



European Network for the durable exploitation of crop protection strategies

IA3 Activity: Human resource exchange

ENDURE - Internal Mobility

Final activity report

(The form has to be filled in and sent to the activity leader – message should be sent to his p.a. elisa.scanzi@ibaf.cnr.it – within 15 days after the end of the visit)

Topic of the visit

Conducting a survey on farm level in Denmark, United Kingdom, The Netherlands and Germany, in order to make more precise and detailed economic description and analysis of different cropping systems and their respective crop protection methods, which are classified according with two dimensions of pesticide use: intensity (high and low) and innovation (high and low).

1. Information about researcher and sending partner

Name and surname: Hernández, José

Professional status: *PhD Student*

Sending partner: Agroscope Reckenholz-Tänikon Research Station ART

Institute/Department/Research Unit: Agricultural Economics and Engineering / Socioeconomics

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E-mail and phone number of the researcher: 0041(0)523683131

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Supervisor e-mail*: gabriele.mack@art.admin.ch

Supervisor phone number*: 0041(0)523683215

*Supervisor information only for PhD student, post-doc and junior researchers

2. Information about hosting partner

Hosting partner: 1. Humboldt University of Berlin
2. Julius Kühn-Institut

Institute/Department/Research Unit:

1. Division of Resource Economics of the Department of Agricultural Economics and Social Sciences at the Faculty of Agriculture and Horticulture
2. Institute for Technology Assessment in Plant Protection

Address: 1. Philippstr. 13, Haus 12, Raum 1.07, 10099, Berlin
2. Stahnsdorfer Damm 81, 14532, Kleinmachnow

Supervisor name*: 1. Prof. Dr. Dr. h. c. Konrad Hagedorn
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Supervisor e-mail*: 1. k.hagedorn@agrar.hu-berlin.de
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Supervisor phone number*: 1. 0049(0)3020936305
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* For senior scientist indicate the name of the collaborating colleague

3. Information about the visit

Duration: *(number of weeks or months)* 2,5 weeks

Starting date: 26.05.2008

Ending date: 11.06.2008

4. Description of the activities and outcomes

Background and context: *maximum 10 lines*

1. Discussion of the state-of-art of the research project is an instrument to improve the methods applied and to ensure the quality of the scientific work.

2. The availability of statistical data containing actual quantities of pesticides applied in crop production is limited, normally statistics are based on sold quantities and are dissimilar in coverage among countries. Therefore, and with the aim of making policy recommendations the collection of more precise data at regional level is mandatory.

Objective: *maximum 10 lines*

1. To get supervision from the doctoral committee of the division of Resource Economics. To attend sessions of the Research Colloquium organized at the division of Resource Economics.

2. To obtain a first draft of a questionnaire that will be employed to collect data on pesticide use during the second phase of ENDURE. To improve the quality of the questionnaire through the scientific advice of experts on pesticide use evaluation.

Activities carried out: *maximum 20 lines*

1. Discussion with the Professor Hagedorn about the research project and the doctoral thesis. He recommended to apply the "Institutional Framework and Development Analysis" theory to improve the definition of the analytical framework and consequently ensure that answers with scientific valuable quality to the research questions will be obtained through application of the appropriate methodology. Preliminary talks with Dr. Volkmar Beckmann, who is a scientific member of the Division of Resource Economics, about his participation as co-advisor for the doctoral thesis. Participation in two sessions of the Research Colloquium ("Reasons for bioenergy engagements: preliminary reading of qualitative interviews with regional actors" by Melf-Hinrich Ehlers und „Fostering bio-innovation in Asia: knowledge gaps and challenges" by Dr. Rajeswari Raina), where methods and quality of these projects was discussed.

2. A first draft of a questionnaire to be applied at farm level on a written survey on pesticide use was developed. For the formulation of the questions and use of formats that are familiars for farmers Dr. Dietmar Rossberg, who is the Leader of the Program "Neptun" (network for evaluation of the use of pesticides in different natural areas of Germany) had given useful inputs and made valuable suggestions. Through Dr. Volkmar Gutsche the contact with the foundation that promote the fruit growing of fruit growing in the region of the Lake Constanze (Kompetenzzentrum Obstbau – Bodensee) has been established towards accomplishment of a survey during the second phase of ENDURE.

5. Links between visit activity and ENDURE

Describe links and relevance of your visit in relation to a specific ENDURE activity(ies) and sub-activity(ies) – maximum 15 lines

1. With the scientific work produced to fulfil the tasks proposed for the Research Activity 3.2: Analysis of economic driving forces in crop protection, a doctoral thesis will be written, to ensure the scientific quality of that works also implies that the deliverables elaborated for ENDURE have scientific acceptance.

2. The elaboration of an appropriate tool to collect information about use of pesticides is important to fulfil the activities proposed within the Research Activity 3.2. during the second phase of ENDURE. Similarly, for the proposed task that will be completed during the second phase of ENDURE, the cooperation of partners, in this case JKI, is fundamental.

6. Impact

Added value for the researcher: *maximum 10 lines*

1. As a researcher, it is important to get inputs to improve the quality of the work and to ensure that the doctoral thesis is written with scientifically accepted standards.

2. A know-how in the elaboration of questionnaires and evaluation of use of pesticides was acquired.

Added value for sending partner and hosting partner: *maximum 10 lines*

1. The production of scientific work is complemented.

2. Closely relations among institutions has been taken and planning about procedures to complete tasks during the second phase of ENDURE have been overtaken, which will help not only to complete the proposed activities, but also to ensure their quality.

Date of submission

17.06.2008



Dr. Maurizio Sattin
IA3 activity leader

Approved

