

# OECD - WENGEN 2006 WORKSHOP

## ADAPTATION TO THE IMPACTS OF CLIMATE CHANGE IN THE EUROPEAN ALPS

In partnership with the ENSEMBLES project

Impacts of climate change are now being felt across the European Alps and future scenarios predict even greater changes, which will include a reduction in snow cover at lower altitudes, receding glaciers and melting permafrost, and changes in temperature and precipitation extremes. These changes have potential implications for critical aspects of Alpine economies, including winter tourism; exposure of human settlements and infrastructure to natural hazards; agriculture and ecosystems; and water resources. *Adaptation* to these observed and projected impacts is therefore becoming increasingly important – both to limit near and medium term damages and also to avoid decisions that might exacerbate vulnerability to climate changes over the longer term.

The OECD – Wengen 2006 workshop will take place from **October 4-6, 2006**, and will bring together experts from the climate science, policy, and economics communities together with decision-makers from countries within the Alpine Arc to examine the vulnerability of particular sectors and systems to climate change impacts, and more importantly to assess progress on the formulation and implementation of adaptation responses at local, regional, and national levels. A particular focus will be on: the role of government and private actors; comparative experiences between the Alpine countries; synergies and conflicts between adaptation responses and other priorities.

# Final Agenda

<b>Tuesday, October 3, 2006</b>			
	17:00-19:00	Registration	
<b>Wednesday, October 4, 2006</b>			
	7:30- 8:30	<b>REGISTRATION</b>	
	8:30-9:00	<b>INTRODUCTORY REMARKS</b>	
		Martin Beniston, <i>University of Geneva, Switzerland</i> , Shardul Agrawala, <i>OECD, Paris, France</i> , Chris Hewitt, <i>EU ENSEMBLES Project and Hadley Center, UK Met Office, UK</i>	Confirmed
		<b>KEYNOTES</b>	
	9:00-9:30	Climatic Change in the Alps: perspectives and impacts Martin Beniston <i>University of Geneva, Switzerland</i>	Confirmed
	9:30-10:00	Adaptation to Climatic Change: economic and policy perspectives Shardul Agrawala <i>OECD, Paris, France</i>	Confirmed
	10:00-10:30	<i>Coffee Break</i>	
<b>1</b>		<b>THEMATIC SESSION 1A: WINTER TOURISM /NATIONAL PERSPECTIVES</b>	
1.1	10:30-10:50	Climate change and risk appraisal in the Austrian ski industry Christoph Wolfsegger <i>University of Lund, Sweden</i>	Confirmed
1.2	10:50-11:10	The choices of the Swiss ski lift companies towards artificial snow cover use: A statistical approach Camille Gonseth <i>EPF-Lausanne, Switzerland</i>	Confirmed
1.3	11:10-11:30	Regional economic impacts of climate change on winter tourism in Austria Nadja Vetter <i>Joanneum Research Center, Graz, Austria</i>	Confirmed
1.4	11:30-11:50	OECD report on adaptation strategies in Alpine ski tourism: a cross country analysis Bruno Abegg <i>University of Zurich, Switzerland</i>	Confirmed
	11:50-12:30	<i>Discussion session</i>	
	12:30-14:00	<b>Lunch</b>	

**Wednesday, October 4, 2006**

<b>Wednesday, October 4, 2006</b>			
<b>1</b>		<b>THEMATIC SESSION 1B: WINTER TOURISM /LOCAL AND PRIVATE SECTOR PERSPECTIVES</b>	
1.5	14:00-14:20	Vulnerability and adaptation of winter tourism in Tyrol and Bavaria under conditions of climatic change Robert Steiger <i>University of Innsbruck, Austria</i>	Confirmed
1.6	14:20-14:40	Adaptation in the French Alps : a perspective from the private sector Éric Guilpart <i>Compagnie des Alpes, France</i>	Confirmed
1.7	14:40-15:00	Diversification of tourism as a response to climate change: an example from the department of Isère, France Gérard Arnaud <i>Conseil Général de l'Isère</i>	Confirmed
	15:00-15:30	<i>Discussion</i>	
	15:30-16:00	<b><i>Coffee Break</i></b>	
<b>1</b>		<b>THEMATIC SESSION 1C: WINTER TOURISM /LOOKING FORWARD</b>	
1.8	16:00-16:20	An adaptation strategy for glacier ski resorts Marc Olefs and Andrea Fischer <i>Center for Natural Hazard Management and University of Innsbruck, Austria</i>	Confirmed
1.9	16:20-16:40	Adaptation to climate change in winter tourism across the Alps Christian Baumgartner <i>CIPRA, International Friends of Nature</i>	Confirmed
1.10	16:20-16:40	Climate change in winter sport – a new approach to transdisciplinary research and implementation Ulrike Pröbstl and Wiebke Unbehaun <i>University of Natural Resources and Applied Life Sciences, Vienna, Austria</i>	Confirmed
	16:40-18:00	<i>Discussion</i>	
	18:30	<i>Icebreaker</i>	

<b>Thursday, October 5, 2006</b>			
<b>2</b>		<b>THEMATIC SESSION 2 : AGRICULTURE AND ECOSYSTEMS</b>	
2.1	9:00-9:20	Global change impacts on selected ecosystem goods and services from the European Alps: a simulation study with stakeholder involvement Harald Bugmann <i>ETH-Zurich, Switzerland</i>	Confirmed
2.2	9:20-9:40	Changing vegetation patterns at the alpine-nival ecotone – recent results from a GLORIA master site in the central Alps Michael Gottfried <i>University of Vienna, Austria</i>	Confirmed
2.3	9:40-10:00	Risks and opportunities for the agriculture of the Alpine region in a changing climate Pierluigi Calanca <i>Agroscope Research Station, Reckenholz-Zurich, Switzerland</i>	Confirmed
	10:00-10:30	<b>Discussion</b>	
	10:30-11:00	<b>Coffee Break</b>	
<b>3</b>		<b>THEMATIC SESSION 3A: NATURAL HAZARDS/ SCIENTIFIC BASIS</b>	
3.1	11:00-11:20	Anticipating climate-driven geosystem changes in high mountain areas: a case-study in the Upper Engadine, Eastern Swiss Alps Wilfried Haeberli <i>University of Zurich, Switzerland</i>	Confirmed
3.2	11:20-11:40	New and rising risks in the cryosphere of the Mediterranean ranges Massimo Pecci and Pinuccion d'Aquila <i>IMONT, Rome, Italy</i>	Confirmed
3.3	11:40-12:00	On the incidence of debris flows in the Swiss Alps from the early Little Ice Age to a future greenhouse climate Markus Stoffel <i>University of Fribourg, Switzerland</i>	Confirmed
3.4	12:00-12:20	Glacier changes in the Swiss Alps and their socio-economic consequences Andreas Bauder and Martin Funk <i>ETH-Zurich, Switzerland</i>	Confirmed
	12:20-12:45	<b>Discussion</b>	
	12:45-14:00	<b>Lunch</b>	

<b>Thursday, October 5, 2006</b>			
<b>3</b>		<b>THEMATIC SESSION 3B: NATURAL HAZARDS/ NATIONAL AND LOCAL RESPONSES</b>	
3.5	14:00-14:20	Knowledge, uncertainties, and adaptation: Changing cryosphere and changing behaviors in the Val d'Hérens, Switzerland Ralph Lugon and Ellen Wiegandt <i>Institut Universitaire Kurt Boesch, Sion, and University of Geneva, Switzerland</i>	Confirmed
3.6	14:20-14:40	Dealing with climate change impacts on glacier and permafrost hazards as an example for adaptation strategies in mountains Christian Huggel <i>University of Zurich, Switzerland</i>	Confirmed
3.7	14:40-15:00	Climate change and natural hazards in the Alpine Arc: a cross country analysis Simon Jette-Nantel <i>OECD, Paris, France</i>	Confirmed
3.8	15:00-15:20	Adaptation to climate change in Switzerland's natural hazards management policies Hugo Raetzo <i>Swiss Federal Office of the Environment, Bern, Switzerland</i>	Confirmed
	15:20-16:00	<i>Discussion</i>	
	16:00-16:30	<b>Coffee Break</b>	
<b>3</b>		<b>THEMATIC SESSION 3C: NATURAL HAZARDS/ INSURANCE</b>	
3.9	16:30-16:50	Catastrophe insurance in Spain and France: Small differences with important implications Thomas von Ungern-Sternberg <i>HEC-Lausanne, Switzerland</i>	Confirmed
3.10	16:50-17:10	Climate change and property insurance: perspective from the Swiss public insurers Martin Kamber <i>Intercantonal Reinsurance Union, Switzerland</i>	Confirmed
3.11	17:10-17:30	Adapting national risk transfer systems: how much regulation for the insurance markets? Franz Pretenthaler <i>Joanneum Research Center, Graz, Austria</i>	Confirmed
	17:30-18:00	<i>Discussion</i>	

<b>Friday, October 6, 2006</b>			
<b>4</b>		<b>THEMATIC SESSION 4: WATER RESOURCE MANAGEMENT</b>	
4.1	8:30-8:50	Implication of Climate Change for water resources in the Alps Paolo Burlando <i>ETH-Zürich, Switzerland</i>	Confirmed
4.2	8:50-9:10	EU Water Framework Directive as a response to climate change <i>Representative of the European Commission</i>	To be confirmed
4.3	9:10-9:30	Climate Change impacts on EDF activities and water resources Clarisse Fil <i>Electricité de France, France</i>	Confirmed
4.4	9:30-9:50	Water resource management in the Pyrenees under environmental change Juan Ignacio Lopez Moreno <i>University of Fribourg, Switzerland and University of Zaragoza, Spain</i>	Confirmed
	9:50-10:20	<b><i>Coffee Break</i></b>	
4.5	10:20-10:40	Impact of climate change on Lake Neusiedl (Austria) and potential adaptation strategies Herbert Formayer <i>University of Natural Resources and Applied Life Sciences, Vienna, Austria</i>	Confirmed
4.6	10:40-11:00	Adaptation in the water supply sector of Eastern Styria (Austria) Iris Oberauner <i>Joanneum Research Center, Graz, Austria</i>	Confirmed
	11:00-12:00	<b><i>Discussion</i></b>	
	12:00-13:45	<b><i>Lunch</i></b>	

		<b>Friday, October 6, 2006</b>	
		<b>KEYNOTE</b>	
	13:45-14:15	What is wrong with very long-run economic modeling of climate change? Stefan Schleicher <i>University of Graz, Austria</i>	Confirmed
		<b>ADAPTATION ACROSS SCALES: GOVERNMENTS, NGOS AND PRIVATE SECTORS</b>	
	14:15-16:00	<b>Roundtable discussion:</b> <ul style="list-style-type: none"> <li>▪ Representative from Alpine Convention [tbc]</li> <li>▪ Abigail Howell, European Commission [tbc]</li> <li>▪ Marc Gillet, ONERC, France [confirmed]</li> <li>▪ Representative from Germany [tbc]</li> <li>▪ Representative from Austria [tbc]</li> <li>▪ Representative from Switzerland [tbc]</li> <li>▪ Eric Guilpart, Compagnie des Alpes, France [tbc]</li> <li>▪ David Pitt, IUCN [tbc]</li> </ul>	
	16:00	<b>Closing remarks and end of the Wengen-2006 Workshop</b> <b>Shardul Agrawala, OECD, Paris, France</b> <b>Martin Beniston, University of Geneva, Switzerland</b>	