



Climate Change in South-Eastern European Countries

- Causes
- Impacts
- Solutions

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Monday, 26th March – Tuesday, 27th March 2007
Orangerie, Burggarten, Graz, Austria

Note that from 24th to 25th March clocks will be moved 1 hour ahead (daylight savings time)

PROGRAMME

α TRADITION of INNOVATION

Sunday 25th March 2007

19:00 GET TOGETHER (OPTIONAL)

Café "aiola upstairs" on the Schloßberg
(Centre of Graz)

Monday 26th March 2007

09:00 REGISTRATION

09:30 OPENING OF THE WORKSHOP

Opening speech

Bernhard Pelzl, *JOANNEUM RESEARCH, Austria*

Presentation of the workshop programme & definition of the workshop objectives

Franz Prettenhaler, *JOANNEUM RESEARCH, Austria*

IPCC emissions scenarios and strategies for stabilizing atmospheric greenhouse gas concentrations

Nebojsa Nakicenovic,
IIASA and Technical University Vienna, Austria

IPCC 2007 and beyond: state of knowledge and Wegener Center climate change research

Karl Steininger, *Wegener Center - University of Graz, Austria*

10:30 **SESSION 1** » LAND USE AND LAND COVER

CHAIR: H. Kupfersberger

Assessment of land use/Cover changes in alpine areas by means of remote sensing

Mathias Schardt, *JOANNEUM RESEARCH, Austria*

A solution to mitigate the impact of extreme climate events on Romanian Forestry

Gabriela Florescu, *ICI National Institute for Research and Development in Informatics, Romania*

Effects of the drought 2003 on water balance and forests

Urša Vilhar, *Slovenian Forestry Institute*

11:30 COFFEE BREAK

12:00 **SESSION 2** » BIODIVERSITY, NEOBIOTA, "ALIENS"

CHAIR: F. Prettenhaler

Effects of the climate change on biodiversity and plant invasions in South-Eastern Europe

Danijela Stešević, *University of Montenegro*

Climate change and new alien plant species in Austria

Peter Trinkaus, *JOANNEUM RESEARCH, Austria*

Birds as ideal bio-indicators of climate change:

Examples from Macedonia

Branko Mičevski, *Birdlife Macedonia*

Tree rings and climate change

Miklos Kazmir, *Eotvos University, Hungary*

13:20 LUNCH

14:20 **SESSION 3** » EXTREME EVENTS AND WATER CYCLES

CHAIR: M. Schardt

The influences of sea surface temperature (SST) variability and change on extreme precipitation in Romania

Roxana Bojariu, *National Meteorological Administration, Romania*

Stable isotopes of hydrogen, oxygen, carbon and nitrogen as tracers of climatic changes – Case studies from Slovenia

Polona Vreča, *Jožef Stefan Institute, Slovenia*

Management of water resources in the light of climate change

Hans Kupfersberger, *JOANNEUM RESEARCH, Austria*

Natural and technological hazards related to extreme climatic events in Romania

Dan Balteanu,
Institute of Geography – Academy of Sciences, Romania

15:40 POSTER SESSION 1

CHAIR: M. Schardt

Review on needfulness for plant ecophysiological study and investigation on climate

Mostafa Jafari, *Research Institute of Forests and Rangeland, Iran*

Influences of the atmospheric circulation over the North Atlantic-European sector on the seasonal temperature trend in Romania

Sorin Cheval, *National Meteorological Administration, Romania*

Impact of artificial accumulation on climate change

Marija Petrovic, *Serbia*

Climate impacts on agriculture

Mounir Balloumi, *University of Sousse, Tunisia*

Black spots in Serbia – The influence on environment

Milica Pavlović, *University of Belgrade, Serbia*

16:25 **SESSION 4 » ECONOMIC IMPACTS AND ADAPTATION**

CHAIR: M. Schardt

Adaptation to climate change: a well established policy or only an illusion

Jürgen Kropp, *Potsdam Institute for Climate Impact Research, Germany*

Measuring economic vulnerability and impacts

Franz Prettenhaler, *JOANNEUM RESEARCH, Austria*

17:05 POSSIBILITIES OF FUNDING – INTERNATIONAL COOPERATION

CHAIR: M. Schardt

Possibilities of funding based on the FP7

Michalis Tzatzanis, *Austrian Research Promotion Agency*

17:25 BRAINSTORMING ON FUTURE ACTIVITIES

CHAIR: M. Schardt

15:55 COFFEE BREAK

20:00 PARTICIPANTS' DINNER



PROGRAMME

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Tuesday 27th March 2007

09:00 **SESSION 5** » CLIMATE POLICY IN SOUTH-EASTERN EUROPEAN COUNTRIES

CHAIR: B. Schlamadinger

Climate change adaptation in Bulgaria – Public awareness and capacity building

Milkana Mochurova,
Institute of Economics – Bulgarian Academy of Sciences
Co-author: Plamen Mishev,
University of National and World Economy, Bulgaria

Evaluating greenhouse gas mitigation options and technology needs in the energy sector in Macedonia

Natasa Markovska, *Macedonian Academy of Sciences and Arts*

Possible instruments for the reduction of greenhouse gas emissions in SEE countries

Leonardo Massai, *T.M.C. Ausser Institute, Netherlands*

Climate policy for emission reductions in Bulgaria

Nevena Alexandrova, *Bulgarian Ministry of Environment and Water*

Climate change policy in Slovenia and integrating GHG reductions into sectoral policies

Matjaž Česen,
Jožef Stefan Institute – Energy Efficiency Centre, Slovenia

10:40 COFFEE BREAK

11:10 **SESSION 6** » KYOTO RELATED ISSUES (JI/CDM/GIS) AND EMISSIONS TRADING IN SOUTH-EASTERN EUROPEAN COUNTRIES

CHAIR: N. Bird

Possibilities for investment in Serbian energy sector and compliance with the Kyoto protocol

Sanja Filipović, *Economic Institute – Belgrade, Serbia*

The impact of energy and emission markets on energy efficiency and independence

Andrej Gubina, *University of Ljubljana, Slovenia*

Options for Green Investment Scheme (GIS) and recent developments

Andreas Türk, *JOANNEUM RESEARCH, Austria*

JI projects: Compatibility of climate change mitigation with other environmental aspects

Marieta Koleva, *Birdlife Bulgaria*

12:30 LUNCH

13:30 POSTER SESSION 2

CHAIR: N. Bird

Potential benefits in solar water heating in South-Eastern European countries

Slavoljub Mijovic, *University of Montenegro*

Adequacy assessment of the Slovenian power system

Milos Pantos, *University of Ljubljana, Slovenia*

Small energy efficiency measures in households and office buildings

Ilija Sazdovski, *Proaktiva, Macedonia*

Reduction in CO₂ emissions through introduction of sustainable living

Dragana Bojovic, *University of Belgrade – Centre for Multidisciplinary Studies, Serbia*

Efficiency of GHG mitigation measures under consideration of ancillary effects

Daniel Steiner, *JOANNEUM RESEARCH, Austria*

13:45 **SESSION 7** » RENEWABLE ENERGY

CHAIR: N. Bird

The potential of renewable energy sources in Bosnia and Herzegovina, Biomass

Petar M. Gvero, *University of Banja Luka, Bosnia and Herzegovina*

Potential for emission reduction of Greenhouse Gases in Bosnia and Herzegovina and needs for establishment of Designated National Authority

Azrudin Husika, *University of Sarajevo, Bosnia and Herzegovina*

14:25 SUMMARY

CHAIR: B. Schlamadinger

14:40 COFFEE BREAK

15:00 CONFERENCE CLOSING

15:30 WALK THROUGH THE HISTORICAL CITY CENTRE OF GRAZ (OPTIONAL)

guided by Klaus Granica