

Topic 4 workshop

Smart natural resources management, from emerging uses as biomass to new challenges as environmental services payment

Thematic partner template

Name of the Project: WOODE3



Name of the Partner: CCI de la Drôme

Name of the speaker: Pascal MARCHAISON



TOPIC 4 workshop

- ✓ What's our capitalisation methodology?
 - ✓ What elements of your project need to be considered within the Medland deliverables?
 - ✓ What are the transferability conditions? (biogeographical context, socio-economic context)
- ✓ Be critical about your project (approach, methods, tools, implementation) :
 - ✓ What was good/what has worked? Why?
 - ✓ What did not work as expected? Why? How can it be corrected?
 - ✓ What are the mistakes/errors to avoid in the future? Recommendations?

Challenges and opportunities on each cross-sectoral component

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project expertise, describe shortly main conclusions for:

Topic 4: Smart natural resources management, from emerging uses as biomass to new challenges as environmental services payment

(add more slides if necessary)

Policy and decision makers from local, regional, and transnational levels should consider the following recommendations for developing biomass sector:

Social Pillar

“Rural and mountain areas have capability to create social cohesion and inclusion with the wood energy chains.”

- Qualification of manpower/training – C2
- Encourage associations of forest owners – C3
- Raising public awareness – C3
- Building consensus around environmental and social issues – C1
- Exemplary pilot projects for good practices reference – C2

Challenges and opportunities on each cross-sectoral component

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Environmental Pillar

"Incorporation of sustainable practices of forest exploitations"

- Carbon balance – C2
- Reward low emissions of CO₂ – C4
- Support sustainable forest management by encouraging environmental certification – C4
- Reliable information on the actual availability of forest biomass resources – C2
- Funding of forest harvesting with deficit in order to avoid the risk of overexploitation of some other forests – C4

Challenges and opportunities on each cross-sectoral component

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

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Economic Pillar

“Manage impacts of economic efforts of biomass harvesting”

- Better knowledge of the wood energy market – C2
- Structured supply forest biomass companies – C3
- Biomass contracts of supply: ensuring sustainability – C4
- Investments in infrastructure to improve the economic development – C4
- Premiums for the purchase of heating systems using wood/biomass energy – C4

Challenges and opportunities on each cross-sectoral component

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Governance Pillar

“A process of consultation and decision-making, which involves responsible actors for a common good.”

- Feasibility studies requirement before project approvals – C2
- Fostering institutional coordination between forestry and energy policies – C1
- Standardize different types of biomass – C2
- Promotion of biomass in public administration – C3
- Joint management between supply and production/sale of energy – C1

List of operational tools and best practices [Linked with the e.Book contents](#)

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project outputs, please mention shortly some operational tools or best practices/ experiences that could be linked with the corresponding topic (classify them by component if is possible):

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(add more slides if necessary)

1 – Carbon foot print calculator: The designed tool calculates the CO2 emissions derived from the removal, treatment and use of wood biomass of forestry origin – C2

2 - Impact Assessment Tool: The Impact Assessment Tool is an analysis tool which quantifies the goodness of biomass exploitation projects for energy purposes – C2

3 - Database: Provides information directed to stakeholders of the forestry sector or of the use of wood sector, and which could be useful to set up new initiatives in the use of biomass – C3

4 - Handbook on policy recommendations: This document gives concrete proposals based on examples (from pilots) on the most prevalent policy issues within the strategy developed in the framework of WOOD E3 project – C1

NB: All the main important WoodE3 outputs are summarized on the following link:

http://www.woode3.eu/images/stories/eng_brochure%20wood%20e3.pdf

Description of operational tools and best practices [Linked with the e.Book contents](#)

From your MED project outputs, please describe the operational tools or best practices/experiences that could be linked with the corresponding topic:

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(add more slides if necessary)

1 – Carbon foot print calculator:

Description of deliverable: The designed tool calculates the CO2 emissions derived from the removal, treatment and use of wood biomass of forestry origin. The tool covers the different processes, from the removal to the arrival in the plant, designating some CO2 emissions to each of the processes from the data introduced by the user, specifically the methods and machinery used.

Web link: <http://co2.ctfc.cat/>

Main Target group(s): Policy makers / SMEs in the field of Wood Energy / Forest owners and administration

Languages: EN/FR/ES/IT/SL/CAT

Publishing partner institution: Forest Sciences Centre of Catalonia

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Description of operational tools and best practices [Linked with the e.Book contents](#)

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(add more slides if necessary)

2 – Impact Assessment Tool:

Description of deliverable: The Impact Assessment Tool is an analysis tool which aims to support the decision-maker agents providing an instrument to quantify the goodness of biomass exploitation projects for energy purposes, including aspects related to the environment, the society or the economy.

Web link: <http://iat.ctfc.cat/>

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(add more slides if necessary)

3 – Database:

Description of deliverable: The data base of WoodE3 provides information directed to stakeholders of the forestry sector or of the use of wood sector, and which could be useful to set up new initiatives in the use of biomass: applicable legislation , stakeholders of the sector in the area, projects and facilities and interesting bibliography.

Web link: <http://woode3.ctfc.cat/>

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Description of operational tools and best practices [Linked with the e.Book contents](#)

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4 – Handbook on policy recommendations:

Description of deliverable: This document gives concrete proposals based on examples (from pilots) on the most prevalent policy issues within the strategy developed in the framework of WOOD E3 project. It informs policy and decision makers who are involved in all levels, from local to regional, about the conclusions of the WOOD E3 project and provides a sound instrument to policy-makers to revise the wood energy policy through a sustainable development.

Format: [Pdf document](#)

Main Target group(s): Policy makers / SMEs in the field of Wood Energy / Forest owners and administration

Languages: EN

Publishing partner institution: Region of Ipeiros

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Methodological recommendations [Linked with the e.Book contents](#)

Cross-sectoral components: C1. Governance and participation involvement; C2. Operational and R+D priorities; C3. Target group focused communication needs; C4. Financial needs and opportunities

From your MED project expertise, mention shortly some methodological recommendations for improving / enhancing a project proposition / development / transferring that could be linked with the corresponding topic (classify them by component if is possible):

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(add more slides if necessary)

C1. Governance and participation involvement

Funding for a new fuelwood project must imperatively take into account existing projects on the territory or being put in place to avoid future supply problems.

All the stakeholders must be consulted when there is a new project, especially to ensure that it may not be in competition with the industries using the same type of product. The forecast supply plan must be detailed.

Coherence among forest industry development and renewable energy policies. And among energy and environmental policies (taxes).

Methodological recommendations [Linked with the e.Book contents](#)

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C1. Governance and participation involvement

Promote the installation of wood heating in public institutions.

A major project of wood energy must be entirely assessed, including its social, environmental and economic impacts, through an extensive consultation with stakeholders.

Methodological recommendations [Linked with the e.Book contents](#)

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C2. Operational and R+D priorities

Training of all wood energy actors from forest harvesting to boilers maintenance so each one knows upstream and downstream the problems in its area of specialization.

Validation of a common tool for calculating carbon emissions related to the use of forest biomass in order to encourage short circuits.

Inventory, thanks to modern satellite detection tools, resources actually available taking into account the relief, roads, forest stands (and their revolution), sensitive preserved areas and the nature of private property.

Methodological recommendations [Linked with the e.Book contents](#)

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C2. Operational and R+D priorities

Establish a European standard for the different types of fuels (woodfuel log, chips, pellets) that are the basis of intra-Community trade negotiations (density, moisture content, PCI (Lower Calorific Value-LCV), minimum size, maximum ...).

Determine, by logging and biomass production technical itineraries, sequences of cost magnitude to encourage sorting sections when possible.

Methodological recommendations [Linked with the e.Book contents](#)

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C3. Target group focused communication needs

Communication campaign among private forest owners to encourage them to form an association and create forest management units to plan long-term potential of forest harvesting.

Communication campaign to explain to the citizens that the use of fuelwood does not destroy the forest.

Communication campaign to explain to the citizens that it is compulsory to respect instructions of use of wood heaters for proper combustion of wood and to avoid pollution.



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C4. Financial needs and opportunities

Investment aids for all companies in the industry for a balanced economic development.

Premiums/bonus for the purchase of heating systems using forest biomass.

Need of securing supplies by requiring the establishment of supply contracts and boosting the creation of businesses combinations.

Establishment of a financial aid system to unprofitable sections to avoid overexploitation of some forests.