

greenGain project
Grant Agreement n°646443



D3.3

**“Interim reports on external stakeholder
commitment”**

30.06.2016

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About greenGain project

The greenGain project is looking for solutions to increase the energy use of biomass feedstock coming from landscape conservation and maintenance works (LCMW) carried out in the public interest. The main target groups are regional and local players, who are responsible for maintenance and conservation work and for the biomass residue management in their regions. Moreover, the focus will be on service providers - including farmers and forest owners, their associations, NGOs and energy providers and consumers.

The three year project which started on January 2015 is supported by the Horizon 2020, European program to foster research and innovative solutions in the EU. The project is gathering partners and researchers from Germany, Italy, Spain and Czech Republic. Researchers will map biomass potential coming from landscape conservation and maintenance work, various technological options to utilise it, identify possible obstacles and provide recommendations to a wide range of stakeholders in the EU 28.

Project coordinator



Project partners



Comunità Montana
Associazione dei Comuni
"Trasimeno - Medio Tevere"



About this document

This report corresponds to D3.3 “Interim reports on external stakeholder commitment” of greenGain. It has been prepared by:

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Summary (optional)

This deliverable D3.3 “Interim reports on external stakeholder commitment” refers to task 3.3 “Attracting and supporting external stakeholders to achieve their commitments to implement project results fostering LCMW” and describes how external stakeholders are attracted to contribute to greenGain and to implement elaborated recommendations and project results.

The implementation of project results in other regions than the model regions and the monitoring of their outcomes mean that respective stakeholders will be consulted about the opportunities in their region and will be supported by the project partners during the implementation of suitable greenGain results of WP4, 5 and 6. The monitoring results of the implementation will be used to refine the recommendations and guidelines prepared at the end of the project.

Because this deliverable was elaborated before the pilot experiences (task 5.4) started, project results or recommendations, which could be implemented in other regions than the model regions, can't be offered to stakeholders yet. Working out of feasible measures of project results for external stakeholders will start in the fourth quarter of the year 2016.

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1. Objectives

The objectives of the whole work package (WP) 3 “Creating an EU knowledge platform for LCMW feedstocks and reach the commitment of non-project LCMW stakeholders” are:

- Linking and coordinating EU 28 R&D, national and European projects and initiatives and to facilitate the access to scattered information on the (energy) use of feedstock from LCMW.
- Supporting EU 28 stakeholders arranging relevant LCMW information and organising a European network.
- Producing best practice guidelines with the purpose of stating recommended procedures, bottlenecks, constraints and barriers towards successful exploitation and ensuring the future use of the gained know-how from WP4 to 6 to be at the reach of the target stakeholders to be involved in future LCMW chains.
- Activating external stakeholders to confirm their commitment to implement project results at other locations in EU 28 than the model regions focused on in the greenGain project.
- Facilitating a vital exchange of information and experiences in between relevant players external to the project and between these external stakeholders and the greenGain project.
- Creating an EU expert network for a better and easier exchange of information for the use of feedstock of such kind.
- Bundling and spreading information gathered through network activities as well as by offering the greenGain results to the EU wide audience, aiming to build a long lasting active discussion, feedback and references’ platform.
- Raising awareness of potential regional authorities.
- Leveraging the commitment of the project participants but also to receive a confirmed commitment from external stakeholders to implement project results at other locations.

It is a main target of greenGain to transfer the gained and developed experiences and results from WP 4, 5 and 6, the steps achieved by the model regions and the adaptation of these to other European regions, to an EU wide group of stakeholders.

Therefore, the aim of task 3.3 is to receive a confirmed commitment from external stakeholders to implement project results also in other locations than the model regions and to monitor their outcomes. These outcomes can underline the project results and could make a real change to foster LCMW.



2. Attracting and supporting external stakeholders

2.1. Procedure

The commitment for implementing the project results also in other regions than the model regions should be gathered by attracting and supporting external stakeholders.

Following steps should be performed:

1. Consultation of relevant stakeholders active in the field of LCMW
 - during interviews performed within the project
 - during internal and external conferences and workshops
 - during research work (digital and grey literature)
 - during meetings of Local Working Groups or Stakeholder Working Groups
 - etc.
2. Activation of interest and dedicated contact with interested stakeholders
 - through purposive contacting
 - presenting greenGain and highlighting project outcomes and potential advantages of the implementation in his/her region
 - reference to our website with downloadable reports and to the Information Platform with the supply of all information and reports gained during the course of the project
3. Profound advanced information about national workshop, project results and recommendations
 - regularly send information like newsletters to already contacted and interested stakeholders to keep them informed
 - reference to information tailored to the needs of stakeholders
 - individual information
4. Active involvement in the national workshop(s)
 - as participant - payment of travel and hotel costs if agreement (see point 6 below) will be signed or is already signed
 - with an introductory presentation if appropriate
 - perhaps include discussion theme about his/her case in the course of the workshop, about the implementation and monitoring and about the potential outcomes and benefits (also to attract further stakeholders)
5. Working out of feasible measures of project results that can be implemented in their region/case/facility
 - adapt feasible proposals and highlight advantageous for stakeholder
 - discuss and work out the details with stakeholder
6. Ratification of Letter of Intent (LoI) or informal written agreement to implement dedicated recommendations



- by using attached Lol template, which can be adapted to the stakeholder
 - by an informal letter or email
 - before the implementation/monitoring starts
7. Monitoring of implementation
- will be gathered 6 and 12 months after a commitment has been obtained/Lol has been signed or the monitoring will be obtained during and 6 month after the implementation
 - will be considered in the final recommendations and report
8. Consent declaration for publication in greenGain publications and in the Expert Database
- signature of stakeholder on the provided Consent Declaration
 - publication of monitoring results in final recommendations and report
 - personal stakeholder data can be published on the Expert Database of the Information Platform

Possibly partners already performed one or more of the first four steps and attracted stakeholders during the past course of the project. In this case it should be evaluated by the respective partner if the stakeholder can and wants to implement greenGain results in his region/facility. If yes, the next steps should be taken. If the stakeholder does not have interest in implementing greenGain results, it should be clarified if he/she (still) wants to be part of greenGain by receiving the newsletters, by being invited to workshops, by participating in Local Working Groups or Stakeholder Working Groups, etc.

Apart from step 6 and 7 the steps can be mixed up if e.g. the stakeholder already agreed to implement project results (step 6), but also wants to be involved in a workshop (step 4) or the stakeholder already agreed to implement project results (step 6) before project partners works out feasible measures that can be implemented in their region/case/facility (step 5).

Once the contact to a stakeholder is established it is important to stay in contact and to inform the stakeholder regularly about results achieved new outcomes of the project (by email or personal meeting).

It is expected to achieve the commitments from a selection of up to 10 external stakeholders.

It is planned that the monitoring of the implementation will be gathered in two sessions, about 6 and 12 months after a commitment has been obtained. The monitoring sessions (see 3.2 Template for the monitoring) can be obtained through a personal meeting or by a phone call with the responsible stakeholder.

The first monitoring session, about 6 months after the commitment of the stakeholder to implement project results, will assess the execution of the new/adapted system or procedure and the changes in comparison to the prior situation. The second monitoring session, about 12 months after the commitment, has the aim to see if the new/adapted system or procedure is integrated and to check the improvements in comparison to the prior situation. It is also possible to monitor the implementation and to execute the second

monitoring session about 6 months after the implementation if it makes more sense. This could be the case if e.g. wood chips from LCMW should be used in cogeneration plants as new material and the feasibility has to be monitored or e.g. if an information day for LCMW service companies and logistic operators to present and integrate a new supply chain of LCMW biomass in a region has to be carried out by the government bodies and can be monitored by greenGain.

2.2.1 Project results

Project results, which should be implemented, will be developed in WP4, 5 and 6. Examples of results of the different WPs are explained in the following. Combinations or extracts of these can be modified and adapted to the special needs of the stakeholder. During the course of the project further recommendations and results will be elaborated, which also can be provided to the stakeholders for implementation.

In WP4 key success criteria of LCMW pathways will be identified for duplication in similar regions and adaptation to further biomass feedstocks and pathways in other regions. The datasets, retrieved during the assessment of the status quo of the occurrence and use of LCMW in the EU 28 (task 4.1), are validated and used to extend the bioenergy optimisation model developed in BioBoost. In the second step the model will be operated to identify key success criteria and options for transfer of LCMW. The scale of usage options ranges from local small scale heating pathways to regional pre-treatment from where the intermediates will be further transported to central, large scale conversion to final bioenergy commodities. Expertise in economics and technical background on various conversion pathways in the heat, power and biofuel sector will be used to model applicable conversion routes for biomass from LCMW. Results of WP4, which can be implemented in other European regions, are the modelling of key success criteria of existing pathways with the BioBoost-Tool and further guidance and presentation of chances and challenges in the respective region.

In WP5 main goals of implementing the pilot experiences are to spread the knowledge gained from the identified local feedstock sustainable supply concepts based on the biomass and sustainable assessment carried out (Task 5.3) and conversion pathways from the model regions and to allow cross-fertilization of ideas between model regions and other European regions. WP5 will support local authorities and target stakeholders in their planning of LCMW implementation for energy use, back-up their decision making and support and monitor pilot experiences.

In WP6 recommendations and guidelines for success will be developed recognising relevant policies and finance measures as well as measures for better public participation and governance in an EU 28 approach to build up sustainable supply chains with feedstock from LCMW. Public and private stakeholders along the supply chain of energy from LCMW biomass in the EU 28 will be supported by the general guideline about policy, finance and governance including aspects of public participation, which will be completed before the end of the project. Additionally, stakeholders, who were interviewees in WP6 can be individually supported through the assessment of barriers and problems identified during their interviews and through the elaboration of adapted solutions and recommendations.

In summary the implementation of project results in other regions than the model regions and the monitoring of their outcomes mean that respective stakeholders will be consulted



about the opportunities in their region and will be supported by the project partners during the implementation of suitable greenGain results of WP4, 5 and 6. The monitoring results of the implementation will be used to refine the recommendations and guidelines prepared at the end of the project.

2.2.2 Stakeholders

Main sources of possible stakeholders for this task will be the members of the Covenant of Mayors, LEADER's Local Action Groups or players, known through the long experience in the field by the project partner.

Further possible interested parties are local and regional stakeholders coming from project partner countries. Here the national partners are the responsible main contact.

In general the main target groups of greenGain also are addressed here: regional and local players, who are responsible for LCMW and for the biomass residue management in their regions & service providers – including farmers and forest owners, their associations, NGOs and energy providers and consumers (see table below).

Favourable attributes and conditions of regions of external stakeholders, where greenGain results can be implemented and monitored:

- other landscape than landscape of the model regions,
- new type of LCMW biomass, which can be adapted to the greenGain pathways,
- adaptable value chain (existing logistical steps, techniques, plants, material),
- experiences and data through past projects related to the greenGain topics,
- possible facilities to close and improve the value chain in neighbouring regions of the model regions,
- public acceptance and support by a strong local community which is interested in new and sustainable forms of energy production.

Table 1: Stakeholders *

Type of stakeholder	Description
Owner	Person, company, private institution or public body, who owns the land on which LCMW occurs, or having some legal bound for the execution of works
LCMW service co.	Companies able to execute the LCMWs, e.g.: forestry service companies
Logistic operator	Any stakeholder dedicated to handle, pre-treat and/or distribute biomass
Conversion plant	Plants producing energy and energy carriers like pellets, briquettes, pyrolysis oil, torrefied biomass, syngas, biogas, electricity and heat
Final consumer	Energy provider and consumer, which could be interested in the utilisation of LCMW biomass for energy production
Permitting authorities	Public body or service providing licenses, official certificates or documents granting authorization for execution of LCMW and the operation of conversion plants
Government bodies	Public administration carrying out the political direction and control

Social groups	Relevant social groups which may neither be owners, nor actors of the value chain, but which live in the area and may have some opinion: neighbour association, NGOs, ecologist groups, associations for local development, etc.
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* Adapted table from the document “Steps to attract stakeholders to participate in LWGs - Task 5.1 Methodology and steering of WP5” prepared by CIRCE, 27.05.2015

2.2.3 Current state

The following table displays the current list of stakeholders, whose region/case is predestined for implementing greenGain results. These stakeholders are already interested in greenGain and the responsible project partners are performing the next steps to receive their commitment to implement project results in their region.

Table 2: Potentially Interested Stakeholders

Name	Organisation	Country, Region	existing LCMW/biomass	Action/project result to be implemented	Responsible Partner	Steps performed
Ms. Delia Álvarez Alonso	Directora General de Prevención de Incendios Forestales Generalitat valenciana	Spain, Valencia	Fire prevention works; orchards, parks	to be determined	CIRCE	2
Mr Andrés Sebastián	Dryade Jardinería y Medioambiente	Spain, Valencia	Forestry operations, gardening	to be determined	CIRCE	2
Alexandrou polis	City council, Major	Thrace, Greece	Parks and gardens	to be determined	CIRCE	2
Davide Sabbadin	Legambiente Veneto, Legambiente Italy	Veneto, Italy	Any	Governance: collectively owned plants, community based investments	SOGESCA	3
Massimo Negrin	AIEL: The Association of Biomass Value Chain	Italy	Any	to be determined	SOGESCA	3
Peter Momper	AC Consult & Engineering GmbH	Germany, Mittelhessen	Hedgerows on banks	Potential new/optimised LCMW chain *to be defined in pilot projects*	COALS	2

Dr Christian Struve	BERNHARD JÖCKEL Innovation zum Erfolg	Germany, Hessen, Darmstadt	Grass cuttings & loppings from roadsides & private gardens, LCMW biomass from public areas transported to commercial/public collecting points	Close supply chain of	FNR	2
Hinrich Stolle	Private forest owner, landowner	Germany, Oldenburg	Maintenance of hedges around the estates and fields, pruning of trees and shrubs	to be determined	SYNCOM	3
Frederik Köster	LiPRO Energy GmbH & Co. KG	Germany, Oldenburg	Conversion of woodchips and other agricultural or landscape maintenance residues by the thermo-chemical gasification into high quality syngas	to be determined	SYNCOM	3
Marina Chioccarelli	CNR – National Research Council Roma Biomass research department	Italy, Rome	Forests resources, dedicated crops, breed; agricultural residues	Dissemination of results	CM-ACT	1
to be determined	Coop. Agricola S. Biagio	Italy, Emilia Romagna, Faenza	Green Areas cleanings; pruning and old plants of fruit trees, etc.	Test and application of new techniques. Value chain development.	CM-ACT	2
Roberta Pieri	ENAMA National Body for agricultural Mechanization	Italy, Rome	Forests, marginal areas, intensive agriculture residues	Dissemination of results	CM-ACT	1

All project partners are encouraged to continually engage further relevant stakeholders (step 1 of 2.1 Procedure) for this task during the subsequent work with externals in the different tasks of the project and at internal and external events.

Since this deliverable was elaborated before the pilot experiences (task 5.4) started, project results or recommendations, which could be implemented in other regions than the model regions, can't be offered to the attracted stakeholders yet. Working out of feasible measures of project results, which can be implemented in the stakeholders' region/case/facility (step 5) will start in the fourth quarter of the year 2016.

To ensure enough time for the planning by the stakeholders and the support by the greenGain partners, the commitment should be obtained latest at the beginning of next year.

The following table shows the timetable, which will be pursued to reach the aim of this task.

Table 3: Timetable for the implementation of task 3.3

Step	Action	Time
1	Consultation of relevant stakeholders active in the field of LCMW	continuously, but latest until M26 (02/2017)
2	Activation of interest and dedicated contact with interested stakeholders	continuously, but latest until M26 (02/2017)
3	Profound advanced information about national workshop, project results and recommendations	continuously, but latest until M26 (02/2017)
4	Active involvement into the national workshop(s)	M22 (10/2016), M24 (12/2016), M30 (06/2017)
5	Working out of feasible measures of project results that can be implemented in their region/case/facility	continuously, but latest until M26 (02/2017)
6	Informal commitment to implement dedicated recommendations	latest until M26 (02/2017)
7	Monitoring of implementation	latest until M31 (07/2017)
8	Consent declaration for publication in greenGain publications and in the Expert Database	latest until M32 (08/2017)

3. Appendix

3.1. Template Letter of Intent

(Adapt the template if needed and please (delete this red note), send this page to the stakeholder and ask him to fill in the yellow marked information and to sign it and email it to m.bergmann@fnr.de.)

Date [00/00/0000]

Support to *greenGain: Supporting Sustainable Energy Production from Biomass from Landscape Conservation and Maintenance Work*

With this letter of intent [Title, Name, Organisation], states his support to the consortium of the project *greenGain* coordinated by the Agency for Renewable Resources (FNR e. V.).

The [Organisation/Institution] is willing to implement suitable results of the *greenGain* project, to get advisory support and to allow the monitoring of the outcomes of this action by the project consortium, in order to contribute to reach the project goal and to foster the utilisation of biomass from landscape conservation and maintenance work for sustainable energy production.

I will provide necessary information, which are needed to elaborate feasible measures that can be implemented and I will make the agreed outcomes available for the purpose of the *greenGain* project.

I support the planned work, which was proposed by the *greenGain* project and I am looking forward to the results.

With best regards

[Signature]

Name

Role/Responsibility

Division

Organisation/Institution

Telephone:

Email:

Logo:



3.2. Template for the monitoring

Monitoring of the implementation of project results	
Name of the Stakeholder: Organization: Country: Expertise (field of activity): Contact details: LCMW Relevance: Links (optional): Tags for the Expert Database: Consent declaration signed: y/n	Name of the Region: LCMW case/ part of supply chain/ facility: Responsible Partner:
<p><u>Implemented project result:</u></p> <p>Please describe briefly which, why and how the greenGain results have been implemented by the stakeholder</p>	
<p>Time of implementation:</p>	
<p>Date of monitoring session 1: Date of monitoring session 2:</p>	
<p><u>Monitoring session 1</u></p> <p>Please assess the execution of the new/adapted system/procedure and the changes in comparison to the prior situation. Have improvements already been recognized? Please also describe challenges that hindered implementation and eventual solutions for deviation.</p>	
<p><u>Monitoring session 2</u></p> <p>Please describe if the new/adapted system/procedure is already integrated and if improvements have been recognized. Please also describe challenges that hindered implementation and eventual solutions for deviation.</p>	
<p>Monitoring results to be included in the recommendations and guidelines (task 3.5 and 6.4)</p> <p>Please provide a short summary of the implementation and its outcomes for the region. Please also describe challenges that hindered implementation and discuss solutions for deviation.</p>	

3.3. Consent declaration

Name and surname:

Organisation:

Position:

Address:

I consent to the treatment of my personal data in accordance with the Regulation (EC) No 45/2001 of the European Parliament and Council of 18 December 2000 on personal data treatment, in relation to the objectives of the project “greenGain - Supporting Sustainable Energy Production from Biomass from Landscape Conservation and Maintenance Work” and in particular (circle the chosen option):

1. The results of the monitoring can be quoted stating the name of the region and of my organisation in scientific publications, during workshops, meetings or conferences and in the recommendations and guidelines of the project.

Yes No

2. The results of the monitoring can be quoted in anonymous manner in scientific publications, during workshops, meetings or conferences and in the recommendations and guidelines of the project.

Yes No

3. My personal data can be used for sending me communications or other information related to the project

Yes No

4. My personal data can be published on the Expert Online Database on the greenGain Information Platform.

Yes No

Please add here any additional request you might have concerning data treatment:

Date:

Participant signature

Date:

Researcher name and signature

