



Update of activities

November 2014

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Action 1-2 - Project Management and Project Monitoring

- PMa – PMo.

- Day by day coordination and management activities
- Coordination of different project activities and administration tasks.
- Preparation of the financial documentations for Slovenian part of the ManFor C.BD project.
- Preparation and conduction of a new meeting finalized to plan the Syn Tran Action outputs

Action 3 – Ecological connectivity, landscape patterns and representativeness of test areas

- ECo

- Literature review of best Forest management practices (BFMP) related to landscape
- Participation to the the Best Practice Manual planning meeting in Rome

- ECo SI

- Modelling of terrestrial measurements using lidar-derived raster GIS layers.

Action 4 Analysis and design of forest management options.

- AnDeFM

- Participation to the the Best Practice Manual planning meeting in Rome.

- AnDeFM-SI

- Preparation of the material for the final report; calculations of growing stocks, increment and other dendrometric data.
- Calculation of basal area and tree density from NFI plots (2002, 2007 and 2012) located inside extensive ManFor areas – as a reference values for comparison with the ManFor research plots.

Action 5 Implementation of forest management options in the test areas.

- IMP

- Participation to the the Best Practice Manual planning meeting in Rome.
- Routine surveys (meteo) at the site of Pennataro - Montedimezzo (Molise region);
- Building up the ACCESS database (in progress)
- Data processing

Within this action, in order to study the results of forestry measurements obtained during this project, a forest simulator is currently under development. This simulator is based on the well known forest simulator SILVA developed by Prof. Hans Pretzsch and colleagues at University of Munchen. During the previous months the physiological part of the simulator has been implemented while in this last month we implemented the spatial competition part. That is, for every simulated tree an index is calculated based on distance and size of neighbouring trees. This index will be used as a modifier in the equations describing diameter and height growth of trees. However, in order to get reliable simulations we still need to model the stochastic component of growth. This point will be achieved during the next month.

- IMP-SI

- *There were no activities in this month.*

Action 6 Assessment of indicators related to carbon cycle of managed forests.

- ForC

- Participation to the the Best Practice Manual planning meeting in Rome.
- Sample processing
- In the following sites the listed operation have been done:
 - In site 01 the following measurement on the soil have been performed:
 - Soil fluxes
 - Moisture
 - Temperature
 - Soil sample collection
 - Dead wood measurement
 - In site 03 the following measurements on the soil have been done:
 - Soil fluxes
 - Moisture
 - Temperature
 - Soil sample collectiontemperature

- ForC-SI

- End of measuring soil respiration on the plots and preparing equipment for next season.
- Collecting data on temperature regimes on the plots.
- End of the second soil sampling (replication after logging) at all Slovenian test sites. .

Action 7 Assessment of indicators related to forest biodiversity.

- ForBD

Sub-action 2 Assessment of Fauna Diversity

- Invertebrate:
 - Participation to the the Best Practice Manual planning meeting in Rome.
 - sorting of ground beetle samples, collected in Cansiglio between May and September, was continued. In addition, we carried out further analyses on ground beetles data for 2013 samples from Lorenzago.
 - Finishing of the database of sorted specimens for the samples collected in 2013. Preparation of dry mounted specimens for the species identification
- Vertebrate:
 - participation to the the Best Practice Manual planning meeting in Rome.
 - ultrasound analysis and bat species identification Sampling at site 04
 - data elaboration of last sampling on Salamandrina perspicillata
 - sampling at Pennataro-Motedimezzo site (Salamandrina perspicillata)
 - data elaboration of last sampling on Salamandrina perspicillata
 - analysis of the components of the birds nest
 - investigation in site 01
 - environmental surveys at the sites of location of bird nest boxes
 - archiving bird data collected during the breeding season in 2014
 - bird data processing

Sub-action 3 Assessment of Plant Diversity

- There were no activities in this month.

Sub-action 4 - Assessment of dead wood

In the month of November 14, the database on ex-post sampling activities, already completed in the last summer, was integrated and analysed. Particularly, at the current DB already available, the dead components sampled by the the research unit of CRA (Arezzo) were added, e.g. the standing dead trees, snags and all the girdled plants that will supposedly die in the next years.

Moreover, statistical tests were applied on the deadwood data, comparing the overall databases of ex-ante and ex-post situation. Finally, for each study area, comparison on deadwood amounts were also realized between the different areas referred to the single thesis: the comparison were realized before the silvicultural intervention and after them..

- ForBD-SI

- Analysis of structural diversity indexes on the stand level.
- Analysis of data on the plant species diversity (comparison of state before and after logging) for all test sites.
- Determination of carabid beetles species sampled at Slovenian test sites.

Action 8 – Demonstration Areas.

- Dem

- There were no activities in this month.

- Dem-SI

- Preparation of topics for the demonstration areas from the general forest inventory data and some findings from the research plots;
- Defining and elaboration of info tables for three demonstration areas;

Action 9 – SynTran – Synthesis and Transferability of Project Results.

- Preparation of the three “Manuals”: Best practice, Indicators and Manual for Regional interests (list of chapters and paragraphs, writing groups, etc.) is going on.

Action 10 – Communication and Dissemination.

- CD

- participation in a national television format (GEO, RAI3) to talk about the project MANFOR CBD.
- Update of the new web site

- CD-SI

- Cooperation with Slovenian Forest Service, Institute for Forest Pedagogics, and Biotechnical Faculty in preparation of different communication and dissemination activities (also in cooperation with LIFE GENMON project).
- Printing of the third issue of Slovenian ManFor novice (newsletter).
- Preparation of different publications and presentations.