



CONFERENCE PROGRAM:

Monday, 29 August 2011				
from	to	budget	who	topic
08:00	10:00	02:00		REGISTRATION
10:00	10:30			OPENING
10:00	10:05	00:05	LH a.D. Univ. Prof. Dr. Franz Schausberger (President, Sonnblick Verein)	
10:05	10:10	00:05	Dr. Michael Staudinger (Director, Zentralanstalt für Meteorologie und Geodynamik)	
10:10	10:15	00:05	Dr. Gregory Greenwood (Director, Mountain Research Initiative)	
10:15	10:20	00:05	BM Univ. Prof. Dr. Karlheinz Töchterle (Austrian Federal Minister for Science and Research)	
10:20	10:30	00:10	W. Schöner/Org	Introduction
10:30	11:00	00:30	R. Barry	Advances in mountain climate research (invited presentation)
11:00	11:30	00:30		COFFEE BREAK
Session 1: Climate change in mountain regions: Results from observations (Chair: R. Böhm)				
11:30	11:45	00:15	Chimani B. et al	Climate Change in the Greater Alpine Region from homogenised instrumental series
11:45	12:00	00:15	Lachat D. et al.	A Century of Atmospheric Transmission over Davos, Switzerland
12:00	12:30	00:30	Ohmura A.	Temperature variability at high altitudes and its causes
12:30	12:45	00:15	Kittel T. et al.	Elevational, seasonal and decadal dependence in climate change in a mid latitude mountain system Niwot Ridge, Colorado Rocky Mountains, USA
12:45	13:45	01:00		LUNCH BREAK
13:45	14:00	00:15	Haslinger K. et al.	Consistent warming trends at different elevations in the European Alps? - A regional climate modelling perspective with COSMO-CLM
14:00	14:15	00:15	Kotlarski S. et al.	Elevation gradients of European climate change and the role of the snow albedo feedback
14:15	14:45	00:30	Scherrer S. et al.	Revisiting Swiss temperature trends 1959-2008
14:45	15:00	00:15	Hiebl J. et al.	Have Sonnblick temperatures become more extreme? High frequency variability from a climate anomaly perspective
15:00	15:15	00:15	Nordli O. et al.	A survey of the Norwegian mountain stations and their temperature series
15:15	15:30	00:15	Ustrunul et al.	Long-term variability of the foehn winds in the Tatra Mountains
15:30	16:00	00:30		COFFEE BREAK
16:00	16:15	00:15	Vertacnik G.	Reconstruction of some climate variables at the Kredarica station in the Julian Alps
16:15	16:30	00:15	Malygina N. et al.	Response of high-mountain Altai thermal regime on the climate global warming of recent decades
16:30	16:45	00:15	Osipova et al.	Meteorology of high mountain glacierized zone of Kodar Range, East Siberia
16:45	17:00	00:15	Ghermezcheshmeh B.	Investigation on the role of topography with wet and dry precipitation periods in Southwest of Khuzestan Province
17:00	17:15	00:15	Rautenbach J. et al.	Fog as a water source for South African communities living in high altitudes
17:15	17:30	00:15	Wüst S.	Validation: Fact or fiction? Some thoughts on the impact of natural atmospheric variability on validation measurements
17:30	17:45	00:15	Aljani B. et al.	Indicators of climate change in the mountain regions of Iran





Tuesday, 30 August 2011				
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Session 2: Climate change in mountain regions: snow cover (Chair: N.N.)				
08:30	08:45	00:15	Marty C. et al.	75 Years of snow and weather observations at Weissfluhjoch
08:45	09:00	00:15	Hantel M. et al.	The snowline in the Alps
09:00	09:15	00:15	Saloranta T.M. et al.	Changes in maximum annual snow depths in Norway in 1961-2010
09:15	09:30	00:15	Hendriks J.	Monitoring and modelling seasonal snow in New Zealand: Past, present and future
09:30	09:45	00:15	Tadic-Perec M. et al.	Mapping of maximum snow load values for the 50 years return period for Croatia
09:45	10:00	00:15		Press Release
10:00	10:30	00:30		COFFEE BREAK
Session 3: Insight in mountain climate from mountain observatories research (Chair: N.N.)				
10:30	11:00	00:30	R. Böhm	The Sonnblick Observatory - 125 years of mountain research
11:00	11:15	00:15	Gilge S. et al.	Trend analysis of ozone, carbon monoxide and nitrogen oxide time series at the GAW-DACH sites Sonnblick, Jungfraujoch, Zugspitze and Hohenpeissenberg
11:15	11:30	00:15	Levin I. et al.	Long-term radiocarbon (¹⁴ CO ₂) observations in the Alps - a key for atmospheric carbon cycle research
11:30	11:45	00:15	Bukowiecki N. et al.	Long-term aerosol measurements at the high altitude station Jungfraujoch (Switzerland)
11:45	12:00	00:15	Bittner M. et al.	The virtual institute "Environmental Research Station Schneefernerhaus, UFS": Concept and mission
12:00	13:00	01:00		LUNCH BREAK
13:00	13:15	00:15	Andrews E. et al.	Climatology of aerosol radiative properties in the free troposphere
13:15	13:30	00:15	Olefs M. et al.	Reconstruction of global and diffuse radiation from early sunshine and cloudiness observations at Hoher Sonnblick, Austria
13:30	13:45	00:15	Fitzka M. et al.	Long-term trends in spectral surface UV irradiance at Hoher Sonnblick
13:45	14:00	00:15	Scheifinger H. et al.	The Regional Global Atmosphere Watch station Sonnblick
14:00	14:15	00:15	Wotawa G. et al.	Improved source analysis of pollutants measured at Sonnblick and other high-alpine observatories
14:15	14:30	00:15	Mocnik G. et al.	Temporal trends of aerosols at Sonnblick
14:30	14:45	00:15		Introduction to the poster session
14:45	15:00	00:15	Auer I.	Book presentation "Labor über den Wolken"
15:00	17:00	02:00		COFFEE / POSTER SESSION
19:00	20:00	01:00		MUSIC EVENT



Wednesday, 31 August 2011

Session 4: Climate model results for mountain regions (Chair: N.N)

from	to	budget	who	topic
08:30	08:45	00:15	Loibl W. et al.	reclip:century - Development of a base data set of regional climate scenarios
08:45	09:00	00:15	Gobiet A. et al.	On the reliability of climate scenarios for the European Alpine region
09:00	09:15	00:15	Fischer A.M. et al.	Probabilistic climate change scenarios for Switzerland
09:15	09:30	00:15	Seibert P. et al.	The HiRmod project - preparing for regional climate modelling with high resolution non-hydrostatic models
09:30	09:45	00:15	Kyseli J. et al.	Climate change scenarios of precipitation extremes in mountain regions: evaluation of ENSEMBLES regional climate models
09:45	10:15	00:30	Auer I. Bradley R.	Discussion forum
10:15	10:45	00:30		COFFEE BREAK
10:45	11:00	00:15	Marke T. et al.	GISMO - A tool for quality checking and closure of gaps in meteorological time series and ist potential for climate change research
11:00	11:15	00:15	Fiddes J. et al.	CRYOSUB: A new concept for continental modelling of the cryospheric processes at the sub-grid scale

Session 5: Glaciers, ice caps and permafrost (Chair: N.N)

11:15	11:30	00:15	Bradley R. et al.	Climate of the Quelccaya Ice Cap, Peru
11:30	11:45	00:15	Hardy D. et al.	Climate research on the glaciers of Kilimanjaro
11:45	12:00	00:15	Prinz T. et al.	Mean mass balance rates derived from volume and area changes of Lewis Glacier, Mt. Kenya, 1934-2010
12:00	13:00	01:00		LUNCH BREAK
13:00	13:15	00:15	Saltzman N. et al.	Multi source climate data unravels drivers of rapid glacier retreat in the data scarce Andes of southern Peru
13:15	13:30	00:15	Paul F. et al.	Recent glacier changes in the Alps in response to atmospheric warming: Observations and consequences
13:30	13:45	00:15	Williams C. et al.	Evaluating mountain glacier change over the 20th and 21th century utilising a mixed approach
13:45	14:00	00:15	Ananicheva M.D. et al	Mountain glacier change in the Russian Arctic: new assessments
14:00	14:15	00:15	Nagler T. et al.	Snow and glacier monitoring system based on satellite data
14:15	14:30	00:15	Randhawa S. et al.	Estimation of glacial variations in Spiti sub catchment of Satluj river basin, NW Indian Himalaya using remote sensing techniques
14:30	15:00	00:30		COFFEE BREAK
15:00	15:15	00:15	Collins D. et al.	Climatic variation and deglaciation discharge dividends in rivers flowing from partially ice-covered Alpine basins
15:15	15:30	00:15	Osipov E. et al.	Glaciers of Kodar Range (East Siberia) as indicators of climate change in high mountains since Little Ice Age
15:30	15:45	00:15	Fischer A. et al.	The climate according to glaciers: insight from 50 year time series of Hintereisferner
15:45	16:00	00:15	Isaksen K. et al.	Warming mountain permafrost in Scandinavia
16:00	16:15	00:15	Hauck C. et al.	Sensitivity study of climate impact on high mountain permafrost using RCM scenario and subsurface simulations for the permafrost monitoring station Schilthorn, Swiss Alps
16:15	16:30	00:15	Kellerer-Pirkelbauer A.	Thermal and geomorphic permafrost response to present and future climate change in the European Alps: One action within the PermaNET project
19:00	23:00	04:00		CONFERENCE DINNER

International Symposium

Climate Change in High Mountain Regions

From Understanding of the Past to Modelling of the Future

29 August - 1 September 2011 SALZBURG, AUSTRIA



Thursday, 1 September 2011				
from	to	budget	who	topic
09:00	09:30	00:30	Krishnan R.	The interaction of the monsoon with high mountain regions
Session 6: Results from paleo-climate reconstructions (Chair: N.N)				
09:30	09:45	00:15	Wang R. et al.	Study on the influence of monsoon, westerly and snow cover on the dust concentration in snow in the Himalaya as reflected by the Dasuopu ice core record
09:45	10:00	00:15	Eichler A. et al.	Climate reconstructions from high-alpine ice cores
10:00	10:30	00:30		COFFEE BREAK
10:30	10:45	00:15	Bohleben P. et al.	What may we learn from high Alpine ice cores studies on past temperature changes
10:45	11:00	00:15	Nicolussi K. et al.	Summer temperature variability in the Alps during the last 1200 years
11:00	11:15	00:15	Kamenik C. et al.	Cold-season temperatures in the Swiss Alps since AD 1100; Trends, variability and forcing factors
11:15	11:30	00:15	Wagner S. et al.	Precipitation variability in the Greater Alpine Region in a regional climate simulation of historical times
11:30	11:45	00:15	Schmid R. et al.	Long-term seasonal climate changes inferred from proxies in Austrian alpine lake sediments
Conclusions and outlook				
11:45	12:00	00:15	Leitner M. et al.	Climate Impact Research and Response Coordination for a Larger Europe: CIRCLE-2 ERA-Net and CIRCLE-2 MOUNTain Sub-Network
12:00	12:15	00:15	W. Schöner	CLOSING
17:00	18:00	01:00		BUS TRANSFER RAURIS

