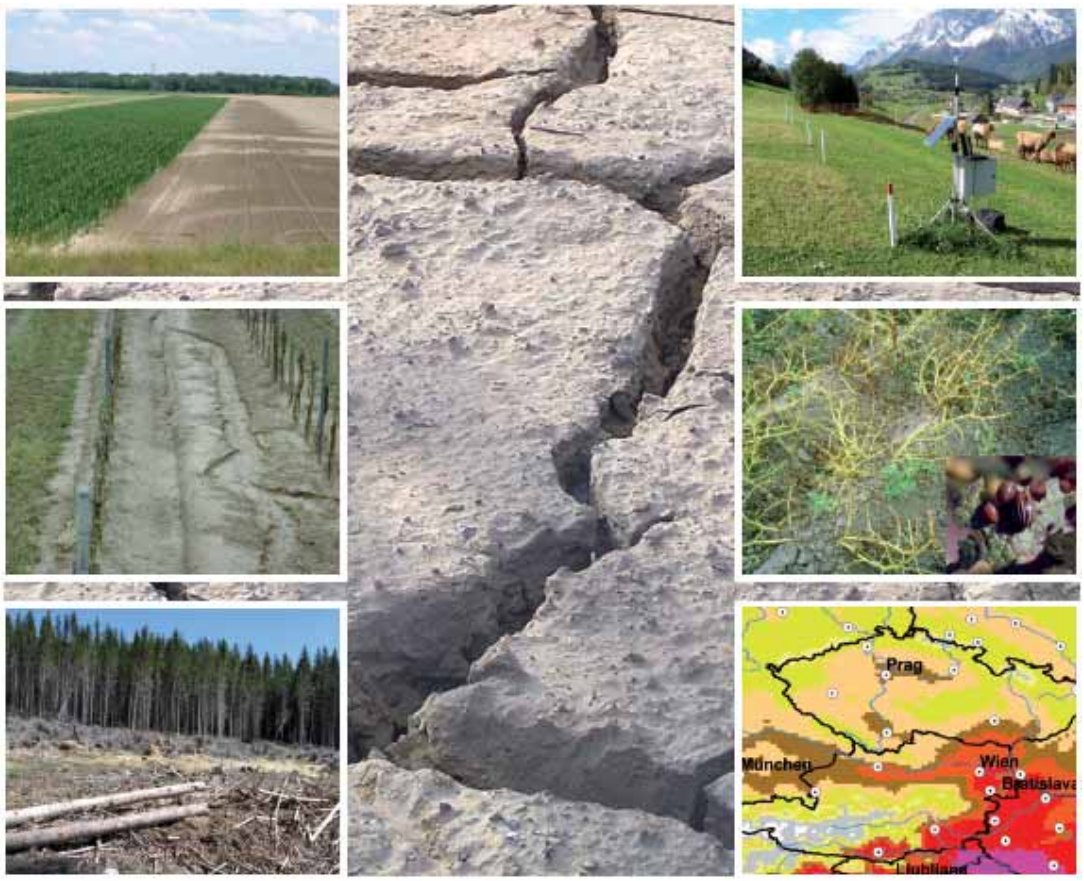

International Symposium "Climate Change and Adaptation Options in Agriculture"

June 22-23 2009

University of Natural Resources and Applied Life Sciences, Vienna (BOKU)
Gregor Mendel Straße 33
1180 Vienna, Austria
Festsaal (Ceremony Hall) - 1st floor

PROGRAM

Monday, June 22, 2009, 08:00–19:00

Session + Chairperson	Time	Lecturer	Lecture Title
	08:00–09:30	*Registration and poster fixing*	
Opening / introductory speeches	09:30–10:00	**Robert Stefanski** – World Meteorological Organization (WMO) **Josef Eitzinger** – EU Project ADAGIO **Simone Orlandini** - COST 734 Action **Tomas Halenka** – EU Project CECILIA	
Session 1 **Simone Orlandini**	10:00–10:25	**Eitzinger Josef** Institute of Meteorology, University of Natural Resources and Applied Life Sciences (BOKU), Peter-Jordan Str. 82, A-1190 Vienna, Austria	**Climate change impacts and adaptation options for agriculture in complex terrain and small scale agricultural systems – case studies from Austria**
	10:25–10:50	**Alexandrov Vesselin** Department of Meteorology, National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences, 66 Tzarigradsko shose 66, BG-1784 Sofia, Bulgaria	**Vulnerabililty and adaptation of agriculture under climate change in Bulgaria**
	10:50–11:15	**Trnka Mirek** Institute of Agriculture Systems and Bioclimatology Mendel University of Agriculture and Forestry in Brno Zemedelska 1, 613 00, Brno, Czech Republic	**Is the rainfed agriculture in Central Europe at risk? - Using a novel methodology to produce high resolution and regionally relevant support for decision makers**
	11:15–11:40	**Simota Catalin** Foundation for using information technology for environment agriculture and global changes (TIAMASG) – Bucharest, Romania	**Quantitative assessment of some adaptation measures to climate change for arable crop systems**
	11:40–12:05	**Utset Angel** AMBCLIM, Environment and Climate Consultancy, Spain	**Reliability of current spanish irrigation designs in a changed climate**
	12:05–12:30	**Ventrella Domenico** Agricultural Research Council – Research unit for cropping systems in dry environments (CRA-SCA) Bari, Italy	**Vulnerability and adaptation of some herbaceous crops to climate change in Southern Italy**
	12:30–14:00	*Lunch and discussions at the posters*	
Session 2	14:00–14:25	**Wouter Dorigo** Institute of Photogrammetry and Remote Sensing (I.P.F.) Vienna, Austria	**Multi-decadal satellite soil moisture datasets for agricultural drought assessment**

Robert Stefanski	14:25–14:50	**Gregorič Gregor** Environmental Agency of the Republic of Slovenia, Meteorological Office, Ljubljana, Slovenia	**How to monitor agricultural drought? – a challenge for Drought Management Center for SE Europe**
	14:50–15:15	**Kozyra Jerzy** Institute of Soil Science and Plant Cultivation State Research Institute Pulawy, Ul. Czartoryski 8, 24-100 Puławy, Poland	**Agricultural Drought Monitoring System (ADMS) – Including crop specific requirements and soil map for the detection of areas affected by drought condition in Poland**
	15:15–15:40	**Anna Dalla Marta** Department of Agronomy and Land Management Management – University of Florence. Piazzale delle Cascine 18 – 50144, Firenze, Italy	**Analysis of the relationships between climate change and variability, grapevine phenology and quality of "Nobile di Montepulciano" wine**
	15:40–16:05	**Calanca Pierluigi** Agroscope Reckenholz-Tänikon, Research Station ART Air Pollution and Climate Group, Reckenholzstr. 191, 8046 Zurich, Switzerland	**Applications of numerical weather products and seasonal forecasts in agrometeorology**
	16:05–16:30	*Coffee break and discussions at the posters*	
Session 3 **Vesselin Alexandrov**	16:30–16:55	**Pacher Bernhard** Adcon Telemetry GmbH, Inkustrasse 24, A-3400 Klosterneuburg, Austria	**Using modern sensor technology to improve water usage efficiency – and the 10 most common mistakes made**
	16:55–17:20	**Medany Mahmoud A.** Central Laboratory for Agricultural Climate (CLAC), Agricultural Research Center (ARC), Ministry of Agriculture and Land Reclamation, Egypt	**Land-use change and adaptation in the Nile Delta region**
	17:20–17:45	**Anastasiou Dimos** Institute of Environmental Research and Sustainable Development (IERSD)	**Methods and spatial analysis for the Adagio agricultural adaptation assessment in Greece**
	17:45–18:10	**Dalezios N.R.** School of Agricultural Sciences, Laboratory of Agrometeorology, University of Thessaly, Fitokou Str, Volos, Greece	**Wheat yield estimation using agroclimatic indices**
	18:10–18:35	**Orfanus Tomas** Institute of Hydrology, Slovak Academy of Sciences, Raèianska 75, 83102 Bratislava, Slovakia	**Reduction of infiltration rate in rigid soils induced by aridisation**
Parallel Event	17:00–19:00	*COST 734 Meeting*	

Tuesday, June 23, 2009, 08:30–19:00

Session + Chairperson	Time	Lecturer	Lecture Title
Session 4 **Christian Kersebaum**	08:30-08:55	**Trnka Mirek** Institute of Agriculture Systems and Bioclimatology Mendel University of Agriculture and Forestry in Brno Zemedelska 1, 613 00, Brno, Czech Republic	**Assessing differences in the farm level vulnerability of the cereal production in the Central Europe – consequences, uncertainties and adaptation options**
	08:55–9:20	**Vučetić Višnja** Meteorological and Hydrological Service, Zagreb, Croatia	**Modelling of maize production and adaptation to climate change in Croatia**
	9:20-09:45	**Lalić Branislava** Faculty of Agriculture, University of Novi Sad, Dositej Obradovic Sq. 8, Novi Sad, Serbia	**Assessment of possible relation between trends in agroclimatic indices and crop model outputs**
	09:45-10:10	**Lemeshko Natalia** State Hydrological Institute, St. Petersburg, Russia	**Climate change and vulnerability in agriculture – the situation and state of art in Russia**
	10:10-10:40	*Coffee break and discussions at the posters*	
Session 5 **Josef Eitzinger**	10:40–11:05	**Medany Mahmoud A.** Central Laboratory for Agricultural Climate (CLAC), Agricultural Research Center (ARC), Ministry of Agriculture and Land Reclamation, Egypt	**Adaptation of agriculture sector in the Nile Delta region to climate change at farm level**
	11:05–11:30	**Mihailović D.T.** Faculty of Agriculture, University of Novi Sad, Dositej Obradovic Sq. 8, Novi Sad, Serbia	**Climate change impacts and adaptation options in Serbia – Results from the ADAGIO Project**
	11:30–11:55	**Kristensen Kristian** Department of Genetics, Faculty of Agricultural Sciences, University of Aarhus, Denmark	**Wheat response to climate changes in Denmark between 1992 and 2007**
	11:55–12:20	**Nikolaev M.V.** Agrophysical Research Institute, Grazhdanskij pr. 14, St.Petersburg, 195220, Russian Federation	**Adaptation of crop management practice to climate change in Russia**
	12:20–13:50	*Lunch and discussions at the posters*	
Session 6 **Levent Saylan**	13:50–14:15	**Kersebaum Christian** Leibniz-Centre for Agricultural Landscape Analysis, Eberswalder Str. 84, D-15374 Müncheberg, Germany	**Simulated impacts of climate change and elevated CO_2 on crop production and management in different regions of Germany**

	14:15–14:40	**Xiloyannis Cristos** Dipartimento di Scienze dei Sistemi Colturali, Forestali e dell'Ambiente, University of Basilicata, 85100 – Potenza – Italy	**Water relations and defence mechanisms to water stress of fruit tree species**
	14:40-15:05	**Gobin Anne** Environmental modelling unit; Flemish Institute for Technological Research; Belgium	**Bio-economic impacts of climate change on Flanders' fields**
	15:05–15:30	**Peltonen-Sainio Pirjo** MTT Agrifood Research Finland, Plant Production Research, Crop Science, FI-31600 Jokioinen	**Crop responses to temperature and precipitation according to long-term multi-location trials at high latitudes with reference to climate change**
	15:30–15:55	**Kumar Suresh** Irish Climate Analysis and Research Units, Dept. of Geography	**Climate change and adaptation options in Irish agriculture**
	15:55–16:20	**Saylan Levent** Department of Meteorology, Faculty of Aeronautics and Astronautics, Istanbul Technical University, 34469, Maslak, Istanbul, Turkey	**Validating the adaptation of paddy rice to different scenarios using a climate change impact model in northwestern Turkey**
	16:20-16:50	*Coffee Break and discussions at the posters*	
Session 7 **Pavol Nejedlik**	16:50-17:10	**Nejedlik Pavol** Slovak Hydrometeorological Institute, Bratislava, Slovakia	**Trends of selected characteristics of precipitation in the Northern Carpathians in the light of water supply for agriculture**
	17:10-17:30	**Takáč Jozef** Soil Science and Conservation Research Institute, Gagarinova 10, 82713 Bratislava, SK	**Climate change impact on relations among evapotanspiration, water use efficiency and crop yields on Danubian lowland**
	17:30-17:50	**Šiška Bernard** Department of Biometeorology and Hydrology, Hospodárska 7, SAU Nitra, 94901 Nitra, SK	**Model evaluation of nitrous oxide emissions from agricultural land of Slovak Republic as influenced by climate change conditios**
	17:50-18:10	**Firanj Ana** Faculty of Agriculture, University of Novi Sad, Dositej Obradovic Sq. 8, Novi Sad, Serbia	**Calibration and validation of DSSAT model for Serbian agroecological conditions**
	18:10-18:30	**Jevtić R.** Institute of Field and Vegetable Crops, Maksim Gorki St. 30, Novi Sad, Serbia	**Adaptation to diseases, pests and weeds caused by climatic changes and evaluation of associated risks in European Regions – Results from the Adagio Project**
Parallel Event	17:00–19:00	*COST 734 Meeting*	
	20:00	***Official Dinner***	

Poster Session

Poster Session	June 22, 9:00 - June 23, 18:00	**(1) Muhammad Anjum** Institute of Meteorology, University of Natural Resources and Applied Life Sciences (BOKU), Peter-Jordan Str. 82, A-1190 Vienna, Austria	Anjum M. **Assessment of maize production, crop water productivity and water requirement under different climate change scenarios in Faisalabad-Pakistan**
		(2) Bartholy Judit Department of Meteorology, Eötvös Loránd University, Budapest, Hungary	Bartholy J., Pongrácz R., Kovács G., Torma C., Török O., Pieczka I., Szabó P. **Analysis of simulated trends of extreme climate indices with special emphasis on agricultural impacts using regional model outputs for the Carpathian Basin**
		(3) Gerersdorfer Thomas Institute of Meteorology, University of Natural Resources and Applied Life Sciences (BOKU), Peter-Jordan Str. 82, A-1190 Vienna, Austria	Gerersdorfer T. **Landscape structures (hedgerows) as adaptation method to climate change in semi-arid regions**
		(4) Kazandjiev Valentin National Institute of Meteorology and Hydrology, 66 Tsarigradsko shausse blvd., 1784 Sofia Bulgaria	Kazandjiev, V. **Indices characterizing thermal and moisturizing conditions in Bulgaria during 1971-2005 period**
		(5) Patil Ravi H. Faculty of Agricultural Sciences, Department of Agroecology & Environment, University of Aarhus, Blichers Alle 20, 8830 Tjele, Denmark.	Patil R.H., Laegdsmand M., Olesen J.E. and Porter J.R. **Climate change and soil nitrogen dynamics in winter wheat**
		(6) Rötter R.P. MTT Agrifood Research Finland, Plant Production Research, Lönnrotinkatu 5, 50100 Mikkeli, Finland	Rötter R.P., Lehtonen H., Palosuo T., Salo T., Helin J., Kahiluoto H., Granlund J.K. and Rankinen K. **A modelling framework for assessing adaptive management options of Finnish agricultural systems to climate change**
		(7) Shahabfar Alireza Institute of Meteorology, University of Natural Resources and Applied Life Sciences (BOKU), Peter-Jordan Str. 82, A-1190 Vienna, Austria	Shahabfar A., Eitzinger J. **Different Responses of MODIS-derived drought indices in variety of agro-climatic conditions**
		(8) Slejko M. University of Nova Gorica, Centre for Atmospheric Research, Nova Gorica, Slovenia	Slejko M. **Drought vulnerability assessment for the agriculture: a case study for theWest part of Slovenia**

		(9) Sušnik Andreja Meteorological Office , Environmental Agency of the Republic of Slovenia, Ljubljana, Slovenia	A. Susnik, T. Pogacar, J. Roškar, G. Gregorič, A. Ceglar **How to monitor agricultural drought? – a challenge for Drought Management Center for SE Europe**
		(10) Kocmánková E. Institute for Agrosystems and Bioclimatology, Mendel University of Agriculture and Forestry Brno, Czech Republic	E. Kocmánková , M. Trnka, J. Eitzinger, M. Dubrovský, P. Štěpánek, Semerádová, J. Balek, D. P. Skalák, A. Farda, J. Juroch, Z. Žalud **Estimating climate change impact on occurrence of selected species in high resolution – a novel approach**
		(11) Lazar Reinhold Univ. Graz, Austria	Lazar R. **Precipitation related crop yield variations and adaptation strategies for the cultivation of maize in Styria**
		(12) Lesny Jacek August Cieszkowski Agricultural University of Poznan, Poland	Lesny J., Radoslaw Juszczak, Tomasz Serba, Janusz Olejnik **Climate change and agriculture - impacts, mitigation and adaptation measures in Poland**
		(13) Schaumberger Andreas Agricultural Research and Education Center Raumberg-Gumpenstein, A-8952 Irdning, Austria	Schaumberger, J., Schaumberger, A., Gubert, F. **Crop water stress in Eastern Europe under present-day conditions and future climate scenario**

Wednesday, June 24, 2009, 9:00–16:00

Time		
09:00-16:00	**COST 734**	**WG1-WG4 Meeting**
09:00-12:00	**ADAGIO**	**ADAGIO Meeting**
13:00-16:00	**WMO**	**WMO Expert Meeting**