Collaborations and networks

Institutions collaborating with research projects at Jungfraujoch and Gornergrat in 2011:

Institution / network	Country	Collaborating with project:
K.G. McCracken Australia	Australia	^{7}Be and ^{10}Be in monthly precipitation Eawag Überlandstr. 133 CH-8600 Dübendorf
Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium	Belgium	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Dr. Katrijn Clemer, Dr. Michel Van Roozendael, Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium	Belgium	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
NDACC Partners and Institut d'Astrophysique et de Géophysique - Université de Liège 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
Prof. Frank Wania University of Toronto at Scarborough, Department of Physical and Environmental Sciences, 1265 Military Trail Toronto, ON, Canada, M1C 1A4 http://www.utsc.utoronto.ca/~wania/main.html	Canada	Quantitative characterisaion of the impact of environmental factors on the performance of passive air samplers for semi-volatile organic compounds Institut für Chemie- und Bioingenieurwissenschaften ETH Zürich Wolfgang-Pauli-Str. 10 8093 Zürich

Institution / network	Country	Collaborating with project:
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
AOD network http://www.pmodwrc.ch/worcc/pmod.php?topic=gawpfr_image_gallery http://www.pmodwrc.ch/worcc/	European network	Remote sensing of aerosol optical depth PMOD/WRC Dorfstrasse 33 CH-7260 Davos Dorf
GAW-CH	European network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
GEOmon (http://geomon.ipsl.jussieu.fr/)	European network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
partners of the EC-project NORS (http://nors.aeronomie.be)	European network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)

Institution / network	Country	Collaborating with project:
SOGE (System for Observations of Halogenated Greenhouse Gases in Europe)	European network	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Uberlandstrasse 129 8600 Dubendorf, Switzerland
E-GVAP II (EUMETNET GPS Water Vapor Programme)	European network	Automated GPS Network Switzerland (AGNES) Bundesamt für Landestopografie (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
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 Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
Collaboration with European FTIR and UV-Vis teams and modeling teams in the frame of the EU project GEOMon;	European network	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
ICOS Integrated Carbon Observation System (http://www.icos-infrastructure.eu)	European network	Long-term observations of $^{14}CO_2$ at Jungfraujoch Institut für Umweltphysik Universität Heidelberg 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 Max-Planck Institut für Biogeochemie Hans Knöll Str. 10 DE-007745 Jena
Prof. M. Kulmala, Department of Physics, University of Helsinki, Helsinki, Finland	Finland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Dr. David Amitrano, ISTerre, CNRS / Université J. Fourier, Grenoble, France	France	Permasense and Permos: Department of Geography University of Zurich Winterthurerstr. 190 CH-8057 Zurich, Switzerland
Dr. Cindy Morris INRA 147 rue de l'université 75338 Paris Cedex 07 FRANCE	France	Biological ice nucleators at tropospheric cloud height Institut für Umweltgeowissenschaften Universität Basel Bernoullistrasse 30 CH-4056 Basel
Dr. F. Goutail/Dr. A. Pazmino LATMOS - CNRS, UVSQ Verrières le Buisson FRANCE	France	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Dr. K. Sellegri, Laboratoire de météorologie physique, Université Blaise Pascal, 63170 Aubiere, France	France	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. P. Laj, Laboratoire de Glaciologie et Géophysique de l'Environnement CNRS - Université J. Fourier, Grenoble, St Martin d'Hères Cedex, France	France	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Deutscher Kalibrierdienst DKD, Bundesallee 100, D-38116 Braunschweig Deutschland	Germany	Influence of altitude on the result of a piston pipette volume with air cushion Spaelti-TS AG Wiesenstrasse 13 CH-5412 Gebenstorf

Institution / network	Country	Collaborating with project:
Rainer Feldmann, BRAND GMBH + CO KG, D-97877 Wertheim, Deutschland	Germany	Influence of altitude on the result of a piston pipette volume with air cushion Spaelti-TS AG Wiesenstrasse 13 CH-5412 Gebenstorf
Karl Heinz Lochner, Fraunhofer-Institut für Silicatforschung ISC, Aussenstelle Bronnbach, D-89877 Wertheim, Deutschland	Germany	Influence of altitude on the result of a piston pipette volume with air cushion Spaelti-TS AG Wiesenstrasse 13 CH-5412 Gebenstorf
Barbara Werner, Zentrum für Messen und Kalibrieren GmbH, D-06766 Bitterfeld-Wolfen, Deutschland Uwe Dunker und Michael Bremer, Eppendorf AG, D-22339 Hamburg, Deutschland	Germany	Influence of altitude on the result of a piston pipette volume with air cushion Spaelti-TS AG Wiesenstrasse 13 CH-5412 Gebenstorf
Uwe Dunker und Michael Bremer, Eppendorf AG, D-22339 Hamburg, Deutschland	Germany	Influence of altitude on the result of a piston pipette volume with air cushion Spaelti-TS AG Wiesenstrasse 13 CH-5412 Gebenstorf
Prof. William Broughton Microbiology, Bundesanstalt für Materialforschung und –prüfung, Berlin	Germany	Transport and survival of desert soil- and rock suface inhabiting micro-organisms in atmospheric mineral dust Institut für Veterinär Bakteriologie, Universität Bern Laenggass-Str. 122, CH-3001 Bern Freie Universität Berlin Faculty of Geosciences Free University of Berlin Malteserstrasse 74–100 12249 Berlin, Germany

Institution / network	Country	Collaborating with project:
Max-Planck Institut für Biogeochemie Hans Knöll Str. 10 DE-007745 Jena	Germany	Continuous measurement of stable CO_2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Satellite experiment: IMK (Forschungszentrum Karlsruhe) /	Germany	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Prof. S. Weinbruch, Universität Darmstadt, Institut für Mineralogie, Darmstadt, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. U. Pöschl, Biogeochemistry Department, Max-Planck-Institut für Chemie, Mainz, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. J. Schneider and Prof. S. Borrmann, University of Mainz, Particle Chemistry Department, Mainz, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Prof. J. Curtius, Institut für Atmosphäre und Umwelt, Johann Wolfgang Goethe Universität Frankfurt am Main, Frankfurt, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. A. Petzold, Institute of Atmospheric Physics, DLR Oberpfaffenhofen, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. S. Mertes, Prof. A. Wiedensohler, Institut für Troposphärenforschung, Leipzig, Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Dr. Martin Schnaiter, Institute of Meteorology and Climate Research, Karlsruhe Institute of Technology (KIT) Germany	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Prof. Dr. J. Fischer and Dr. T. Ruhtz, Freie Universität Berlin	Germany	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
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 Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)

Institution / network	Country	Collaborating with project:
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 Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
World Data Centers A (Boulder), B (Moscow), C (Japan), International GLE database	International network	Neutron monitors - Study of solar and galactic cosmic rays Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
Collaborations with University of Liège and NDACC partners	International network	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Both the UV-Vis and FTIR observations contribute to the international Network for the Detection of Atmospheric Composition Changes (NDACC, or the former NDSC).	International network	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Global Atmosphere Watch (GAW)	International network	Remote sensing of aerosol optical depth PMOD/WRC Dorfstrasse 33 CH-7260 Davos Dorf
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 Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)

Institution / network	Country	Collaborating with project:
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 Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
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 Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Satellite experiment: ACE-FTS	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Satellite experiment: ENVISAT (http://www.esa.int/esaEO/SEMWYN2VQUD_index_0_m.html) / …	International network	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Global Atmosphere Watch (GAW)	International network	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 8600 Dubendorf, Switzerland

Institution / network	Country	Collaborating with project:
AGAGE (Advanced Global Atmospheric Gases Experiment)	International network	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Überlandstrasse 129 8600 Dubendorf, Switzerland
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 Office fédéral de météorologie et de climatologie MétéoSuisse Station Aérologique ch. de l'Aérologie CH-1530 Payerne
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
Prof. Y. Matsubara, Dr. T. Sako, Dr. S. Masuda, Solar Terrestrial Environment Laboratory, Nagoya University, 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 Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
Prof. Y Muraki, Konan University, 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 Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
UK Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom	UK	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Uberlandstrasse 129 8600 Dubendorf, Switzerland

Institution / network	Country	Collaborating with project:
Collaboration with Karin Kreher and Paul V. Johnston of NIWA, New-Zeland NIWA National Institute of Water and Atmospheric Research 41 Market Place Viaduct Harbour Auckland Central 1010 Private Bag 99940 Newmarket, Auckland 1149 New Zealand ph: +64 9 375 2050	New Zealand	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
University of Oslo	Norway	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Matthew MacLeod 2011 Department of Applied Environmental Science, Stockholm University | Svante Arrhenius väg 8, SE-11418 Sweden http://www.itm.su.se/page.php?pid=536&id=277	Sweden	Quantitative characterization of the impact of environmental factors on the performance of passive air samplers for semi-volatile organic compounds Institut für Chemie- und Bioingenieurwissenschaften ETH Zürich Wolfgang-Pauli-Str. 10 8093 Zürich
B. Buchmann, D. Brunner, S. Henne and M. Steinbacher Laboratory for Air Pollution and Environmental Technology Uberlandstrasse 129 8600 Dubendorf, Switzerland	Switzerland	Atmospheric physics and chemistry Belgian Institute for Space Aeronomy Ringlaan 3 B-1180 Brussels Belgium
Dr. Franz Conen Institut für Umweltgeowissenschaften Universität Basel Bernoullistrasse 30 CH-4056 Basel	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Dr. D. Ruffieux 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 Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Prof. U. Lohmann, Prof. J. Stähelin, Prof. T. Peter Institute for Atmospheric and Climate Science (IACETH) Swiss Federal Institute of Technology Zürich Universitätstrasse 16 CH-8092 Zürich	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Prof. M. Leuenberger Climate and Environmental Physics Universität Bern CH-3012 Bern	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland	Switzerland	Water isotope measurements with a PICARRO Laser instrument Climate and Environmental Physics Universität Bern CH-3012 Bern
Dr. C. Hüglin, Dr. S. Reimann Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Prof. Dr. B. Grobéty Departement für Geowissenschaften Universität Fribourg Chemin du Musée 6 CH-1700 Fribourg	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Dr. Julian Gröbner, Physikalisch-Meteorologisches Observatorium Davos, World Radiation Center (PMOD/WRC), Davos Switzerland	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Longwave Infrared radiative forcing trend assimiliation over Switzerland (LIRAS) Remote sensing of aerosol optical depth PMOD/WRC Dorfstrasse 33 CH-7260 Davos Dorf	Switzerland	Global Atmosphere Watch Radiation Measurements Office fédéral de météorologie et de climatologie MétéoSuisse Station Aérologique ch. de l'Aérologie CH-1530 Payerne
Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland	Switzerland	Field measurements of atmospheric ice nuclei and properties of mixed phase clouds Institute for Atmospheric and Climate Science ETH Zurich Universitätsstrasse 16, CHN O16.3 CH-8092 Zürich
MeteoSwiss	Switzerland	Remote sensing of aerosol optical depth PMOD/WRC Dorfstrasse 33 CH-7260 Davos Dorf
Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland	Switzerland	Single particle analysis of aerosols from Saharan dust events Departement für Geowissenschaften Universität Fribourg Chemin du Musée 6 CH-1700 Fribourg
Office fédéral de météorologie et de climatologie MétéoSuisse Station Aérologique ch. de l'Aérologie CH-1530 Payerne	Switzerland	Single particle analysis of aerosols from Saharan dust events Departement für Geowissenschaften Universität Fribourg Chemin du Musée 6 CH-1700 Fribourg

Institution / network	Country	Collaborating with project:
ETH Zürich Institute for Quantum Electronics Wolfgang-Pauli-Str.16 CH-8093 Zurich	Switzerland	Continuous measurement of stable CO_2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Remote Sensing Laboratories Department of Geography University of Zurich - Irchel Winterthurerstr. 190 CH-8057 Zurich, Switzerland	Switzerland	APEX flight campaign: Retrieval of snow properties from hyperspectral imaging data Remote Sensing Research Unit Institute of Geography Universität Bern Hallerstrasse 12 CH-3012 Bern
WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf Switzerland	Switzerland	APEX flight campaign: Retrieval of snow properties from hyperspectral imaging data Remote Sensing Research Unit Institute of Geography Universität Bern Hallerstrasse 12 CH-3012 Bern
Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern	Switzerland	Continuous measurement of stable CO_2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
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

Institution / network	Country	Collaborating with project:
Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern	Switzerland	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern	Switzerland	^{85}Kr Activity Determination in Tropospheric Air Bundesamt für Strahlenschutz Rosastrasse 9 D-79098 Freiburg
MeteoSwiss, Zurich and Payerne	Switzerland	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland	Switzerland	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf
Institute of Geodesy and Photogrammetry, ETH Zürich	Switzerland	Automated GPS Network Switzerland (AGNES) Bundesamt für Landestopografie (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
Institute of Applied Physics (IAP), University of Bern	Switzerland	Automated GPS Network Switzerland (AGNES) Bundesamt für Landestopografie (swisstopo) Seftigenstrasse 264 CH-3084 Wabern

Institution / network	Country	Collaborating with project:
MeteoSwiss, Zurich and Payerne	Switzerland	Automated GPS Network Switzerland (AGNES) Bundesamt für Landestopografie (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
Empa Group for climate gases Laboratory for Air Pollution/Environmental Technology CH-8600 Dübendorf	Switzerland	Defining a criterion for free tropospheric air at Jungfraujoch Institut für Umweltgeowissenschaften Universität Basel Bernoullistrasse 30 CH-4056 Basel
Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland	Switzerland	Biological ice nucleators at tropospheric cloud height Institut für Umweltgeowissenschaften Universität Basel Bernoullistrasse 30 CH-4056 Basel
Swiss Glacier Monitoring Network, Federal Office for the Environment (BAFU)	Switzerland	Glaciological investigations on the Grosser Aletschgletscher Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW), ETH Zürich
Empa NABEL + Group for climate gases Laboratory for Air Pollution/Environmental Technology CH-8600 Dübendorf	Switzerland	Biological ice nucleators at tropospheric cloud height Institut für Umweltgeowissenschaften Universität Basel Bernoullistrasse 30 CH-4056 Basel
Swiss Glacier Monitoring Network, Federal Office for the Environment (BAFU)	Switzerland	Glaciological investigations on the Grosser Aletschgletscher ETH Zürich Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie (VAW) Gloriastrasse 37/39 CH-8092 Zürich

Institution / network	Country	Collaborating with project:
Astronomical Institute (AIUB), University of Bern	Switzerland	Automated GPS Network Switzerland (AGNES) Bundesamt für Landestopografie (swisstopo) Seftigenstrasse 264 CH-3084 Wabern
Alpes Lasers SA 1-3 Max.-de-Meuron C.P. 1766 CH-2001 Neuchâtel	Switzerland	Continuous measurement of stable CO_2 isotopes at Jungfraujoch, Switzerland Empa Laboratory for Air Pollution & Environmental Technology Überlandstrasse 129 CH-8600 Dübendorf
Permafrost Monitoring Switzerland (www.permos.ch)	Switzerland	Geophysical monitoring of the evolution of permafrost on Stockhorn University of Fribourg Department of Geosciences - Geography Unit Chemin du Musée 4 CH-1700 Fribourg
FNS-Sinergia project TEMPS (http://www.unifr.ch/geoscience/geographie/acag/doku.php?id=projects:temps)	Switzerland	Geophysical monitoring of the evolution of permafrost on Stockhorn University of Fribourg Department of Geosciences - Geography Unit Chemin du Musée 4 CH-1700 Fribourg
Global Atmosphere Watch (GAW)	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	National Air Pollution Monitoring Network (NABEL) Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf

Institution / network	Country	Collaborating with project:
Empa Laboratory for Air Pollution/Environmental Technology Ueberlandstrasse 129 CH-8600 Dübendorf	Switzerland	High precision carbon dioxide and oxygen measurements at Jungfraujoch Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
Swiss GCOS office http://www.proclim.ch/4dcgi/proclim/all/News?33566	Switzerland	High precision carbon dioxide and oxygen measurements at Jungfraujoch Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
IMECC Infrastructure for Measurements of the European Carbon Cycle partners http://imecc.ipsl.jussieu.fr/	Switzerland	High precision carbon dioxide and oxygen measurements at Jungfraujoch Climate and Environmental Physics Physikalisches Institut Universität Bern Sidlerstrasse 5 CH-3012 Bern
PERMOS (Permafrost Monitoring Switzerland) http://www.permos.ch/ http://www.permos.ch/partner.html	Switzerland	Permafrost monitoring at high Alpine sites WSL Institute for Snow and Avalanche Research SLF Flüelastrasse 11 CH-7260 Davos Dorf
Bundesamt für Umwelt (BAFU) / Federal Office for the Environment (FOEN)	Switzerland	Halogenated Greenhouse Gases at Jungfraujoch Empa Laboratory for Air Pollution and Environmental Technology Uberlandstrasse 129 8600 Dubendorf, Switzerland
Dr. W. Eugster, Institute of Plant, Animal and Agroecosystem Sciences, ETH Zürich	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Prof. H. Burtscher and Dr. M. Fierz, Institut für Aerosol- und Sensortechnik, Fachhochschule Nordwestschweiz, Windisch	Switzerland	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland
Prof. Dr. Haluk Denizli Department of Physics Experimental Nuclear and High Energy Group Abant Izzet Baysal University Bolu / Turkey	Turkey	Test of a prototype for a new concept of an EAS detector Dept. of Physics University of Rome “La Sapienza” p.zz A. Moro 5 I-00185 Rome
Dr. Mithat Kaya Kafkas Universitesi Fen Edebiyat Fakultesi Fizik Bolumu 36000 Kars / Turkey	Turkey	Test of a prototype for a new concept of an EAS detector Dept. of Physics University of Rome “La Sapienza” p.zz A. Moro 5 I-00185 Rome
Collaboration with Martin Chipperfield of Univ. Leeds. School of Earth and Environment The University of Leeds 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
Collaboration with Martin Chipperfield of Univ. Leeds. School of Earth and Environment The University of Leeds Leeds. LS2 9JT United Kingdom http://www.see.leeds.ac.uk/people/m.chipperfield.	UK	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d’Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Prof. H. Coe and Prof. T. Choularton, School of Earth, Atmospheric and Environmental Sciences (SEAES), University of Manchester, Manchester, England	UK	The Global Atmosphere Watch Aerosol Program at the Jungfraujoch Laboratory of Atmospheric Chemistry Paul Scherrer Institut (PSI) CH-5232 Villigen Switzerland

Institution / network	Country	Collaborating with project:
Prof. James Russ Dept. of Physics Carnegie Mellon University 5000 Forbes Ave. Pittsburgh, PA 15213	USA	Test of a prototype for a new concept of an EAS detector Dept. of Physics University of Rome "La Sapienza" p.zz A. Moro 5 I-00185 Rome
NASA JPL	USA	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Satellite experiment: AURA (http://aura.gsfc.nasa.gov/)	USA	High resolution, solar infrared Fourier Transform spectrometry. Application to the study of the Earth atmosphere Institut d'Astrophysique et de Géophysique - Université de Liège allée du VI août, 17 - Bâtiment B5a B-4000 Sart Tilman (Liège, Belgique)
Prof. Daniel Obrist, Desert Research Institute DRI , Reno, Nevada, USA http://www.dri.edu/daniel-obrist	USA	Background air monitoring of mercury at the High Altitude Research Station Jungfraujoch Institut für Chemie- und Bioingenieurwissenschaften ETH Zürich Wolfgang-Pauli-Str. 10 8093 Zürich Switzerland
Dr. Asif Qureshi, formerly at ETH Zurich current affiliation: Harvard University, Boston, Massachusetts, USA http://www.hsph.harvard.edu/research/asif-qureshi	USA	Background air monitoring of mercury at the High Altitude Research Station Jungfraujoch Institut für Chemie- und Bioingenieurwissenschaften ETH Zürich Wolfgang-Pauli-Str. 10 8093 Zürich Switzerland