



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. federica.piccolo@ibaf.cnr.it – within 15 days after the end of the visit)

Topic of the visit

1. Information about researcher and sending partner

Name and surname: Andrea Veres

Professional status: post doc (*PhD student, post-doc, junior or senior scientist*)

Sending partner: SZIE

Institute/Department/Research Unit: Plant Protection Institute

Address: SZIE NVI Pater K. Street 1. H-2100 Godollo (*street, postal code, city*)

E-mail and phone number of the researcher: veres.andrea@mkk.szie.hu,
(36 30) 6404389

Supervisor name*:

Supervisor e-mail*:

Supervisor phone number*:

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

2. Information about hosting partner

Hosting partner: INRA

Institute/Department/Research Unit: INRA Avignon PHS

Address: INRA-Unité PSH Domaine ST Paul site Agroparc 84914 Avignon cedex 9
France (*street, postal code, city*)

Supervisor name*: Claire Lavigne

Supervisor e-mail*: claire.lavigne@avignon.inra.fr

Supervisor phone number*: (33 4) 32 72 26 66

3. Information about the visit

Starting date: 1th of April 2009

Ending date: 30th June 2009

Total duration (*number of weeks*): 12

4. Description of the activities and outcomes

Background and context:

The aim of the mobility was to further elaborate the already available GIS data from my PhD research work. These data are on habitats (greenhouses and other land cover features), and arthropod abundances measured by different methods. The arthropods are pests (*Franckliniella occidentalis*, *Thrips tabaci*) and beneficials (*Orius* spp., spiders). In line with the RA2.3 activity plans, a meta-analysis related to landscape ecology was carried out under the supervision of Claire Lavigne (INRA). The meta-analysis aimed to investigate the impact of the agricultural habitat structure at landscape level on the insect pest abundances and their suppression by natural enemies. The results were presented in the RA2.3 deliverable 2.9. Scientific publication in paper is in progress. *maximum 10 lines*

Objective:

The objective of the mobility was to profit of collaboration to publish the results of my PhD data and that of meta-analysis. *maximum 10 lines*

Activities carried out:

During the mobility period I was working on one scientific article about the meta-analysis. The submission of this manuscript is in progress.

The results of the meta-analysis were presented at the IALE2009 conference Salzburg, Austria (Tuesday 14 July 2009):

Short Workshop: 'The contributions of Landscape Ecology to the development of Integrated Pest Management' (<http://www.iale2009.eu/>),.

The title of the presentation: The effect of the agricultural habitat structure at landscape level on the insect pest abundance and their biological control

The results of the meta-analysis were presented at the RA2.6b Maize based system case study workshop in Pau, France 5th -7th July 2009.

The elaboration of my PhD thesis was agreed on with my Supervisor.

5. Links between visit activity and ENDURE

The results of the meta-analysis were presented both as an RA2.3 and an RA2.6b activity. Based on these results and also on the experiences at the IALE workshop we formulated some further activities for RA2.3 and some general conclusions for researcher in this topic. In collaboration with the RA2.6b we would give some inputs to their system evaluation with DEXipm. *Describe links and relevance of your visit in relation to a specific ENDURE activity(ies) and sub-activity(ies) – maximum 15 lines*

6. Impact

Added value for the researcher:

I could profit from the professional ambiance at the hosting institute, and from the wide research experience of my supervisor. I could work focused only on writing an article, without any other activities, so I could use my time efficiently. In addition to this I received deeper knowledge in French culture and the French language so at the end of my stay in Avignon I passed a DELF B1 language exam. I had a nice personal experience with the colleagues at the INRA as well.

By writing a meta-analysis article about landscape questions a broad overview is necessary for the better understanding of the processes. The collaboration in this mobility was between two institutes based on different ecological backgrounds due to the differences at landscape and agro-ecosystem level. So the discussions lead to a synergism between the different experiences. *maximum 10 lines*

Added value for sending partner and hosting partner:

Both the sending and the hosting partner institute profit from publishing a meta-analysis article together. The experiences of different regions allowed to formulate more relevant conclusions. In the small community of landscape ecologists where large scale dynamics has to be studied it is important to have contact partners from different regions. The effective collaboration provides opportunities for further projects. *maximum 10 lines*

Date of submission 3/11/2009



Dr. Maurizio Sattin
IA3 activity leader

Approved