

Subject: Training visits of researchers from Montenegro to international partner institution FoA

Place: Novi Sad, Serbia

Date: 30th August to 4th September, 2015

Procurement plan: Training, line 5

Training visit to Novi Sad is planned to provide a five-day meeting with training on climate change (CC) assessment skills to LOVCEN project researchers. Slavica Micev and Angel Marcev from IHMS will go to Novi Sad and participate in the training, which will take place at Faculty of Agriculture.

Training visit goals and activities WP1f and WP2a

Important issue which is foreseen as LOVCEN project goal is assessment of CC effects in Montenegro with particular attention devoted to Climate change impact on MV and MBD, adaptation and mitigation. This training targets experts from BTF and IHMS which should improve their skills related to analysis of current and future state of climate change in the region and Montenegro. This training also should equip them with executive knowledge related to application of CC assessment tools, application on past and future climate data and analysis of results.

In this, first phase of the second year of project special attention will be devoted to expected changes of precipitation and air humidity regimes and expected impact on agroclimatic conditions in Montenegro. Introduction to modelling strategy related to *Aedes albopictus* appearance will be also made. Through a combination of discussions, presentations and exercises the training provides the following learning outcomes:

- to get basic knowledge about climate model simulations of precipitation and air humidity under different green house gas (GHG) scenarios
- to make difference between precipitation and air humidity patterns obtained using different downscaling techniques and applicability of future climate data obtained using selected techniques for Montenegro
- to make complete past and future climate comparison for Montenegro
- to understand key concept behind *Aedes albopictus* appearance modeling
- to make presentation of obtained results.

This training has three main topics.

- ***Precipitation and air humidity trends.*** During this part of meeting with experts will be discussed scope of climate change models, simulation of precipitation, spatial and temporal trends, obtained results and possible deviation and weaknesses. Main features of commonly used GHG scenarios and different downscaling techniques with special attention devoted to dynamical downscaling and weather generators.
- ***Aedes albopictus appearance modeling - basics.*** Physical and Entomological background for basis *Aedes albopictus* appearance modeling will be presented.
- ***Exercises:*** Discussed concepts and techniques in analysis of weather data series of past and future climate will be applied on data measured at and simulated for selected weather stations in Montenegro.

Main goal of this visit is to proceed towards agriculture/(MV and MBD) detailed CC assessment studies for Montenegro.

Arrival date: 30th August, 2015

Departure date: 4th September, 2015