Policy, Finance, Governance

Frameworks which increase market uptake of LCMW biomass

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 646443.
BANNING WOOD FOR ENERGY OVER 10 CM IN DIAMETER...

Did you find one which is good for bioenergy, Steve?

I've got a 9.9 cm branch here Jack—but the bottom end is 10.1

...any other great ideas?

(Source: AEBIOM)
Primary biomass demand in 2020 and biomass potential in EU Member States (MS)

Work plan in greenGain

1. Sustainability Assessment

2. Pilot Implementation

3. greenGain Approach

**Workpackage 3** – Creating and EU knowledge platform for LCMW feedstocks and reach the commitment of non-project LCMW stakeholders

**Workpackage 4** – LCMW feedstock potential and best usage in conversion routes to bioenergy

**Workpackage 5** – Pilot experiences for market supply of LCMW

**Workpackage 6** – Policies, Finance, Governance and Public acceptance

**Workpackage 2** – Communication and Dissemination

**Workpackage 1** – Project Management

21. 11. 2017

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Major aims in greenGain concerning framework conditions

i. map and assess the regional, national and EU 28 policy frameworks as well as financial barriers

ii. assess the availability of regional (renewable) energy plans and the inclusion of LCMW in current regional planning in target countries.

iii. assess structures and tools for good governance, preventing and mitigating conflicts

iv. elaborate strategies and policies for adequate public support to start-up with new businesses related to LCMW material management.

v. develop recommendations and guidelines as well as measures for better public participation and governance in a EU 28 approach.
Outputs of greenGain

i. Online literature database policies, finance tools, legal regulations, public support and good Governance
  
Deliverable 6.1

ii. Online expert interview database policies, finance tools, legal regulations, public support and good Governance
  
Deliverable 6.2

iii. Implementation plans for legal, finance, governance as well as public participation measures developed to be implemented in model regions
  
Deliverable 6.3

iv. Strategy paper for EU policy makers
  
Deliverable 6.4
<table>
<thead>
<tr>
<th>What works?</th>
<th>What could be improved?</th>
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</thead>
<tbody>
<tr>
<td><strong>Internal factors</strong></td>
<td><strong>Bottom up approach</strong></td>
</tr>
<tr>
<td>(control or direct influence by supply chain actors)</td>
<td>• Proposal for business models</td>
</tr>
<tr>
<td></td>
<td>• Application in model regions</td>
</tr>
<tr>
<td><strong>External factors</strong></td>
<td><strong>Top-down approach</strong></td>
</tr>
<tr>
<td>(no control or indirect influence by supply chain actors)</td>
<td>Recommendations for policy makers</td>
</tr>
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</table>
Spatial scattered

Seasonal scattered

Different types of biomass: woody, hearbeacious or a mix of both
Policy mechanisms relevant to biomass

“Filling the Gap” of future domestic biomass demand

Energy scenario for Germany 2050 not feasible only with biobased residual and waste materials

- RED Renewable Energy Directive /RED II
- NREAP National Renewable Energy Action plan
- EU biomass action plan
- LCMW???
- National action plans
- National environmental laws

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LCMW not included in any European framework!
Field of actions

- Political framework
- Governance
- Administrative issues (permission, regulations...)

- Transfer of knowledge and information
- Public acceptance

- Financial tools (subsidies, investments, funds etc.)

- Technical/practical concerns
- Developments/efficiencies
- Networking
- Standards

Legal framework

Financial support

Information for the general public

Strengthen and expand value chain/techniques
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
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<tbody>
<tr>
<td>Measure 1</td>
<td>Specifically define LCMW biomass and its types</td>
</tr>
<tr>
<td>Measure 2</td>
<td>Clarify responsibilities and task assignments of private and public actors along the whole value chain</td>
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<tr>
<td>Measure 3</td>
<td>Standardise procedures and regulations (permissions)</td>
</tr>
<tr>
<td>Measure 4</td>
<td>Include LCMW and the produces biomass in existing political frameworks and action plans</td>
</tr>
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</table>
Financial support to increase the market of LCMW biomass

<table>
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<th>Measure</th>
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<tbody>
<tr>
<td>5</td>
<td>Provide subsidies, investment grants and other public funds</td>
</tr>
<tr>
<td>6</td>
<td>Support feed-in tariffs</td>
</tr>
<tr>
<td>7</td>
<td>Administer producer tax and consumer fee incentives</td>
</tr>
<tr>
<td>8</td>
<td>Realise research funds, R&amp;D support for process/technique development and optimisation</td>
</tr>
</tbody>
</table>
Strengthen and expand existing value chains of LCMW (technical constraints)

Measure 9  Support tradable certificates for bioenergy producers, and define emission limits

Measure 10  Develop logistic platforms for consumers and operators

Measure 11  Support networking and cooperation management
<table>
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<th>Measure</th>
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<tr>
<td>Measure 12</td>
<td>Enhance clarification, awareness and integration of the general public</td>
</tr>
<tr>
<td>Measure 13</td>
<td>Distribute guidelines and best practices</td>
</tr>
<tr>
<td>Measure 14</td>
<td>Promote and educate lessons to be learned</td>
</tr>
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</table>
Public acceptance

- **Empower**
  - Referendum, citizens involved in the basic democratic process

- **Collaborate**
  - Decisions made with citizens and stakeholders (for selected projects)

- **Involve**
  - Citizens contribute their opinions in the preparation of decisions

- **Consult**
  - Information exchange between citizens and politicians, administration/farmer

- **Inform**
  - One way distribution of information

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Keep in mind!

1. **Flexible** to meet obstacles concerning seasonal and spatial fluctuations

2. **Dynamic** to be effective

3. **Long-termed** to allow developments and security for operators
Thank you for your attention!