



LIFE14 ENV/IT/000414
Demonstrating Remote Sensing integration in sustainable forest management
FRESH LIFE

ACTION C1
Local monitoring

Deliverable
Mid-term local monitoring

Firenze,
15/07/2017

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Aims

The aim of the action is to acquire information for quantitatively estimating the impact of the project actions in terms of the incremented sustainability of forest management in the study areas and, at the same time, to maintain the project activities in the different local sites on track respecting deadlines and deliverables.

The action is under responsibility of the coordinating beneficiary that acquire information from the responsible beneficiaries in the three demonstration sites also through the compilation of questionnaires, meetings and field visits.

Milestones e deliverables

In the Action C1, the following milestones and deliverables are expected:

<i>Name of the milestone</i>	<i>Deadline</i>
M1 – Final local monitoring status evaluation	01/09/2019
<i>Name of the deliverable</i>	<i>Deadline</i>
D1 – Mid-term local monitoring report	31/07/2017
D2 – Final local monitoring report	01/09/2019

Progress

According with the project proposal, the indicators of progress for this action are:

- frequency of meetings and field visits with local stakeholders;
- % of scheduled deliverables and milestones;
- % incremented area with Sustainable Forest Management (SFM) in each study area;
- number of SFM indicators calculated in each study area.

Frequency of meetings and field visits with local stakeholders

Each university team, in coordination with AISF, is responsible for the supervision in the local sites of its competence. By frequently meetings and field visits with the local stakeholders, they maintain the project activities on track respecting deadlines and deliverables. From the beginning of the project, meetings and visits concerned not only the project schedule but also important technical topics like the existing data acquisition (Action B.1), the new data acquisition (Action B.2) and the organization of workshops, seminars and meeting (Action D.6). With the new data acquisition completed, the next intensive period of collaboration and supervision with the local stakeholders will take place at the beginning of Action B4, when the Forest Information System will be installed. Meanwhile the local monitoring will be carried out routinely.

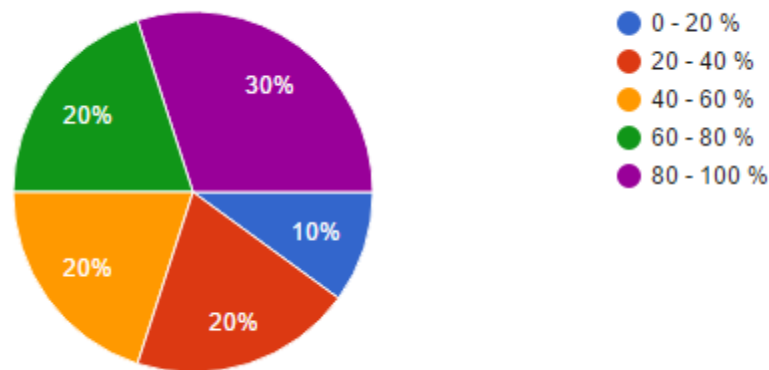
% of scheduled deliverables and milestones

AISF is monitoring all the activities of the beneficiaries making sure that the responsible for the implementation of the actions are doing their work on schedule with the project's indication. Until now all the deliverables and milestones were reached in time with what is indicated in the project proposal.

% incremented area with Sustainable Forest Management (SFM) in each study area

The analysis of the % incremented area with sustainable forest management in each study area has not started yet because the actions of group B, which must provide the necessary tools for monitoring the changes in forest management of the demonstration sites, are not concluded. An important step in this direction was made by the submission of the first project questionnaire that

allowed us to estimate the actual amount of area managed with SFM. Here below a figure that summarize the answers of the forest managers at the question: "Which % of the forest area managed by your organization follow the indications of Sustainable Forest Management (SFM)?"



The figure shows that only a small part of the demonstration sites follows the rules of SFM, these data are an important starting point for evaluate the project impacts in term of % incremented area with sustainable forest management.

Number of SFM indicators calculated in each study area

Regarding the evaluation of the number of SFM indicators calculated in each study area, up to now four indicators were estimated in each area by Action B3: “Defoliation (# 2.3)”, “Forest damage (# 2.4)”, “Tree species composition (# 4.1)”, “Area covered by introduced tree species (# 4.4)”. The mapping of the fifth indicator “Growing stock (# 1.3)” is in progress by UNITUS, which is the responsible of action B3. More details about the indicators are provided in chapter 6.1.3 of the Mid-Term Report.

Demonstration site	growing stock (# 1.3)	ground biomass (# 1.4)	number of tree species (# 4.1)	area covered by introduced tree species (# 4.4)	defoliation (# 2.3)	forest damage (# 2.4)
Rincine	X	on going	X	X	X	X
Caprarola	on going	on going	X	X	X	X
Bosco Pennataro	on going	on going	X	X	X	X

Table 1 - Progress in the estimation of SFM indicators for each study area (X = done)