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-Lyd GCFS implementation for Agrometeorology from the perspective of WMO/CaM
10:40-11:00 Orlandini Simone COST Action 734: Impacts of Climate Change and Variability on European Agriculture: CLIVAGRI
11:00-11:30 Coffee break
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 Lunch

Presentations in parallel sessions
Session 1: Impacts of changing climate on agriculture and forestry
Lecture room: Hradiska straz conference hall
Chair: Vesselin Alexandrov
14:00-14:15 Motta Raymond Climate Change and the Risks to Agriculture
14:15-14:30 Olesen Jorgen Bivind 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 - Sario Pirjo Coincidence of variation in yield and climate in Europe
15:00-15:15 Lee Byong-Lyd 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 Coffee break

Chair: Jorgen Olesen
16:00-16:15 Duveier Gregory Agriculture under climate change: MARS-AGRICAST on-going activities
16:15-16:30 Goin Anre 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 Dylya 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 Nejdik Pavol Drought and Forest Fire Danger Assessment in Changing Conditions of Climate in Slovakia
17:15-17:30 Rupte Franck Impact 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 Trmka 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 Bakashov Eugene Assessment of greenhouse gas fluxes in northwestern agricultural region of Russia: measurements and modelling
14:45-15:00 Dalezios Nikola Spatiotemporal drought variability and classification over Greece based on remotely sensed indices
15:00-15:15 Gerasdorfer Thomas Spatial Climatic Variability in Agricultural Areas and its Relevance to Climate Trends
15:15-15:30 Kapinska-Kasprow Małgorzata Evapotranspiration as a part of water balance – comparison of ground and satellite measurements.
15:30-16:00 Coffee break

Chair: Nikola Dalezios
16:00-16:15 Shahabor 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 Szakai 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 Elizaph COST725 => PEFT225 and BACCHUS
17:15-17:30 Hajkova Lenka Wild plants phenoology in Czech Republic in 1991-2010

MCM 734
17:45-18:45 Lecture room: Zamok conference hall
19:30 Social dinner

Thursday 5.5.2011
Session 2: Monitoring, forecasting and adaptation measures
Lecture room: Zamok conference hall
Chair: Leonidas Toutios
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 Moelesi 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 Mihalikovic 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 Kereszbaum 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 Coffee break

Chair: Roger Stone
11:00-11.15 Dalamatsa 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 Stancaie Georghe Deriving Agrometeorological Parameters from the Remotely Sensed Data with the Integration with other Sources of Information for Drought Monitoring
12:00-12.15 Svensten Tor Hakon Discussing the concepts of ‘sustainable agricultural production’ and ‘sustainable development’
12:15-12.30 Deltra Jordi Yield and nitrogen leaching trends in an arable cropping system under projected future climate in Denmark
### Session 4: Scenarios and modelling

**Chair: Janos Mika**

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<tr>
<th>Time</th>
<th>Speaker</th>
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<td>Brunini Orvaldo</td>
<td>Climate Changes Scenarios and their impacts on interactions on Forests and Agriculture</td>
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<td>09:15-09:30</td>
<td>Halenka Tomas</td>
<td>High resolution climate change scenarios available in Europe for impact studies in agriculture</td>
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<td>09:30-09:45</td>
<td>Mulerova Tereza</td>
<td>The use of regional climate scenario for future risk assessment of spruce forests in Slazie Mountains</td>
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<td>09:45-10:00</td>
<td>Parcaru Victor Dan</td>
<td>Local Climate Change Scenarios for Forest Management Units in Brasov Mountains (South-Eastern Transylvania)</td>
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<td>10:00-10:15</td>
<td>Eltzinger Josef</td>
<td>Sensitivities of crop models to extreme weather events demonstrated for maize and winter wheat at two locations in Austria</td>
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<td>10:15-10:30</td>
<td>Oron Gideon</td>
<td>Implementing Artificial Neural Network (ANN) for Assessing Water Availability in Natural Reservoirs: Supplying Water for Irrigation in Dry Regions</td>
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<td>10:30-11:00</td>
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<td>11:00-11:15</td>
<td>Palouso Taru</td>
<td>Simulation of winter wheat yield and its variability in different climates of Europe: A comparison of eight crop growth models</td>
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<td>11:15-11:30</td>
<td>Vucetic Visnja</td>
<td>Apple phenology and application of Utah model in Croatia</td>
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<td>11:30-11:45</td>
<td>Susnik Andreja</td>
<td>Use of WiniSAREG model and Standardized Precipitation Index (SPI) in the detection of agricultural drought in the frame of DACSEE</td>
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<td>11:45-12:00</td>
<td>Roeter Raimund</td>
<td>Simulation of spring barley yield and its variability in different climates of Europe: A comparison of nine crop growth models</td>
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<td>12:00-12:15</td>
<td>Laic Branka</td>
<td>Using results of modelled yield deviation and indices of weather extremes towards a better yield assessment - current state of research</td>
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<td>12:15-12:30</td>
<td>Kubu Gerhard</td>
<td>Use of ASCAT Data for Crop Model Application - A Case Study from Austria</td>
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<tr>
<td>12:30-12:45</td>
<td>Brunini Orvaldo</td>
<td>Stochastic Modelling of the Extreme Minimum and maximum Air Temperature Series of Campinas, State of Sao Paulo, Brazil: A Non-Stationary Approach</td>
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<td>12:45-14:15</td>
<td>Lunch</td>
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### Poster session

**Lecture room: Zamosk 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** Lunch
- **13:00-15:30** Transport to Bratislava and Vienna airport (people who are leaving)
- **13:00-13:30** Transport to Topolcianky (people who are attending ET and/or MC CAGM meetings)
- **14:00-18:00** ET meeting
- **19:00** Dinner