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**POLJOPRIVREDNI
FAKULTET**
UNIVERZITET U
NOVOM SADU
(PFNS)



UNIVERSITÀ
DEGLI STUDI
FIRENZE

DISPAA
DIPARTIMENTO DI SCIENZE DELLE
PRODUZIONE AGROALIMENTARI
E DELL'AMBIENTE



**UNIVERSITÄT FUER
BODENKULTUR**
WIEN
(BOKU)

$A_gM_{net}^+$ INTERNATIONAL SUMMER SCHOOL IN AGROMETEOROLOGY AND CROP MODELLING 2017

Time: 9 - 14. July 2017

Venue: Faculty of Agriculture, University of Novi Sad
Trg D. Obradovića 8, Novi Sad, Serbia

SCIENTIFIC PROGRAMME

SS2 will include **lectures by invited speakers and focus lectures** which will be held on Monday and dedicated to: challenges in agrometeorological research, application of crop models in tactical and strategic decision-making in farming systems, modeling of intercrops, agrometeorological measurements and applications, case-study on cold spell and snowfall, rules on crop yield forecasting and introduction to AQUACROP model. **Exercises** will take place in three parallel sections, from Tuesday to Thursday, on agrometeorological measurements, basics of crop modeling and numerical weather prediction. Students – attendees of SS2 will present their results in a common section, which will be followed by a discussion, on Friday morning. Thereafter, a round table dedicated to science and education, involving all participants of SS2, will take place.

Sunday, 9.7.2017

18:00-20:00 Ice breaker (Botanical garden of the Faculty of Agriculture)

Monday, 10.7.2017

9:00-10:00 Registration of participants (in front of the room P1)

10:00-11:00 Opening and welcome (room P1)

11:00-11:30 Coffee break (Festive hall, 5)

11:30-13:30 Introductory Lectures (for all students) – Invited speakers (room P1)

11:30-12:00 Challenges in agrometeorological research and application – Rene Gommès

12:00-12:30 Application of crop models in tactical and strategic decision-making in farming systems - Ahmad Manschadi

12:30-13:00 Modeling intercrops: overview of models and approaches – Laurent Bedoussac

13:00-13:30 Evapotranspiration: Methods and Application – Levent Saylan

13:30-14:30 Lunch break (cantina at the Faculty of Agriculture, “Bašta”)

14:30-18:00 Focus Lectures I (for all students) (room P1)

14:30-15:00 Cold Spell and Snowfall in Serbia – April 2017: A case study - Ljiljana Dekić

15:00-15:30 Monthly and seasonal forecast application in agriculture: possibilities and limitations - Branislava Lalić

15:30-16:10 The three rules of crop yield forecasting – Rene Gommès

16:10-16:30 Introduction to AQUACROP model – Anna Dalla Marta

16:30-17:00 Coffee break (Festive hall, 5)

17:00-17:30 Agrometeorological measurements theory and practice I – Erich Mursch-Radlgruber, Josef Eitzinger, Levent Saylan

17:30-18:00 Agrometeorological measurements theory and practice II - Levent Saylan, Erich Mursch-Radlgruber, Josef Eitzinger

19.00- Departure to wine tasting event, optional, price 1000 RSD (around 8.3 EUR) (in front of Entrance no 3, 3)

Tuesday, 11.7.2017

9:00-9:45 Exercises in three parallel sessions: Problem solver challenge introduction

Agrometeorological measurements 1 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Basics of crop modelling 1 (A. Dalla Marta) and APSIM model: structure and application (A. Manschadi) (Meeting room, 7)

Numerical weather prediction 1 (Lj. Dekic) (Computer classroom, C1)

9:45-10:30 ***Reception by the Rector of the University of Novi Sad, organized for all participants of SS2 (Building of the Rectorate of UNS)***

10:30-10:45 ***Coffee break (Festive hall, 5)***

10:45-13:00 **Exercises in three parallel sessions: Problem solver challenge introduction**

Agrometeorological measurements 1 (L. Saylan, J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Basics of crop modelling 1 (A. Dalla Marta) and APSIM model: structure and application (A. Manschadi) (Meeting room, 7)

Numerical weather prediction 1 (Lj. Dekic) (Computer classroom, C1)

13:00-14:00 ***Lunch break (cantina at the Faculty of Agriculture, "Bašta")***

14:00-15:30 **Exercises in three parallel sessions: Problem solver challenge introduction**

Agrometeorological measurements 1 (J. Eitzinger, E. Mursch-Radlgruber, L. Saylan) (room P5 and Botanical garden)

Basics of crop modelling 1 (A. Dalla Marta) and APSIM model: structure and application (A. Manschadi) (Meeting room, 7)

Numerical weather prediction 1 (Lj. Dekic) (Computer classroom, C1)

15:30-16:00 ***Coffee break (Festive hall, 5)***

16:00-17:00 **Exercises in three parallel sessions: Problem solver challenge introduction**

Agrometeorological measurements 1 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Basics of crop modelling 1 (A. Dalla Marta) and APSIM model: structure and application (A. Manschadi) (Meeting room, 7)

Numerical weather prediction 1 (Lj. Dekic) (Computer classroom, C1)

18:00 – **Excursion for all participants (*departure in front of Entrance no 3, 3*)**

Wednesday, 12.7.2017.

9:00-11:00 **Exercises in three parallel sessions**

Agrometeorological measurements 2 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 2 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 2 (Lj. Dekic) (Computer classroom, C1)

11:00-11:30 *Coffee break (Festive hall, 5)*

11:30-13:00 Exercises in three parallel sessions

Agrometeorological measurements 2 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 2 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 2 (Lj. Dekic) (Computer classroom, C1)

13:00-14:00 *Lunch break (cantina at the Faculty of Agriculture, "Bašta")*

14:00-15:30 Exercises in three parallel sessions

Agrometeorological measurements 2 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 2 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 2 (Lj. Dekic) (Computer classroom, C1)

15:30-16:00 *Coffee break (Festive hall, 5)*

16:00-17:00 Exercises in three parallel sessions

Agrometeorological measurements 2 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 2 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 2 (Lj. Dekic) (Computer classroom, C1)

Thursday, 13.7.2017.

9:00-11:00 Exercises in three parallel sessions

Agrometeorological measurements 3 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 3 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 3 (Lj. Dekic) (Computer classroom, C1)

11:00-11:30 *Coffee break (Festive hall, 5)*

11:30-13:00 Exercises in three parallel sessions

Agrometeorological measurements 3 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 3 (A. Dalla Marta) (Meeting room, 7)
Numerical weather prediction 3 (Lj. Dekic) (Computer classroom, C1)

13.00-14:00 **Lunch break** (*cantina at the Faculty of Agriculture, "Bašta"*)

14:00-15:30 **Exercises in three parallel sessions**

Agrometeorological measurements 3 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 3 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 3 (Lj. Dekic) (Computer classroom, C1)

15.30-16:00 **Coffee break** (*Festive hall, 5*)

16:00-17:00 **Exercises in three parallel sessions:**

Agrometeorological measurements 3 (J. Eitzinger, E. Mursch-Radlgruber) (room P5 and Botanical garden)

Crop modeling 3 (A. Dalla Marta) (Meeting room, 7)

Numerical weather prediction 3 (Lj. Dekic) (Computer classroom, C1)

19:30- **Dinner for all participants** (Botanical garden of the Faculty of Agriculture)

Friday, 14.7.2017.

9:00-10:30 (Meeting room, 7)

Problem solver challenge put into a force: Agrometeorological measurements (by students)

Problem solver challenge put into a force: Crop modelling (by students)

Problem solver challenge put into a force: Numerical weather prediction (by students)

Discussion

10:30-11:00 **Coffee Break** (*Festive hall, 5*)

11:00-13:00 **Science and education round table** (Moderator: Igor Balaz) (Meeting room, 7)

We would like to draw your attention to **Science and education round table**, scheduled for Friday, July 14. Please, find in attached file supporting material and links to some TED lectures about education - important issue for all of us personally and professionally (https://www.ted.com/talks/ken_robinson_says_schools_kill_creativity; <http://sirkenrobinson.com/>)

13:00 Closing remarks (Meeting room, 7)

Lunch (cantina at the Faculty of Agriculture, “Bašta”)