

**Establishment of a European Information System on Forest Genetic Resources (EUFGIS)  
(009 AGRI GEN RES 870/2004)**

**EUFGIS Training workshop, Fredensborg, 12-14 May 2009**

**Summary**

The 4<sup>th</sup> EUFGIS training workshop for Northern Europe was held in Fredensborg, Denmark on 12-14 May 2009 with the following participants:

- Arne Steffenrem, Norway (national focal point)
- Inga Zarina, Latvia (national focal point)
- Remigijus Bakys, Lithuania (national focal point)
- Sven de Vries, Holland (national focal point)
- Maria Corolina Varela, Portugal (national focal point)
- Lena Yrjänä, Finland (national focal point)
- Michele Bozzano, Bioversity International
- Ditte C. Olrik, Denmark (organizer)
- Gunnar Friis Prochowsky, Denmark (organizer)

On March 12<sup>th</sup>, Ditte C. Olrik, the organizer of the workshop and the hosting project partner, introduced the EUFGIS project and explained in detail the minimum requirements and data standards for dynamic gene conservation units of forest trees. There was a brief discussion concerning some of the data standards among the participants. In the afternoon session, each participant gave an update on the current situation of existing national databases on gene conservation units. This update also included information about the formats of data that each of the participants brought with him/her to the workshop. Michele Bozzano then explained the functions and the intranet of the EUFGIS database.

On May 13<sup>th</sup>, Michele Bozzano presented the EUFGIS database. Michele Bozzano showed how data should be processed for the EUFGIS database and how data could be uploaded in the database. By using the Austrian data as an example, it was shown which criteria are the most important ones. Thereafter, the participants started to work with their own data and tried to upload data into the EUFGIS database. With individual support and guidance provided by Michele Bozzano, the participants quickly reached the ability to handle the EUFGIS database and used it for further testing of the upload mechanisms.

On March 14<sup>th</sup>, Michele Bozzano demonstrated other relevant data bases (EURISCO, SINGER) as well as different GIS softwares. Also, the participants continued yesterdays work uploading data to the database as well as tested the possibilities of the database. Finally, Michele Bozzano asked the participants for their feedback concerning the handling and organisation of the database. In particular, it was discussed which problems do still exist, which additional features should be implemented, and what the participants expect to do with the database. The following list the result of this discussion.

Problems and questions to be solved:

- What to do with units in which the access to geographical information is restricted? Should the exact coordinates be typed into the database and then afterwards be blurred? Or should the coordinates be blurred/masked before typed into the database?
- What to do with units that consist of different parts? If a unit consists of different parts – which criteria should be used to decide whether these parts can be belong to one unit or to separate units?
- How do we handle situations where data on elevation is not available? Should classes be incorporated into the system?
- What to do with units that change status? Should they remain in the database or be deleted? And should the history of a unit remain in the database?

After intensive discussions and an additional work with the EUFGIS database, the workshop ended in the late afternoon of 14 May 2009.

## Agenda

12 May 2009		
09:00	Opening of the workshop <ul style="list-style-type: none"> <li>● Welcome address (representative of the host institute)</li> <li>● Introduction to the workshop (agenda, purpose, etc.) (Ditte Christina Olrik, SNS)</li> <li>● Introduction of the participants</li> </ul>	Fredensborg
09:30	Update on the EUFGIS project and its activities <ul style="list-style-type: none"> <li>● Ditte Christina Olrik, SNS</li> <li>● Discussion</li> </ul>	
10:30	Coffee/tea break	
11:00	Updates on the national FGR documentation efforts <ul style="list-style-type: none"> <li>● 5-10 min by each EUFGIS Focal Point</li> <li>● Discussion and sharing of experiences/expectations</li> </ul>	
12:30	Lunch	Fredensborg
14:00	Pan-European minimum requirements for gene conservation units of forest trees <ul style="list-style-type: none"> <li>● Ditte Christina Olrik, SNS</li> <li>● Discussion</li> </ul>	
15:30	Coffee/tea break	
16:00-17:30	Data standards for the gene conservation units <ul style="list-style-type: none"> <li>● Ditte Christina Olrik, SNS</li> <li>● Discussion</li> </ul>	

13 May 2009		
09:00	EUFGIS information system (Michele Bozzano, Bioersivity International) <ul style="list-style-type: none"> <li>● Intranet demonstration</li> <li>● Web site demonstration</li> <li>● Database design</li> <li>● Discussion and feedback</li> </ul>	Fredensborg
10:30	Coffee/tea break	
11:00	Data processing for the EUFGIS information system (Michele Bozzano, Bioersivity International) <ul style="list-style-type: none"> <li>● Different file formats</li> <li>● Data structure</li> <li>● Data checking and quality</li> <li>● Data import / upload</li> </ul>	
12:30	Lunch	Fredensborg
14:00	Data processing and importing to the EUFGIS information system <ul style="list-style-type: none"> <li>● Processing of national datasets by the Focal Points</li> <li>● Hands-on training on data import / upload</li> </ul>	
15:30	Coffee/tea break	
16:00-17:30	EUFGIS information system and national FGR documentation efforts (Michele Bozzano, Bioersivity International) <ul style="list-style-type: none"> <li>● Adapting national databases and documentation work to the EUFGIS information system</li> </ul>	

	<ul style="list-style-type: none"> <li>• Development of a national database: what can the EUFGIS information system offer?</li> </ul>	
19:00 ?	Workshop dinner	Fredensborg

#### 14 May 2009

09:00	Demonstration of other relevant information system (Michele Bozzano, Bioversity International) <ul style="list-style-type: none"> <li>• EURISCO</li> <li>• SINGER</li> <li>• Crop Wild Relatives Portal, others?</li> </ul>	Fredensborg
10:00	Demonstration of GIS softwares (Michele Bozzano, Bioversity International) <ul style="list-style-type: none"> <li>• Google Earth / Maps</li> <li>• DIVA-GIS</li> </ul>	
10:30	Coffee break	
11:00	Data processing and importing to the EUFGIS information system (continued)	
12:30	Lunch	Fredensborg
14:00	Data processing and importing to the EUFGIS information system (continued)	
15:30	Coffee break	
16:00-17:30	Wrap-up of the workshop <ul style="list-style-type: none"> <li>• Lessons learnt and feedback</li> <li>• Instructions for further data processing work</li> <li>• Closing remarks</li> </ul>	