



MED

(2007 - 2013)

Priority-Objective 2-2

Axe 2: Protection of the environment and promotion of a sustainable territorial development

Objective 2.2: Promotion and renewable energy and improvement of energy efficiency

PROFORBIOMED

(Ref : 3658 / 1S-MED10-009)

Promotion of residual forestry biomass in the Mediterranean basin

Progress report #3

Submitted version

Period from 2012-03-01 to 2012-08-31

Slovenian Forestry Institute

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1. Realisation per component

1. Work package 0: preparation costs only

Describe achievements done for this component

2. Work package 1: Project coordination

Describe achievements done for this component

2 representatives of SFI (Tina Čebul and Nike Krajnc) took part at third project meeting in Kastoria, Greece in May 2012

SFI prepared technical and financial report

SFI took part in Skype meeting with project coordinator

3. Work package 2: Information and awareness raising

Describe achievements done for this component

SFI prepared and send to WP leader:

Slovenian version of project leaflet

A short presentation of the project was prepared in Slovenian language

A presentation of the project is available on SFI home page (www.gozdis.si)

SFI took active part in preparation of "Set of Amendments to be included in the regulation of the European Parliament and of the Council to support rural development by the European Agricultural Fund for Rural Development (EAFRD) in the frame of the new CAP (Common Agricultural Policy)". Legal representative of SFI signed this document.

We helped LEA in translation of Amendments to Slovenian language.

Slovenian version was send to Minister for Agriculture and environment - Franc Bogovič, and to EU Parliament members from Slovenia (Tanja Fajon, Romana Jordan, Jelko Kacin, Mojca Kleva, Lojzet Peterle, Ivo Vajgl, Milan Zver ter Zofija Mazej Kukovič)

4. Work package 3: Capitalisation and long lasting effects

Describe achievements done for this component

SFI prepared project poster in Slovenian language. Poster was used in several events organised in the frame of PROFORBIOMED project.

Project ideas were promoted at the biggest fair of agriculture and food industry in Slovenia and the neighbouring region of four countries, Gornja Radgona from Saturday, 25th, to Thursday, 30th August 2012. At the fair project poster and leaflets were presented and disseminated to target groups.

5. Work package 4: Setting up of integrated strategies for the development of renewable energies

Describe achievements done for this component

State of the art report – for wood biomass preparation and use was published and it is available at internet. At the moment report has more than 240 pages. All partners prepared report for their states or regions. SFI prepared also Introduction to this document.

SFI prepared a ppt presentation of WP4 and all pilot actions (PA). This was presented at project meeting in Kastoria.

An over view on all pilot action was prepared and send to all partners

A special template was prepared for each pilot action – main partners and all partner involved in the action inserted some data about pilot action and inserted next tasks and deadlines for them – this “monitoring tables” enables us to monitor the progress in WP4 (per PA and per partners involved in each PA).

Report is presented by each PA:

PA1.1 Assessment of the structural diversity of forest habitats: SFI gave comments to proposed common methodology (template).

PA1.2 Development of a Geo-Information System for the Potential Forestry Biomass Management: SFI completed the questionnaire about development of a Geo-Information System. Data from Forest inventory (2007) were gathered and presented; information's about forest road network were checked and presented in questioner.

PA1.3: Assessment of forest biomass production: Template was prepared by PA 1.3 leader. SFI gave some comments to general methodology and prepared one example for technology description. We also gave comments on the second questionnaire - Template for common description of pilot action and technology and we filled in the template for our test plots.

In Slovenia 4 test areas were selected – for covering the whole range of different forest conditions. At each area 2 plots (0,25 ha) were selected with similar forest conditions with the objective to compare different systems of felling, using the same type of technology.. We selected plots in areas where forest owners decided to start with regular cut. On selected plots trees for cutting were selected and marked (by local forester). On all plots production of roundwood and green wood chips was planned. On the first plot production of green wood chips was promoted and on the second plot production of roundwood including the one with smaller diameter was promoted. For studies of technologies used for extraction of forest residues, time studies have been set up and carried out. First data will be published as oral presentation at annual meeting FORMEC in October 2012. Data will be gathered and presented in prepared template.

PA1.4 Assessment of the environmental impact of forest biomass harvesting or extraction: Measurements of harvesting operation on test plots were already completed. Now we are collecting data on these plots to monitor the impact of whole tree utilisation on nutrients in selected forests types. We gave comments on proposed methodology from main partner.

PA1.5 Development of a system of traceability of the biomass: We reviewed the situation in Slovenia on standardization of wood fuels. We sent comments about our situation to main partner. We filled in template for best practise examples.

PA1.6 Demonstration plots with short rotation energy plantations: We prepared forms for measuring of plantations of fast growing trees in Slovenia.

On our test plantation we organized study tour, on which there were 8 participants from Germany.

An article about data from our test plantation was prepared and published in Slovenian professional magazine. With the measurements carried out on selected plantation, the production potential of two different clones (Salix sp., clone Tordis and clone Inger) as an alternative energy source was determined. The measurements were performed three years in a row. Growing

stocks of Inger and Tordis clones in the second year of coppice growth (2011) were 7.98 m³/ha and 10.57 m³/ha, respectively. The increment between the first and second year of coppice growth of Inger and Tordis clones were 6.40m³/ha and 8.54m³/ha, respectively. The amount of biomass yield produced in the second year of coppice growth for Inger and Tordis clones were 4.58 t atro/ha and 3.49 t atro/ha, respectively, indicating an improvement of biomass yield compared to the previous year.

PA 2.1 Preparation of pre-feasibility projects of a small or medium size biomass plant or district heating/cooling system: We gave comments on prepared methodology (Template for preparation of feasibility studies on heating and cogeneration).

PA2.2 Presentation of existing good practice examples of forest biomass use: We gave comments to prepared templates and we are planning activities in this pilot action. Possible good practice examples were analysed and some data already gathered.

6. Work package 5: Renewable energies as an opportunity for local and regional economies

Describe achievements done for this component

SFI gathered national data about forests, forest owner associations, biomass potentials, biomass users and producers as required by WP leader (xls file).

Together with LEA we identified the key stakeholders and planned some events – data were inserted in Guidelines for WP5, as requested by WP leader.

We already organised 3 demo events in which modern technologies for wood biomass preparation and use were presented to our target groups (forest owners, farmers and decision maker at local and regional level).

Demo events organised were:

1. Ljubljana (25.5.2012):

Last week of May is always national Week of forests. This year we dedicated closing day to promotion of research activities among general public. The event was called “Forest and wood connections”. Most of the demonstrations were held from 10am to 5pm and it was open for general public. After the opening ceremony we prepared some demonstrations for forest owners and general public. There was demonstration of tractors John Deere and demonstration of safe work with a chainsaw, what attracted many observers. The representative of the SFI gave a brief presentation on modern technologies of wood biomass preparation and use. There were also some young participants from primary school; they had a chance to get to know more about our work. We also had a stand on this event, where PROFORMBIOMED was presented. We estimate that during the day there were more than 300 participants visiting our stand.

2. Mala Breza, Laško (29.6.2012):

Goal of this event was to present possibilities of modern wood biomass production. At the DEMO event modern machinery for wood chips preparation and presentation of machines for firewood production and harvesting were presented. Target group was forest owners who are interesting in wood biomass production and investments in modern energy systems.

During the meeting we have lead a presentation of machinery and have more one-to-one meetings with persons interested in wood biomass production and investments in district heating and cogeneration. We estimate that there were more than 100 participants.

3. Laze pri Dramljah (30.6.2012)

a Tractor forum, the 5th in a row, was held on Saturday, June 30th 2012 on a farm Korenjak in place Laze, Dramlje.

Participants had a chance to see many interesting exhibitors, such as New Holland, Pottinger, Steyr, Stihl, Posch, Krpan.

Although the main attraction were disc mowers and rotary tedders, shown in practical demonstration with tractors New Holland and Steyr. Work with firewood machine Posch and chipper Eschlböck, their operation and efficiency, was presented.

As part of events agenda Forestry and Wood Middle School Postojna demonstrated safe work with a chainsaw. Beside the demonstrations of wood processing machinery, the representative of SFI gave a brief presentation on use of wood biomass in Slovenia and possible investment in wood heating systems. There were more than 700 participants.

For all events organised in the frame of PROFORMBIOMED we prepare separate report with short report from event, invitation, pictures from event and media coverage of the event.

SFI together with LEA is organising a technical workshop for representatives from local communities in Ajdovščina (in October 2012).

7. Work package 6: Intelligent energy management systems at local and regional level

Describe achievements done for this component

2. Publishable information on project (for Programme Med website and general external communication activities)

2.1 Description of activities, outputs and results since the project start

In the frame of preparation of: "State of the art report for wood biomass preparation and use in participating regions or countries" a comprehensive overview on wood biomass sector in Slovenia was prepared, data about market situation in last year's were gathered and analysed. In the frame of different pilot actions we prepared common methodologies and in some cases already started with field work. Some dissemination activities were already organised, 3 DEMO events with more than 1000 participants were organised.

2.2 Description of activities, outputs and results during the reporting period

Our main activities in this reporting period are concentrated in WP4: Setting up of integrated strategies for the development of renewable energies

In this WP we started with activities in all pilot actions. For each pilot action a common methodology was prepared and discussed among participating partners. SFI started in some pilot actions with field work.

Important task in this reporting period was also promotion of project ideas among target groups, that why poster, leaflet and short description of project in Slovenian language was prepared and disseminated among target groups at different national and international events. SFI organised also 3 larger DEMO events to bring modern technologies for production, preparation and use of wood biomass to local population. More than 1.000 peoples were reached, among which forest owners, farmers and representatives of local communities prevail.

2.3 Next steps to be taken

The most important actions in next period will be in the frame of all pilot actions (WP 4 and WP5). We will use common methodologies in select pilot areas and carry out the field work. In some case we will start with analysis of already gathered data and with dissemination of these results to selected target groups. We are planning to organise several workshops and trainings for local communities, farmers, forest owners and different experts.

2.4 Publishable material and eventual copyright

With the submission of these data, the project agrees that the programme uses this material for its communication activities



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