

## **SCHOLARSHIP REPORT**

Name: **Milan Fischer**

Home university: **Mendel University in Brno**

Host university: **University of Natural Resources and Life Sciences, Vienna**

Host institution : **Institute of Meteorology**

Date of stay: **Winter term 2010/2011**

My three months long scholarship at BOKU started at the 1<sup>st</sup> of October 2010. My stay at BOKU took place especially at Institut für Meteorologie under the prof. Josef Eitzinger. Most of the time at the workrooms of the institute, where I discussed with prof. Eitzinger and his colleagues the problematic linked with special micrometeorological measurements used for assessing of water balance in field measurement and worked on publication with the same topic - "Fischer, M., Trnka, M., Kucera, J., Zalud, Z. Biomass growth and water consumption linkage in short rotation poplar coppice (*Populus nigra* x *p. maximowiczii*) in the conditions of Czech Moravian Highlands: Submitted 26 of November 2010 to Acta Universitatis Agriculturae et Silviculturae Mendeleianae Brunensis, Brno". In this work I used the obtained experience due to scholarship concerning soil moisture measurements and also Bowen ratio system for measuring evapotranspiration. Secondly I spent my time at localities of the institute where the net of micrometeorological systems is spread. Due to this I have got a lot of practical experiences regarding placing and adjusting the meteorological sensors, their functions, principles of measuring and their errors and restrictions. Further, I was introduced to prof. Peter Liebhard from Institut für Pflanzenbau und Pflanzenzüchtung and we started to cooperate in the topic of short station coppices and generally the topic of crops planted at arable land for energy use. We settled on starting measuring the water balance and its relation to biomass growth at his localities situated in different soil and climate conditions in cooperation with Institut für Meteorologie at the beginning of the next year 2011 to get more referential data. Furthermore, I started to cooperate with prof. Eduard Hochbichler and his team from Institut für Waldbau, visited their localities where I have got in touch with forest 'measuring techniques and practics and mainly arranged the further cooperation in field measuring and possible' publication activity during the year 2011. Finally, I have turned the profit of BOKU library where I have found many scientific papers suited to my research and my Ph.D. thesis. The end of scholarship Will be at the end of December this year (31.12.2010) and already now I am sure that it brought me a lot of new experiences which I will make use of them in order to write my Ph.D. thesis with more detailed and more professional manner and especially I established many contacts which I will profit of them in

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my future research. At the end I would like to say thanks to the scholarship that I have got so  
Unix occasion for stay at such lovely place as Vienna is.