



Internationalization of higher education and introduction of Responsible Research and Innovation (RRI) concept in the framework of H2020 - TWINNING- SERBIA FOR EXCELL

Branislava Lalic (1), Ana Firanj Sremac (1), Branko Cupina (1), Svetlana Vujic (1), Mirjana Ljubojevic (1), Ivana Maksimovic (1), Marina Putnik Delic (1), Milena Danicic (1), Josef Eitzinger (2), Anna Dallamarta (3), Simone Orlandini (3), and Leonardo Verdi (3)

(1) University of Novi Sad, Faculty of Agriculture, University of Novi Sad, Department for Field and Vegetable Crops, Novi Sad, Serbia (lalic.branislava@gmail.com), (2) Institute of Meteorology (BOKU-Met), Vienna, Austria, (3) DISPAA, UNIFI, Florence, Italy

H2020 - TWINNING- SERBIA FOR EXCELL (www.serbiaforexcell.com) is a project devoted to people and science. Facing with significant brain drain of excellent postgraduate students at Serbian universities and potential "crowding out" effect at BOKU (Vienna, Austria) and UNIFI (Florence, Italy), TWINNING appears as an ideal opportunity to make further steps towards more profound internationalization of higher education, establishment of new research topics related to agrometeorology and ecophysiological research and to introduce new perspectives in RRI concept of faculties involved.

The main instruments of internationalization of higher education at SERBIA FOR EXCELL are: a) exchange of guest lecturers in the framework of ongoing courses between partner institutions which brings new perspectives and new teaching concepts to students; b) exchange of PhD students which had opportunity to work on their PhD thesis in new environments and c) preparation of joint teaching book in Agricultural Meteorology and Climatology which will be translated on national languages and used by agronomy students of all three universities.

As a result of intensive mobility of young and experienced researchers, new research topics "in the spotlight" are: a) application of extended, monthly and seasonal forecast in crop production and plant protection; b) broader use of crop models and incorporation of experimental results into existing modeling tools; c) intercropping and its impact on canopy micrometeorological conditions and d) environmentally related changes and shifts in fruit trees growth, development and yielding.

From very beginning of the project the main pillars of strengthening research capacities and anticipating potential implications and societal expectations, are closely related to particular thematic elements of Responsible Research and Innovation (RRI) such as: public engagement, open access and science education.