POLJOPRIVREDNI FAKULTET
UNIVERZITET U NOVOM SADU
PFNS
DEPARTMAN ZA RATARSTVO I POVRTARSTVO

UNIVERSITÀ DEGLI STUDI FIRENZE
DISPAA
DIPARTIMENTO DI SCIENZE DELLE PRODUZIONI AGROALIMENTARI E DELL'AMBIENTE

UNIVERSITÄT FÜR BODENKULTUR WIEN
BOKU
DEPARTMENT FÜR WASSER-ATMOSPHÄRE-UMWELT

EUROPEAN COMMISSION
Horizon 2020
EUROPEAN UNION FUNDING FOR RESEARCH & INNOVATION

Workshop 2018

Overview of SSG activities

Ivana Maksimović

University of Novi Sad, Faculty of Agriculture

- **WP2-T2.3 Small study groups (SSG) establishment and guideline**
- "Let's study together“
- Communication among students
- To produce necessity to work together in order to solve specific problem
- Discuss with students their impressions about joint study work

- SSG students from partner countries will be invited to **SS1 and SS2** and will have opportunity to meet in person.
- **In the long term**, this approach can minimize the "crowding-out" effect, increase the mobility of students and researchers, and enhance the possibility of conducting joint long-distance studies.

- After initial limited success of first small study groups (SSG1) organized and curried out with undergraduate and master students, next attempt (in 2016/2017 school year) was successful.

During 2017 small study group was formed from Ph.D. students from all partner institutions.

The title of choice was **Climate change-induced abiotic stress affects agriculture** and the participants were:

Jorge Alvar-Beltrán, University of Florence, Department of Agrifood Production and Environmental Sciences, Italy

Leonardo Verdi, University of Florence, Department of Agrifood Production and Environmental Sciences, Italy

Sabina Thaler, University of Vienna (BOKU), Department of Natural Resources and Life Scieneces, Austria.

Milena Daničić UNSFA

Students prepared joint text of the paper and Power Point presentations.

The contents of the paper are:

1. General introduction,
2. Drought stress, Main drought effects on crops,
3. Heat stress, Main heat stress effect on crops, Strategies to mitigate heat stress, EU strategies to mitigate drought and heat stresses, Conclusion,
4. NaCl and heavy metal impact on crops, Main NaCl and HM effects on crops, Mitigation strategies of plants induced by salt and HM stress, Conclusion,
5. N deficiency stress on crops, Nitrogen deficiency effects on crops, Factors affecting N dynamics, Strategies to mitigate, N deficiency in plants, Combination of N/ water deficiency effect on crops, Combination of N/salinity deficiency on crops, Conclusion, Overal conclusion,
6. References

Serbia for Excell

European Commission

SSG in 2018

Title:

Impact of climate changes on plant growth and nutrition

Participants:

Carolina Fabbri (UNIFI),

Lukas Koppensteiner (BOKU),

Thi Mai Anh Tran (BOKU),

Milena Daničić (PFNS),

Tijana Narandžić (PFNS).

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The students prepared **joint paper and Power Point presentation**

Contents:

General introduction,

1) Spectral measurements and selected vegetation indices in plant production and climate change,
2) Climate change and crop growth,
3) Climate impact on xylem tissue in woody plants,
4) Managing nitrogen for sustainable development and its role in climate change,
5) Impact of the environment on uptake of micronutrients,
6) Conclusion and
7) References.