



Update of activities

December 2014

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Italian part and final document: prepared by Bruno De Cinti (Technical Manager of the Project) and ManFor C.BD team members, Monterotondo (RM), December 31, 2014

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.
- Organisation of meeting on preparation of the Manual of Best Practice - based on project results (participants from Italy and Slovenia).
- Preparation of the financial documentations for Slovenian part of the ManFor C.BD project.

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

- ECo

- *There were no activities in this month.*

- ECo SI

- Improving of effective mesh size index with including more accurate layers (railways, regional, local roads...) into analysis.
- Participation to the Best Practice Manual planning meeting in Ljubljana

Action 4 Analysis and design of forest management options.

- AnDeFM

- *There were no activities in this month*

- AnDeFM-SI

- Preparation of the material for presentations; calculations of growing stocks, increment and other dendrometric data.

- Participation to the Best Practice Manual planning meeting in Ljubljana

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

- IMP

- Routine surveys (meteo) at the site of Pennataro - Montedimezzo (Molise region);
- Building up the ACCESS database (in progress)
- Data processing

- IMP-SI

- Participation to the Best Practice Manual planning meeting in Ljubljana

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

- ForC

- Sample (from various sites) processing
- Calibration of a statistic model able to evaluate the relation among organic carbon total nitrogen and soil spectral reflectance
- Site 04: soil cores description
- Site 01 and site 04: collection of incremental cores
- Site 01 and site 02: collection of litterfall (by funnel traps)

- ForC-SI

- Regular maintenance of field equipment and data-loggers from the field, and cleaning of equipment after the fieldwork.
- Collecting data on temperature on the plots.
- Preparation of the soil samples for analysis.
- Analysis of soils from the second sampling (replication after logging) in all test sites.
- Participation to the Best Practice Manual planning meeting in Ljubljana

Action 7 Assessment of indicators related to forest biodiversity.

- ForBD

Sub-action 2 Assessment of Fauna Diversity

- Invertebrate:
 - Preparation of dry mounted specimens for the species identification of the samples collected in 2013. Development of a database of species data
 - Sorting of ground beetle samples, collected in Cansiglio between May and September, was continued.
- Vertebrate:
 - ultrasound analysis and bat species identification
 - preliminary statistical analysis on bat activities
 - data analyses
 - meeting at the University of Genova: Final drafting of the manuscript on Salamandrina and submission to a scientific journal
 - planning of new ongoing scientific papers
 - Component analysis of the nest
 - repair nestboxes forest Feudozzo
 - archiving data collected during the breeding season in 2014

- Surveys Data Project Ornithological Italian MITO
- data Processing

Sub-action 3 Assessment of Plant Diversity

- Data analysis.

Sub-action 4 - Assessment of dead wood

- *There were no activities in this month.*

- ForBD-SI

- 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.
- Analysis of fine roots and mycorrhizae.
- Participation to the Best Practice Manual planning meeting in Ljubljana

Action 8 – Demonstration Areas.

- Dem

- In site 02 the track has been defined and the boards prepared to be assembled.

- Dem-SI

- Preparation of topics for the demonstration areas from the general forest inventory data and some findings from the research plots.
- Participation to the the Best Practice Manual planning meeting in Ljubljana
- Defining and elaboration of info tables for three demonstration areas at Slovenian sites
The situation is at the moment the following:

- Every forest complex has a general information notice board with project descriptions and a specific description of the situation before and after applied silvicultural measure. In the center of the figure is marked the suggested direction of the tour for visitors and description of the predominating tree species with applied measure on each and every subplot, specific for the forest complex (Tmovo, Snežnik, Rog).
- Next to the general panel a site-specific notice board with same design has been placed, where main emphasis was made on the project results. They have been structured into several groups – (1) forest inventory with situation before and after the applied silvicultural measure, presentation of the number of tree species before and after the measure with reference also to other forest complexes etc., (2) light conditions (illustrative) to highlight the importance of silviculturer's tool and temperature dynamics of the site with different intensity measure applied, (3) carbon stock (above, below, dead) vs. and illustrative soil respiration dynamics before and after the applied measure and (4) biodiversity indicators such as No of different plant species and birds before and after the applied measure. All above mentioned items may be presented along the illustrated walking trail / path and observed in every forest complex on the demonstration inventory plots. Main emphasis was made on the inventory and carbon stocks as we believe most of the observed (secondary) parameters are directly influenced/ affected by these and are also the main issue of the project work.
- Both panels act as a guided information outline for the visitors and also future researchers who would compare the conditions before and after the time lap on the desired plots. Detailed information is available on the official site, accessible by the link provided on every panel. Response of the local communities has been very positive at the time of the first setting of the info tables in May this year; interest has been shown also from the professional public (Slovenian Forest Service), particularly for the presentation of the results from different intensity measures.

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

- Preparation of the technical part of the Best Practice Manual planning meeting in Ljubljana
- Work on the other two “Manuals”: Indicators and Manual for Regional interests is going on.

Action 10 – Communication and Dissemination.

- CD

- Update of the new web site

- CD-SI

- Preparation of the fourth issue of Slovenian ManFor novice (newsletter).
- Preparation of different publications and presentations.
- Cooperation with Slovenian Forest Service in different communication and dissemination activities.
- Participation to the Best Practice Manual planning meeting in Ljubljana