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UNIVERSITY OF WEST HUNGARY

NEWSLETTER (1)

COMPLEX ASSESSMENT OF CLIMATE CHANGE IMPACTS - PREPARING INTERNATIONAL R&D PROJECTS IN THE UNIVERSITY OF WEST HUNGARY

TÁMOP-4.2.2.D-15/1/KONV-2015-0023

The “**CLIMATE IMPACTS – Complex assessment of climate change impacts - preparing international R&D projects in the University of West Hungary**” project has been launched in order to develop research, management, infrastructure and education of the Faculties.

The scientific work is concentrating on climate change and its impacts on natural and agricultural ecosystems, which has a priority also in the EU. The aim is to establish research groups who will be able to write proposals for R&D projects of the European Union, with focus on Horizon2020 projects. Beyond researchers with various disciplines from the University, involvement of young scientists, PhD students and researchers from international research centres are especially supported. These inter- and multidisciplinary research groups and new partnerships will contribute to the enhancement of the research potential as well as to the sustainable knowledge transfer in the University.

The research is being carried out in the following work packages:

- A) The impact of climate change on natural ecosystems
 - A1) Methods for analysing climate change and its impacts on forest ecosystems
 - A2) The territory change of domestic insect species – direct and indirect effect of climate change
- B) The impact of climate change on agriculture
 - B1) Climate change impact on crop production
 - B2) Enhancement of crop safety and pesticide free crop protection – application of microalgae in crop production and protection
 - B3) IT system for supporting clean production technologies
- C) Application of renewable raw materials, renewable energy resources, life cycle analysis
 - C1) Effect of buildings on climate
 - C2) Wide-range applications of renewable raw materials
 - C3) Dendromass production
 - C4) Life cycle assessment
- D) Preparing biodiversity indicators and organizing a monitoring system for Hungarian forests
- E) Interdisciplinary research for identification of biodiversity in forest
- F) Effects of climate change on ecosystems – monitoring system development
- G) Social awareness, conflict management, challenges related to climate change

The duration of the project is 8 months, the consortium includes two partners (University of West Hungary and the Hungarian Academy of Sciences, Centre of Ecological Research). From the University of West Hungary the involved Faculties and Institutes are: Faculty of Forestry, Simonyi Karoly Faculty of Engineering, Wood Sciences and Applied Arts, Faculty of Natural Sciences, Faculty of Agricultural and Food Sciences, Faculty of Economics, Apáczai Csere János Faculty.



Európai Unió
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Fejlesztési Alap



BEFEKTETÉS A JÖVŐBE

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For detailed information please visit <http://klimahatas.nyme.hu>