



Update of activities

July 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.
- Organisation of the visit of three Slovenian test sites by the TerraData representative person with the aim to monitor the current field activities.
- Preparation of the financial documentations for Slovenian part of the project.
- Finalization of the 2nd Progress Report

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

- ECo

- Remote sensing data pre-elaboration

- ECo SI

- Analysis of new Lidar data (2013) for three Slovenian sites – state after logging, and modeling of data.
- Improving of the effective mesh size index with the inclusion of more accurate layers into analysis, e.g. railways, regional and local roads.

Action 4 Analysis and design of forest management options.

- AnDeFM

- last check of field data
- filling in gaps following inspections in the field after the completion of thinning trials and wood harvesting
- building up the ACCESS database (in progress)
- collection of available indexes in literature and choice of the most suited descriptors at the purpose of our analysis

- calculation of crown layer parameters
- spatial arrangement of crowns pre and post-practices implementation
- analysis of documents related to past management criteria where (read sites) management plans were available.
- analysis of supplementary info collected at the Preparatory phase at the UTBs and the Community forest of Lorenzago
- briefing about the rationale for the Manual of best practices.

- **AnDeFM-SI**

- No relevant activities have been carried out in this action

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

- **IMP**

- Implementation of forest management options in the test areas / July month / routine surveys (meteo) at the site of Pennataro - Montedimezzo (Molise region);
- Implementation of forest management options in the test areas / July month / Analysis of technical implementation of the “ageing areas”
- Implementation of forest management options in the test areas / July month / Project meeting in Arezzo concerning the implementation of the “ageing areas”
- Implementation of forest management options in the test areas / July month / data processing
- Implementation of forest management options in the test areas / July month / Tree marking operation at the site of Pennataro (Molise region)

- **IMP-SI**

- Preparation of database on deadwood and forest regeneration.
- Evaluation of data on coarse and fine woody debris, and types of deadwood after logging.
- Evaluation of data on forest regeneration (presence of young trees on plots).

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

- **ForC**

- For several sites: soil and litter samples preparation for chemical analysis
- In site 01 soil flux measurement has been done in order to define seasonal fluxes
- In site 02 the following operation have been done:
 - Soil fluxes measurement
 - Meteo data acquisition
 - Maintenance of measurement stuff
 - Litter bags repositioning (after winter)
- In site 04 the following operation have been done:
 - Classification of seven soil layers on soil samples
 - Preparation of a dataset in order to define the spatial distribution of soil carbon
 - Soil fluxes and moisture measurements

- **ForC-SI**

- Regular maintenance of field equipment and data-loggers on the plots.
- Maintenance of two sets of automatic chambers for dynamic measurement of soil respiration at Trnovo test site.

Action 7 Assessment of indicators related to forest biodiversity.

- ForBD

Invertebrate:

- Laboratory analysis of the samples collected in Lorenzago di Cadore (site 3) and Vallombrosa (site 7) to identify and sort the target families of Coleoptera and Diptera.
- Sampling activities in Pennataro (site 5) through direct catch and attractive traps for the target insect groups.
- Other two fieldwork sessions have been carried out (4-7 and 23-26/07/2014) in the Cansiglio site for collecting ground beetles sampled by pitfall traps and replacing bottles for the following sessions.

Deadwood:

- ex-post measurements (deadwood, flora and microhabitats) in site 02.

- ForBD-SI

- Second field assessment of the plant species diversity (after logging) at selected vegetation plots at all Slovenian test sites.
- Determination of carabid beetles species sampled at all Slovenian test sites.
- Study of literature related to impacts of forest management on Natura 2000 birds species.

Action 8 – Demonstration Areas.

- Dem

- Site 01 (Cansiglio):
 - the authorization to show the protocol of official national inventory has been granted from the Corpo Forestale dello Stato. the last panel of the path is in press and will be exposed within the end of the August (the path is anyway already operative)
 - training to the local personnel in order enable them to lead groups of visitors/students the Area Dem.
- Site 02 (Chiarano Sparvera): the panels are ready administrative procedures, in order to commission the print work, are in progress
- Site 04 (Mongiana): the panels are ready administrative procedures, in order to commission the print work, are in progress
- General panels for all sites are in press

- Dem-SI

- There were no activities in this month

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

- Finalization of the new web site. It is on line
- Dissemination of the book “I custodi della natura”:
<http://www.cnr.it/eventi/index/evento/id/13734>, this event has been organized.
- Up-dating of the Facebook page

○ CD-SI

- Development of tools for visualization of forest stands and effects of forest management practices/sylvicultural measures.

- Preparation of meteorological database for analyses of ice storm and its effects on selected forest stands.
- Analysis of meteorological conditions on three Slovenian test sites during ice storm on February 2014.
- Analysis of drought stress indices, soil features and regeneration patterns in forest canopy gaps in Dinaric fir-beech forests at Kočevski Rog site.