

Certificate of USDA Internship Completion



Let it be known the during the summer of two thousand and eleven, Rafal Chudy successfully developed and completed a USDA Internship entitled "An economic comparison of alternative water supply sources across eastern Africa." The work was conducted in full accordance with USDA research guidelines and resulted in a significant advance in environmental service delivery for this region.

A stylized, handwritten signature in blue ink, likely belonging to Steven G. McNulty, positioned above a horizontal line.

August 2011

Steven G. McNulty
EFETAC Team Leader
USDA Forest Service





Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

Fakultät für
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To whom it may concern

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The confirmation of the internship carried out in the Centre of Wood Science at the Hamburg University

Herby, I confirm that Rafal Piotr Chudy (date of birth 31.03.1987) has successfully finished his internship within the framework of Deutsche Bundesstiftung Umwelt (DBU- German Federal Environmental Foundation) between 01.03.2012- 28.02.2013 in the Centre of Wood Science at the Hamburg University. Deutsche Bundesstiftung Umwelt is one of the largest Europe international programs for development and promotion of innovative and exemplary environmental projects.

Rafal Piotr Chudy is a prizewinner of the XV edition of the DBU Scholarship Program in Poland, which was announced under the auspices of former Ministry of the Environment, professor Andrzej Kraszewski.

The following confirmation letter has been issued at the request of Mr Chudy.

During the internship in the Centre of Wood Science at the Hamburg University, Mr Chudy was involved in the following activities:

- Research project about sustainable utilization of woody biomass in the European Union
- Comparison between timber market models and wood balances modeling approach (henceforth „gap. models). Timber market models and „gap“ models were represented by SubRegional Timber Supply Model (SRTS) and Wood Resource Balance (WRB) respectively. Strengths and weaknesses analysis was conducted of these two modeling approaches.
- Food and Agriculture Organization (FAO) database improvement and its application to Polish wood supply and demand situation. This project was done during Short-Term Scientific Mission at the Wood Technology Institute, in the Wood Industry Economics Department in Poznan, Poland between 03.12.2012- 21.12.2012 within the COST scientific program on Improving Data and Information on the Potential Supply of Wood Resources: A European approach from Multisource National Forest Inventories (USEWOOD).

- Research project about determination and evaluation of 'real' wood supply and demand situation in Poland. The project focused on methods and the procedure of processing of statistical information (data) concerning the markets in raw wood material and sawnwood in Poland.

Furthermore, Mr. Chudy used his time to improve his knowledge in following aspects:

- Analysis of the most important legal instruments which influence the functionality of forest and wood sector in Poland
- Study of wood supply chain management, organization and planning in Poland
- Analysis of the wood market in Poland, its trade, problems and future improvements
- Study of the optimal wood utilization in Poland and its environmental consequences
- Research on rules of wood sale, market barriers and potential improvements in Polish wood market

Mr Chudy carried work in a scientific team in the Centre of Wood Science at the Hamburg University, where he showed his abilities of analytical thinking, strong verbal and communication skills.

He was doing a subject that addresses a very actual problem for industry, policy and first of all research about sustainable utilization of woody biomass in the EU

In his actual work in my institute Mr. Chudy impressed me with his high motivation and willingness to cooperate in the institutes work. He led as well to some initiatives for future cooperation with Polish research institutes. He understood in a very short time our ongoing activities and showed a high interest to cooperate. I'm looking forward to finalize our plans in the upcoming months and I'm very optimistic that our cooperation will be successful.

Within short time he became a highly appreciated member of my team with an excellent potential to contribute to our work



Prof Dr. Udo Mantau
Director of the Centre of Wood Science

I hereby confirm that Mr Rafal Chudy from the Centre of Wood Science, University of Hamburg has stayed at our Wood Technology Institute, in the Wood Industry Economics Department in Poznan, Poland between 03.12.2012-21.12.2012.

The subject of the STSM was: ***"FAO database improvement and its application to Polish wood supply and demand situation"***.

The main purpose of the STSM was to:

- better understand potential problems and future improvements of Food and Agriculture Organization (henceforth FAO) database,
- try to determinate and evaluate 'real' wood supply and demand situation in Poland

The source of information was provided by FAO database, Wood Resource Balance model, the Central Statistical Office in Poland (GUS) and consultations/data from The Wood Technology Institute in Poznan. The work has been done thanks to Short Term Scientific Mission within the COST scientific programme on Improving Data and Information on the Potential Supply of Wood Resources: A European Approach from Multisource National Forest Inventories (USEWOOD).

During the STSM Mr Rafal Chudy proved to be independent and creative as regards the research issue he was faced with. Based on the literature search query that he carried out, he conducted series of consultations and interviews in the Wood Industry Economics Department at the ITD, which led him consistently to explanation of the methods and the procedure of processing of statistical information (data) concerning the markets in raw wood material and sawnwood in Poland. At the same time, he proved to be very inquiring, to have analytical skills and the ability to exemplarily organize his own research work.

It should be stressed that he has knowledge in the area of forest science, which he ably combines with knowledge of wood technology and the economic aspect of the researched issue. All this is reflected in a high quality of the Report on the STSM made by him. The Report is methodologically correct and presents more than satisfying content as regards the subject matter.

It should be added that Mr Chudy's involvement in work, his openness and sophistication contributed to model and friendly cooperation with the hosting research team.

The above evaluation, especially the arguments pertaining to the subject matter, is the reason why Mr R. Chudy's visit, carried out within the STSM of COST Action FP 1001, created additional basis for further, closer international cooperation in the area of improving the systems of statistical and economic information on the markets in wood and wood derivatives.

Yours sincerely,

Prof. Ewa Ratajczak

Director for Scientific Affairs
Head of the Wood Industry Economics Dept.
Wood Technology Institute, Poznan, Poland

Poznan, 7.1.2013