

**International Conference on current knowledge of
Climate Change Impacts on Agriculture and Forestry in Europe**

COST-WMO
Topolcianky, SK, 3-6 May 2011

PROGRAMME

Tuesday 3.5.2011

15:00-19:30 Registration
19:30 *Ice breaker*

Wednesday 4.5.2011

Plenary session

Lecture room: Zamok conference hall

09:30-10:00	Organizational Opening addresses		
10:00-10:20	Stefanski	Robert	Climate Variability, Climate Change and Climate Services Related to Sustainable Agriculture
10:20-10:40	Lee	Byong-Lyol	GCFS implementation for Agrometeorology from the perspective of WMO/CAgM
10:40-11:00	Orlandini	Simone	COST Action 734: Impacts of Climate Change and Variability on European Agriculture: CLIVAGRI
11:00-11:30	<i>Coffee break</i>		
11:30-11:50	Peyron	Lean-Luc	COST705 Facing climate change, similarities and differences between agriculture and forestry
11:50-12:10	Smith	Ward	Assessment of potential agricultural management strategies to cope with climate variability and climate change in Canada
12:10-12:30	Lapin	Milan	Climate change scenarios for Slovakia
12:30-14:00	<i>Lunch</i>		

Presentations in parallel sessions

Session 1: Impacts of changing climate on agriculture and forestry

Lecture room: Hradna straz conference hall

Chair: Vesselin Alexandrov

14:00-14:15	Motha	Raymond	Climate Change and the Risks to Agriculture
14:15-14:30	Olesen	Jorgen Eivind	Challenges for European research on climate change impact and adaptation
14:30-14:45	Kleschenko	Alexander	Bioclimatic Potential of Russia at Changing Climate
14:45-15:00	Peltonen - Sanio	Pirjo	Coincidence of variation in yield and climate in Europe
15:00-15:15	Lee	Byong-Lyol	Impact Assessment on Temperate Fruits Using High-Definition Digital Climate Maps under Projected Climate Change in Korea
15:15-15:30	Cloppet	Emanuel	Impact of Climate Change on Fire Weather Index: from high resolution climatology to Climate Change impact study
15:30-16:00	<i>Coffee break</i>		

Chair: Jorgen Olesen

16:00-16:15	Duveiler	Gregory	Agriculture under climate change: MARS-AGRI4CAST on-going activities
16:15-16:30	Gobin	Anne	Impact of extreme events on Belgian crop production under climate change
16:30-16:45	Kristensen	Kristian	Response of winter wheat to climatic indices in Denmark and prediction of yield in future climate projections
16:45-17:00	Valeyeva	Dylia	Agricultural production and climate change in Uzbekistan, the risks and elaboration of the adaptation strategy. Generalization of strategy to overcome climate variability/ change and assess of their impacts on the sustainability of agriculture
17:00-17:15	Nejedlik	Pavol	Drought and Forest Fire Danger Assessment in Changing Conditions of Climate in Slovakia
17:15-17:30	Ruget	Francoise	Impacts of climate change on production of crops used in French livestock systems
17:30-17:45	Singh	Surender	Climate Change Induced Farming Uncertainty: The Regional Concerns

Session 2: Environmental assessments

Lecture room: Zamok conference hall

Chair: Josef Eitzinger

14:00-14:15	Trnka	Miroslav	AGROCLIMATIC conditions IN EUROPE under climate change
14:15-14:30	Mika	Janos	Spatial Variability and Trends in Water availability in Central Europe Described by six Drought Indices
14:30-14:45	Balashov	Eugene	Assessment of greenhouse gas fluxes in northwestern agricultural region of Russia: measurements and modelling
14:45-15:00	Dalezios	Nikolas	Spatiotemporal drought variability and classification over Greece based on remotely sensed indices
15:00-15:15	Gerersdorfer	Thomas	Spatial Climatic Variability in Agricultural Areas and its Relevance to Climate Trends
15:15-15:30	Kepinska-Kasprzak	Malgorzata	Evapotranspiration as a part of water balance – comparison of ground and satellite measurements.
15:30-16:00	<i>Coffee break</i>		

Chair: Nikolas Dalezios

16:00-16:15	Shahabfar	Alireza	Evaluation of Indices for an Agricultural Drought Monitoring System in Arid and Semi-Arid Regions
16:15-16:30	Mestre Barcelo	Antonio	Trends in some agroclimatic variables for several climatic zones of Peninsular Spain
16:30-16:45	Szalai	Sandor	Climate of the Carpathian Region. A JRC tender for high resolution gridded database
16:45-17:00	Pecho	Jozef	Extreme precipitation totals in 2010 in context of historical precipitation data in Slovakia
17:00-17:15	Koch	Elizaeth	COST725 => PEP725 and BACCHUS
17:15-17:30	Hajkova	Lenka	Wild plants phenology in Czech Republic in 1991-2010

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17:45-18:45 Lecture room: Zamok conference hall

19:30 **Social dinner****Thursday 5.5.2011****Session 3: Monitoring, forecasting and adaptation measures**

Lecture room: Zamok conference hall

Chair: Leonidas Toullos

09:00-09:15	Stone	Roger	The value of climate forecasting in assisting the agricultural community's ability to cope with climate variability and climate change - reference to the Australian experience
09:15-09:30	Hayes	Michael	Delivering Drought Information Services to the World: Activities of the National Drought Mitigation Center
09:30-09:45	Moeletsi	Mokhele	The use of rainfall forecasts to assist in small-scale farming decisions: case study of Limpopo and Mpumalanga PROVINCES, South Africa
09:45-10:00	Mihailovic	Dragutin	Climate Change: Whether We Might have an Intermezzo before the next Step
10:00-10:15	Lichner	Ivan	Analysis of adaptation to climate changes with the emphasis on the sectors of agriculture and forestry
10:15-10:30	Kersebaum	Kurt Christian	Modelling climate change impacts on crop production and management in different regions of Germany using different algorithms to consider the CO2 effect.
10:30-11:00	<i>Coffee break</i>		

Chair: Roger Stone

11:00-11:15	Dalamarta	Anna	From water to bioethanol: the impact of climate variability on the water footprint
11:15-11:30	Siska	Bernard	Evaluation of Adaptive Measures to reduce Climate Change Impact on Soil Organic Carbon Stock on Danubian Lowland
11:30-11:45	Nertan	Argentina	Analysis of MODIS LAI time series data using TIMESAT software. Case study – Romania
11:45-12:00	Stancaile	Georghe	Deriving Agrometeorological Parameters from the Remotely Sensed Data with the Integration with other Sources of Information for Drought Monitoring
12:00-12:15	Siversten	Tor Hakon	Discussing the concepts of 'sustainable agricultural production' and 'sustainable development'
12:15-12:30	Doltra	Jordi	Yield and nitrogen leaching trends in an arable cropping system under projected future climate in Denmark

Session 4: Scenarios and modelling**Lecture room: Hradna straz confer****Chair: Janos Mika**

09:00-09:15	Brunini	Orivaldo	Climate Changes Scenarios and their Impacts on interactions on Forests and Agriculture
09:15-09:30	Halenka	Tomas	High resolution climate change scenarios available in Europe for impact studies in agriculture
09:30-09:45	Mullerova	Tereza	The use of regional climate scenario for future risk assessment of spruce forests in Slezske Beskydy Mts.
09:45-10:00	Parcurar	Victor Dan	Local Climate Change Scenarios for Forest Management Units in Brasov Mountains (South-Eastern Transylvania)
10:00-10:15	Eitzinger	Josef	Sensitivities of crop models to extreme weather events demonstrated for maize and winter wheat at two locations in Austria
10:15-10:30	Oron	Gideon	Implementing Artificial Neural Network (ANN) for Assessing Water Availability in Natural Reservoirs Supplying Water for Irrigation in Dry Regions
10:30-11:00	<i>Cofee break</i>		

Chair: Tomas Halenka

11:00-11:15	Palosuo	Taru	Simulation of winter wheat yield and its variability in different climates of Europe. A comparison of eight crop growth models
11:15-11:30	Vucetic	Visnja	Apple phenology and application of Utah model in Croatia
11:30-11:45	Susnik	Andreja	Use of WinISAREG model and Standardized Precipitation Index (SPI) in the detection of agricultural drought in the frame of DMCSEE
11:45-12:00	Roeter	Raimund	Simulation of spring barley yield and its variability in different climates of Europe. A comparison of nine crop growth models
12:00-12:15	Lalic	Branka	Using results of modelled yield deviation and indices of weather extremes towards a better yield assessment – current state of research
12:15-12:30	Kubu	Gerhard	Use of ASCAT Data for Crop Model Application - A Case Study from Austria
12:30-12:45	Brunini	Orivaldo	Stochastic Modelling of the Extreme Minimum and maximum Air Temperature Series of Campinas, State of Sao Paulo, Brazil. A Non-Stationary Approach
12:45-14:15	<i>Lunch</i>		

Poster session**Lecture room: Zamok conference hall**

14:15- 15:05	Short presentations to the posters /3 min each/
15:05-16:00	Poster session with coffee
16:10-17:30	Wrapping up round table, formulation of conference conclusions

Friday 6.5.2011

10:00	Leaving Topolcianky
10:30-12:00	Excursion to arboretum
12:00-13:00	<i>Lunch</i>
13:00-15:30	Transport to Bratislava and Vienna airport /people who are leaving/
13:00-13:20	Transport to Topolcianky /people who are attending ET and/or MC CAgM meetings/
14:00-18:00	ET meeting
19:00	<i>Dinner</i>