelberg Institut für Umweltphysik Im Neuenheimer Feld 229 D-69120 Heidelberg
IMECC partners IMECC Infrastructure for Measurements of the European Carbon Cycle partners http://imecc.ipsl.jussieu.fr/	European network	Flask comparison on Jungfraujoch Isotope Research — Energy and Sustainability Research Institute Groningen Nijenborgh 4 9747 AG Groningen / The Netherlands
IMECC partners IMECC Infrastructure for Measurements of the European Carbon Cycle partners http://imecc.ipsl.jussieu.fr/	European network	Flask comparison on Jungfraujoch Max-Planck-Institut für Biogeochemie Hans Knöll Str. 10 D-007745 Jena
IMECC partners IMECC Infrastructure for Measurements of the European Carbon Cycle partners http://imecc.ipsl.jussieu.fr/	European network	Combined oxygen and carbon dioxide concentration measurements Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern
Partners of the EC-project NORS http://nors.aeronomie.be and GEOmon http://geomon.ipsl.jussieu.fr/	European network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Université de Liège Institut d'Astrophysique et de Géophysique Allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)

Institution / network	Country	Collaborating with project:
University of Helsinki Department of Physics Prof. M. Kulmala Helsinki, Finland	Finland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
INRA Dr. Cindy Morris 147 rue de l'université 75338 Paris Cedex 07 FRANCE	France	Flux of biological ice nucleators to cloud altitudes (using Rn-222 as a tracer for atmospheric transport and mixing) University of Basel Institute for Environmental Geosciences Bernoullistrasse 30 CH-4056 Basel
ISTerre, CNRS Université J. Fourier Grenoble, France	France	PERMASENSE: Permafrost measurements (temperature, conductivity, acoustic emission) with wireless sensor networks University of Zurich Department of Geography, Glaciology, Geomorphodynamics & Geochronology Winterthurerstr. 190 CH-8057 Zurich, Switzerland
LATMOS-CNRS, UVSQ Verrières le Buisson France	France	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Université J. Fourier Laboratoire de Glaciologie et Géophysique de l'Environnement CNRS Dr. P. Laj Grenoble, St Martin d'Hères Cedex, France	France	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Université Blaise Pascal Laboratoire de météorologie physique Dr. K. Sellegri 63170 Aubiere, France	France	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Bundesanstalt für Geowissenschaften und Rohstoffe, Hannover	Germany	The Polythermal Structure of Gornergletscher (Valais) Swiss Federal Office of Technology, ETH Zürich Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW) Gloriastrasse 37/39 CH-8092 Zürich
Bundesanstalt für Materialforschung und –prüfung Berlin, Deutschland	Germany	Transport and survival of desert soil- and rock surface inhabiting micro-organisms in atmospheric mineral dust Universität Bern Institut für Veterinär Bakteriologie Länggassstrasse 122 CH-3012 Bern
Freie Universität Berlin Prof. Dr. J. Fischer and Dr. T. Ruhtz	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Freie Universität Berlin Fachbereich Biologie, Chemie und Pharmazie & Geowissenschaften, Berlin	Germany	Transport and survival of desert soil- and rock surface inhabiting micro-organisms in atmospheric mineral dust Universität Bern Institut für Veterinär Bakteriologie Länggassstrasse 122 CH-3012 Bern
IMK (Forschungszentrum Karlsruhe) Satellite experiment	Germany	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
Institute of Atmospheric Physics, DLR Oberpfaffenhofen, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Johann Wolfgang Goethe Universität Frankfurt am Main Institut für Atmosphäre und Umwelt Frankfurt am Main, Deutschland	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Karlsruhe Institute of Technology (KIT) Institute of Meteorology and Climate Research Karlsruhe, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Leibniz Institut für Troposphärenforschung Leipzig, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Max-Planck Institute for Biogeochemistry Hans Knöll Str. 10 D-007745 Jena Deutschland	Germany	Continuous measurement of stable CO2 isotopes at Jungfraujoch, Switzerland Empa Abt. Luftfremdstoffe / Umwelttechnik Überlandstrasse 129 CH-8600 Dübendorf
Max-Planck Institute Mainz, Germany	Germany	The microstructure of ice crystals and cloud droplets in mixed-phase clouds measured with HOLIMO II. The microstructure of crystals clouds The time series of ice nuclei number concentration and properties measured with PINC. Swiss Federal Office of Technology, ETH Zürich Institute for Atmospheric and Climate Science Universitätsstr. 16 CH-8092 Zürich, Switzerland
Max-Planck-Institut für Chemie Biogeochemistry Department Mainz	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
University of Bonn Germany	Germany	Evolution of high mountain permafrost rockwalls (Jungfrau Ostgrat) WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf
Universität Darmstadt Institut für Mineralogie Darmstadt, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
University of Mainz Particle Chemistry Mainz, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
ACE-FTS science team http://www.ace.uwaterloo.ca/participants.html /	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
AGAGE (Advanced Global Atmospheric Gases Experiment)	International network	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf, Switzerland
Both the UV-Vis and FTIR observations contribute to the international Network for the Detection of Atmospheric Composition Changes (NDACC)	International network	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium

Institution / network	Country	Collaborating with project:
Global Atmosphere Watch (GAW)	International network	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf, Switzerland
Global Atmosphere Watch (GAW) AOD network	International network	Remote sensing of aerosol optical depth Physikalisch-Meteorologisches Observatorium Davos PMOD World Radiation Center WRC Dorfstrasse 33 CH-7260 Davos Dorf
Collaboration with the GOME, ENVISAT, OMI, ACE and MetOp GOME-2 and IASI satellite communities.	International networks	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
International Council of the Scientific Union's (ICSU) Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)	International network	Neutron monitors - Study of solar and galactic cosmic rays Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern
NASA Langley Research Center http://www.nasa.gov/centers/langley/home/index.html /	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
NDACC (Network for the Detection of Atmospheric Composition Change, previously NDSC; http://www.ndacc.org/) /	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium

Institution / network	Country	Collaborating with project:
Radiation data submitted to the World Radiation Data Centre (WRDC, St. Petersburg, Russian Federation) within the framework of the Global Atmosphere Watch.	International network	Global Atmosphere Watch Radiation Measurements Federal Office of Meteorology and climatology MeteoSwiss Atmospheric Data Department ch. de l'Aérologie CH-1530 Payerne
Satellite experiments: IASI ((Infrared Atmospheric Sounding Interferometer)), AURA, OMI, ACE-FTS, ENVISAT	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
The XENON Dark Matter Project	International network	Measurement of cosmogenic activation of ultra-pure xenon Universität Zürich Physik Institut Winterthurerstrasse 190 CH-8057 Zürich
World Data Centers A (Boulder), B (Moscow), C (Japan), International GLE database	International network	Neutron monitors - Study of solar and galactic cosmic rays Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern
World Meteorological Organization (WMO)	International network	Monitoring of halogenated greenhouse gases Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Konan University Prof. Y Muraki Nada-ku Kobe 657-0000, Japan	Japan	SONTEL - Solar Neutron Telescope for the identification and the study of high-energy neutrons produced in energetic eruptions at the Sun Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern

Institution / network	Country	Collaborating with project:
Nagoya University Solar Terrestrial Environment Laboratory Prof. Y. Matsubara, Dr. T. Sako, Dr. S. Masuda, Nagoya 464-8601, Japan	Japan	SONTEL - Solar Neutron Telescope for the identification and the study of high-energy neutrons produced in energetic eruptions at the Sun Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern
University of Oslo	Norway	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
Universidad Pablo de Olavide División de Neurociencias Sevilla	Spain	Effects of physical exercise and Vascular Endothelial Growth Factor on the neurogliovascular adaption to hypoxia Enrike G. Argandoña Boulevard Pérolles 75 CH-1700 Fribourg
Omnisys Instruments AB Göteborg	Sweden	STEAMR Universität Bern Institut für Angewandte Physik Sidlerstrasse 5 CH-3012 Bern, Switzerland
Alpes Lasers SA 1-3 Max.-de-Meuron C.P. 1766 CH-2001 Neuchâtel	Switzerland	Continuous measurement of stable CO2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Brenet	Switzerland	"In der Helle der Nacht" (In the Brightness of the Night): Single frame time-lapse video. Walter Bersinger Obermattenstrasse 9 CH-8153 Rümlang, Switzerland

Institution / network	Country	Collaborating with project:
Bundesamt für Umwelt (BAFU)/ Federal Office for the Environment (FOEN)	Switzerland	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
Bundesamt für Umwelt (BAFU)/ Federal Office for the Environment (FOEN)	Switzerland	Monitoring of halogenated greenhouse gases Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
Burgergemeinde Zermatt Bahnhofstrasse 53 CH-3920 Zermatt	Switzerland	Stellarium Gornergrat Centre for Space and Habitability Universität Bern Sidlerstrasse 5 CH-3012 Bern
Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf	Switzerland	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf	Switzerland	Combined oxygen and carbon dioxide concentration measurements Universität Bern Physikalisches Institut Sidlerstrasse 5 CH-3012 Bern
Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf	Switzerland	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium

Institution / network	Country	Collaborating with project:
Empa Laboratory for Air Pollution/Environmental Technology CH-8600 Dübendorf	Switzerland	Background air monitoring of gaseous elemental mercury at the High Altitude Research Station Jungfraujoch - Source apportionment of atmospheric mercury and emission estimates in Europe Swiss Federal Institute of Technology, ETH Zurich Wolfgang-Pauli-Strasse 10 CH-8093 Zürich
Empa Laboratory for Air Pollution/Environmental Technology CH-8600 Dübendorf	Switzerland	Measurements of NO2 and O3 In the free troposhere by a New LOPAP Instrument (MINI) Bergische Universität Wuppertal Physikalische Chemie / FBC Gaussstrasse 20 D-42119 Wuppertal
Empa NABEL + Group for climate gases Laboratory for Air Pollution/Environmental Technology CH-8600 Dübendorf	Switzerland	Flux of biological ice nucleators to cloud altitudes (using Rn-222 as a tracer for atmospheric transport and mixing) University of Basel Institute for Environmental Geosciences Bernoullistrasse 30 CH-4056 Basel
ETH Zürich Swiss Federal Institute of Technology Computer Engineering and Networks Laboratory Dr. Jan Beutel Gloriastrasse 35 CH-8092 Zurich	Switzerland	Evolution of high mountain permafrost rockwalls (Jungfrau Ostgrat) WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf
ETH Zürich Swiss Federal Institute of Technology Institute for Quantum Electronics Wolfgang-Pauli-Str.16 CH-8093 Zurich	Switzerland	Continuous measurement of stable CO2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
ETH Zürich Swiss Federal Institute of Technology Institute for Atmospheric and Climate Science Universitätstrasse 16 CH-8092 Zürich	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
ETH Zürich Swiss Federal Institute of Technology Institute of Geodesy and Photogrammetry	Switzerland	Automated GPS Network Switzerland (AGNES) Swiss Federal Office of Topography (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
ETH Zürich Swiss Federal Institute of Technology Institute of Plant, Animal and Agroecosystem Sciences Dr. W. Eugster	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Institut für Aerosol- und Sensortechnik, Fachhochschule Nordwestschweiz, Windisch	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
KWO	Switzerland	"In der Helle der Nacht" (In the Brightness of the Night): Single frame time-lapse video. Walter Bersinger Obermattenstrasse 9 CH-8153 Rümlang, Switzerland
MeteoSwiss	Switzerland	Lidar measurements of cirrus cloud properties in the midlatitudes Swiss Federal Office of Technology, ETH Zürich Institute for Atmospheric and Climate Science Universitätsstrasse 16 CH-8092 Zürich, Switzerland
MeteoSwiss, Zurich and Payerne	Switzerland	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
MeteoSwiss	Switzerland	Remote sensing of aerosol optical depth Physikalisch-Meteorologisches Observatorium Davos PMOD World Radiation Center WRC Dorfstrasse 33 CH-7260 Davos Dorf

Institution / network	Country	Collaborating with project:
MeteoSwiss	Switzerland	Longwave Infrared radiative forcing trend assimiliation over Switzerland (LIRAS) Physikalisch-Meteorologisches Observatorium Davos PMOD World Radiation Center WRC Dorfstrasse 33 CH-7260 Davos Dorf
MeteoSwiss, Payerne Office fédéral de météorologie et de climatologie MétéoSuisse Station Aérologique ch. de l'Aérologie CH-1530 Payerne	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
MeteoSwiss, Zurich and Payerne	Switzerland	Automated GPS Network Switzerland (AGNES) Swiss Federal Office of Topography (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland	Switzerland	Lidar measurements of cirrus cloud properties in the midlatitudes Swiss Federal Office of Technology, ETH Zürich Institute for Atmospheric and Climate Science Universitätsstrasse 16 CH-8092 Zürich, Switzerland
Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland	Switzerland	The microstructure of ice crystals and cloud droplets in mixed-phase clouds measured with HOLIMO II. The microstructure of crystals clouds The time series of ice nuclei number concentration and properties measured with PINC. Swiss Federal Office of Technology, ETH Zürich Institute for Atmospheric and Climate Science Universitätsstrasse 16 CH-8092 Zürich, Switzerland
Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland	Switzerland	Measurement of 222Rn for atmospheric tracer applications University of Basel Institute for Environmental Geosciences Bernoullistrasse 30 CH-4056 Basel

Institution / network	Country	Collaborating with project:
Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland	Switzerland	Flux of biological ice nucleators to cloud altitudes (using Rn-222 as a tracer for atmospheric transport and mixing) University of Basel Institute for Environmental Geosciences Bernoullistrasse 30 CH-4056 Basel
PermaSense University of Zurich Department of Geography Dr. Stephan Gruber Winterthurerstrasse 190 CH-8057 Zurich	Switzerland	Evolution of high mountain permafrost rockwalls (Jungfrau Ostgrat) WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf
PERMOS (Permafrost Monitoring Switzerland) http://www.permos.ch/ http://www.permos.ch/partner.html	Switzerland	Evolution of high mountain permafrost rockwalls (Jungfrau Ostgrat) WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf
Physikalisch-Meteorologisches Observatorium Davos PMOD World Radiation Center WRC Dr. Julian Gröbner Davos Switzerland	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Studiengesellschaft Mont Soleil	Switzerland	"In der Helle der Nacht" (In the Brightness of the Night): Single frame time-lapse video. Walter Bersinger Obermattenstrasse 9 CH-8153 Rümlang, Switzerland
Study of solar photometry (aerosol optical depth) and longwave infrared radiative forcing in collaboration with the Physikalisch Meteorologisches Observatorium Davo (PMOD), World Radiation Center (WRC) Dorfstrasse 33 CH-7260 Davos Dorf	Switzerland	Global Atmosphere Watch Radiation Measurements Federal Office of Meteorology and climatology MeteoSwiss Atmospheric Data Department ch. de l'Aérologie CH-1530 Payerne
SUPSI	Switzerland	"In der Helle der Nacht" (In the Brightness of the Night): Single frame time-lapse video. Walter Bersinger Obermattenstrasse 9 CH-8153 Rümlang, Switzerland

Institution / network	Country	Collaborating with project:
Swiss GCOS office http://www.proclim.ch/4dcgi/proclim/all/News?33566	Switzerland	Combined oxygen and carbon dioxide concentration measurements Universität Bern Physikalisches Institut Klima- und Umweltphysik Sidlerstrasse 5 CH-3012 Bern
Swiss Glacier Monitoring Network, Federal Office for the Environment (BAFU)	Switzerland	Glaciological investigations on the Grosser Aletschgletscher Swiss Federal Office of Technology, ETH Zürich Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW) Gloriastrasse 37/39 CH-8092 Zürich
Tofwerk AG CH-3600 Thun	Switzerland	Aerosol Chemical Speciation Monitor (ACSM) measurements on the Jungfraujoch within the frame of the EU project ACTRIS (Aerosols, Clouds, and Trace gases Research Infrastructure Network) Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Universität Basel Institut für Umweltgeowissenschaften Dr. Franz Conen Bernoullistrasse 30 CH-4056 Basel	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
University of Bern Astronomical Institute (AIUB), Sidlerstrasse 5 CH-3012 Bern	Switzerland	Automated GPS Network Switzerland (AGNES) Swiss Federal Office of Topography (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
University of Bern Institute of Applied Physics (IAP)	Switzerland	Automated GPS Network Switzerland (AGNES) Swiss Federal Office of Topography (swisstopo) Seftigenstrasse 264 CH-3084 Wabern

Institution / network	Country	Collaborating with project:
University of Bern Physics Institute Climate and Environmental Physics Sidlerstrasse 5 CH-3012 Bern	Switzerland	National Air Pollution Monitoring Network, temporary extension Empa Laboratory for Air Pollution & Environmental Technology Ueberlandstrasse 129 CH-8600 Duebendorf
University of Bern Physics Institute Climate and Environmental Physics Sidlerstrasse 5 CH-3012 Bern	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
University of Bern Physics Institute Climate and Environmental Physics Sidlerstrasse 5 CH-3012 Bern	Switzerland	Continuous measurement of stable CO2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
University of Bern Physics Institute Climate and Environmental Physics Sidlerstrasse 5 CH-3012 Bern	Switzerland	"In der Helle der Nacht" (In the Brightness of the Night): Single frame time-lapse video. Walter Bersinger Obermattenstrasse 9 CH-8153 Rümlang, Switzerland
Universität Bern Physikalisches Institut Climate and Environmental Physics Dr. Roland Purtschert Sidlerstrasse 5 CH-3012 Bern	Switzerland	85Kr Activity Determination in Tropospheric Air Bundesamt für Strahlenschutz Rosastrasse 9 D-79098 Freiburg
Universität Fribourg Departement für Geowissenschaften Prof. Dr. B. Grobéty Chemin du Musée 6 CH-1700 Fribourg	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Universität Fribourg Department of Geosciences Prof. Martin Hoelzle Chemin du Musée 6 CH-1700 Fribourg	Switzerland	Evolution of high mountain permafrost rockwalls (Jungfrau Ostgrat) WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf

Institution / network	Country	Collaborating with project:
Université de Fribourg Département des Géosciences Prof. Martin Hoelzle Dr. Matthias Huss Chemin du Musée 6 CH-1700 Fribourg	Switzerland	Climate reconstruction from high-alpine ice cores Paul Scherrer Institut Labor für Radio- und Umweltchemie CH-5232 Villigen Switzerland
Université de Genève Département de Biologie, végétale	Switzerland	Transport and survival of desert soil- and rock surface inhabiting micro-organisms in atmospheric mineral dust Universität Bern Institut für Veterinär Bakteriologie Länggassstrasse 122 CH-3012 Bern
University of Geneva Geneva Observatory Astronomy Department Prof. Didier Queloz 51, Chemin des Maillettes CH-1290 Sauverny	Switzerland	Stellarium Gornergrat Centre for Space and Habitability University of Bern Sidlerstrasse 5 CH-3012 Bern
University Hospital Zurich	Switzerland	Cardiovascular adjustments to prolonged altitude exposure University of Zurich Institute of Physiology Winterthurerstrasse 190 CH-8057 Zürich
University of Zurich Veterinary Physiology Winterthurerstr. 190 CH-8057 Zurich, Switzerland	Switzerland	Effects of physical exercise and Vascular Endothelial Growth Factor on the neurogliovascular adaption to hypoxia Enrike G. Argandoña Boulevard Pérolles 75 CH-1700 Fribourg
WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf	Switzerland	PERMASENSE: Permafrost measurements (temperature, conductivity, acoustic emission) with wireless sensor networks University of Zurich Department of Geography Glaciology, Geomorphodynamics & Geochronology Winterthurerstr. 190 CH-8057 Zürich, Switzerland

Institution / network	Country	Collaborating with project:
Abant Izzet Baysal University Department of Physics Experimental Nuclear and High Energy Group Prof. Dr. Haluk Denizli Bolu / Turkey	Turkey	Test of a prototype for a new concept of an EAS detector University of Rome La Sapienza Departement of Physics P.zza A. Moro 5 I-00198 Rome
Kafkas Universitesi Fen Edebiyat Fakultesi Dr. Mithat Kaya Fizik Bolumu 36000 Kars / Turkey	Turkey	Test of a prototype for a new concept of an EAS detector University of Rome La Sapienza Departement of Physics P.zza A. Moro 5 I-00198 Rome
University of Leeds School of Earth and Environment Collaboration with Martin Chipperfield Leeds, LS2 9JT United Kingdom http://www.see.leeds.ac.uk/people/m.chipperfield	UK	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
University of Leeds	UK	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
University of Manchester School of Earth, Atmospheric and Environmental Sciences (SEAES) Prof. H. Coe and Prof. T. Choularton Manchester, England	UK	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
STFC Rutherford Appleton Laboratory Didcot, Oxfordshire	UK	STEAMR Universität Bern Institut für Angewandte Physik Sidlerstrasse 5 CH-3012 Bern, Switzerland

Institution / network	Country	Collaborating with project:
Aerodyne Research Inc. Billerica MA-01821	USA	Direct and continuous measurement of NO2, NO and NOy in ambient air using quantum cascade laser absorption spectroscopy Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Aerodyne Research Inc. Billerica MA-01821	USA	Aerosol Chemical Speciation Monitor (ACSM) measurements on the Jungfraujoch within the frame of the EU project ACTRIS (Aerosols, Clouds, and Trace gases Research Infrastructure Network) Paul Scherrer Institute Laboratory of Atmospheric Chemistry CH-5232 Villigen Switzerland
Carnegie Mellon University Dept. of Physics Prof. James Russ 5000 Forbes Ave. Pittsburgh, PA 15213 USA	USA	Test of a prototype for a new concept of an EAS detector University of Rome La Sapienza Departement of Physics P.zza A. Moro 5 I-00198 Rome
NASA JPL	USA	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere University of Liège Dept. of Astrophysics, Geophysics & Oceanology Allée du six Août, 17 - Bâtiment B5a B-4000 Liège, Belgium
University of Gainesville Microbiology, Florida	USA	Transport and survival of desert soil- and rock surface inhabiting micro-organisms in atmospheric mineral dust Universität Bern Institut für Veterinär Bakteriologie Länggassstrasse 122 CH-3012 Bern