

TRAINING SESSION ON END-USERS' CHALLENGES IN THE LOCAL VALUE CHAIN

INVITATION

Join us for an engaging and insightful Training Program on regional bioeconomy value chains

AGENDA SESSION #2

Tuesday 26 September 2023 from 9:00 am to 12:00 pm CEST

- 09:00 – 09:20** **Main room – Presentations in English**
Warm-up: Where are we located?
Presentation of selected biomass streams in the 6 SCALE-UP regions,
Frans Feil, Biomass Technology Group
- 09:20 – 09:40** **End-users' challenges in the local value chain:
Further building on the insights**
Magnus Matisons, Biofuel Region
- 09:40 – 09:55** **Biocarbon producer perspective on biomass supply and logistics,**
Tobias Brink, Business developer, Envigas, Sweden
- 09:55 – 10:10** **Biocomposites based on olive pruning fibers for automotive and
furniture. Industrial end-users and the creation of a biomass value chain,**
Juan Pablo Ferrer from FUNDACIÓN ANDALTEC (R&D+I technological center)
- 10:10 – 10:20** **Short break**
- 10:20 – 11:20** **Break-out rooms**
Moderated in your language by a facilitator in your region.
Collective discussion on the challenges and “state of the art” regarding the
end-user perspective in your region. See page 2 for questions.
- 11:20 – 10:30** **Short break**
- 11:30 – 12:00** **Main room – Presentations in English**
Feedback on the key outcomes and questions from the breakout rooms
Conclusions and presentation of the next session

Short survey: give your feedback on the training

BREAKOUT ROOM SESSION #2

- Topics to be discussed.

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The purpose of this session is to identify the most important challenges in your specific region that needs to be addressed. Some guidance for the discussions below.

Regional biomass resources: volumes and spatial distribution, seasonality

- Gross potential - How big share of the potential can realistically be economical available (techno-economical potential)
- Long term availability of biomass supply – How can this be secured?
- Barriers and solutions for biomass mobilization
- Suitable machinery and entrepreneurs available in the region

BIOHUBS

End users commonly need a continuous supply of biomass all year round, but supply of biomass can be seasonal or restricted during some periods of the year. To solve this challenge biomass can be stored in terminals (biohubs). In a biohub biomass can be sorted or upgraded to better suit end users' quality requirements. Biomass can also be reloaded to train or sea transport. Discuss suitable places for biohubs and what activities can take place there.

MULTI ACTOR PARTNERSHIP

Different actors are often involved in the biomass value chain, and it is important to facilitate information flow between them. Good understanding of different actor's roles is also important input into planning and strategic decision making. Discuss the organisation and role of multi-actor-partnerships.

SESSION 2 END USERS' PERSPECTIVE ON BIOMASS SUPPLY AND LOGISTICS

Continue the discussions above but from an end user's perspective. For investors it is crucial with long term availability of biomass supply – How can this be secured?

In this session we will also discuss more about the importance for end users to secure and measure the quality of the biomass. Below, I have listed some quality parameters. You can add more to this list. What are the most important parameters for your regional biomass resources and how can quality be measured and guaranteed?

- **Moisture content** – Effects transport cost and storability. Long term storage of biomass with a moisture content above 15-20 % is problematic as it promotes biological activity that can cause dry matter losses, fire and health problems.
- **Calorific value** – If used as a fuel
- **Contaminations** – Contamination in the form of stones and soil is common and often causes problems for end-user's processes and the feeding of the biomass into a biorefinery.
- **Content of specific compounds** (e.g. sulphur alkali) Process disturbing
- **Ash content** - Process disturbing
- **Particle size distribution** – Feeding of the biomass and processing
- **Freshness** – Some chemicals are volatile and can be lost during handling and storage. Chipping/ Crushing accelerates volatility.