



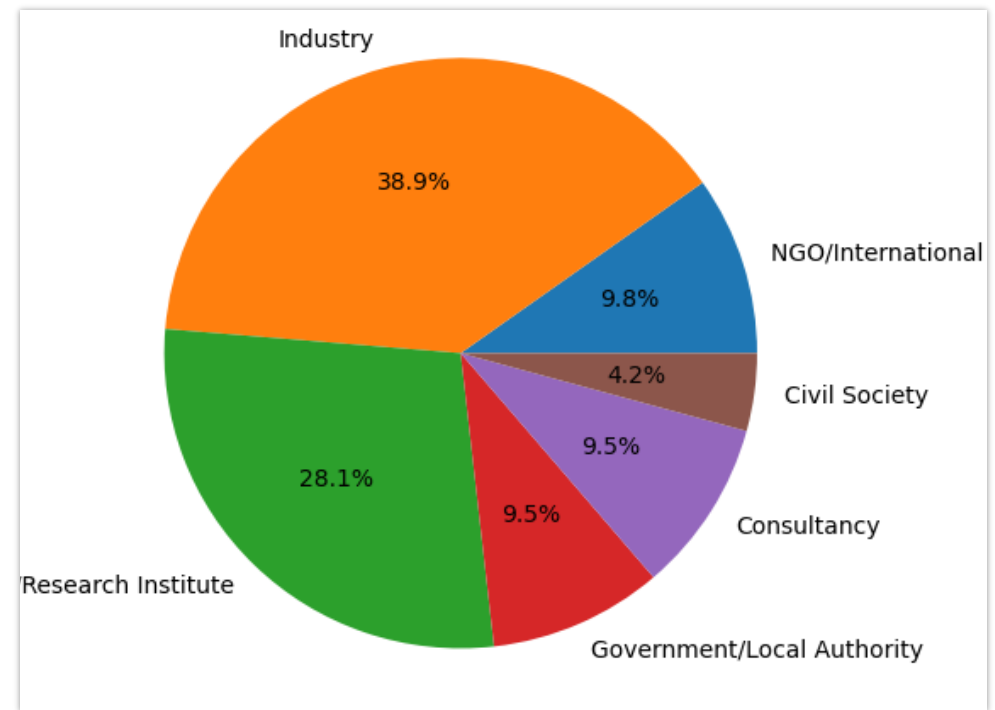
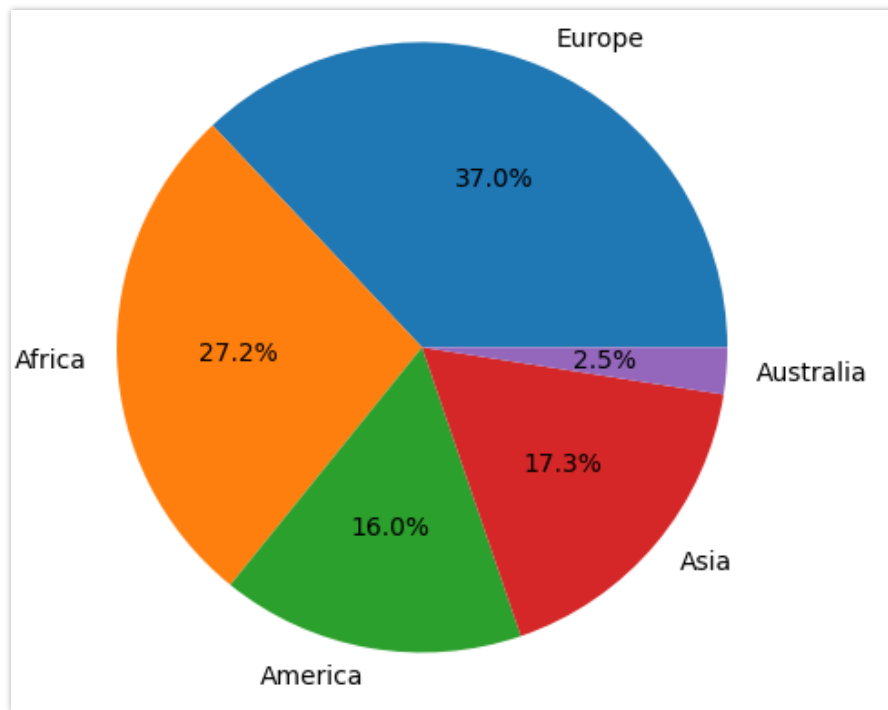
Webinar – Technologies for Efficient Conversion of Biomass to Heat and Power

- Part of a Spring Series (+ BioInt)
 - #1 : Biomass in EU Energy Security
 - #2 : Biomass pellets and Briquettes
 - #3 : **Biomass conversion to heat and power**
- Together with Bioenergy International
- More than 450 registrants from 90 countries
- All recordings and presentations available
- You can ask your **queries** through the chat





Registrations



World Bioenergy Association

- Global industry association based in Stockholm
- Established in 2008
- **Mission:** Promoting the sustainable development of bioenergy
 - International advocacy
 - Platform for engagement
- Members – Fuel producers, utilities, research institutions, equipment manufacturers, heating companies etc.
- Coverage: Solid, liquid and gaseous fuels



SUMMARY

Bioenergy plays a key role in mitigating climate change in all sectors of energy supply and the supply chains of biomass are crucial in order to realize the full potential of bioenergy. The technology offers a unique degree of flexibility compared to other renewable energy sources not only in the variety of feedstock, but also the various production pathways and products and its use in end-energy sectors of heating, cooling, electricity and transportation. The efficient operation of all components of supply chains including harvesting and collection, pre-treatment, upgrading, storage, transportation and handling is important to ensure a stable supply and reduce overall costs of the technology. This fact sheet focuses on supply chains of feedstock sectors including forestry and agriculture. The first step in the biomass supply chain is the harvesting and collection of feedstock in the forest or the agriculture field which are described in the fact sheet. In forestry, the system of felling trees with related machinery can be divided into two categories: cut-to-length and tree-length systems – each offering its own set of pros and cons. During harvesting of biomass from forest in conventional systems, it is important to take into account the higher energy content of the final feedstock. This will avoid challenges in the rest of the supply chain. For agricultural biomass, harvesting is usually done in easily accessible areas, but highly dependent on the seasonal variation of the agriculture sector.

Once the biomass is harvested and collected, pre-treatment is done to ensure a high standard of fuel which include drying and/or densification to pellets etc. Such processes ensure proper specifications of biomass including higher energy content and lower moisture content so as to facilitate ease of transportation and storage of the fuel. Various modes of transportation including road, rail and sea are used depending on the feedstock volume and cost of the transportation.

Feedback costs associated with supply chains form the major share of the total cost of the technology. The overall cost is highly cost-dependent and the successful management of the supply chain is critical for the success of any investment. Thus, improving the supply chains in terms of efficient harvesting, collection, pre-treatment, storage, transport and handling will unlock the immense potential of the technology source.



Membership



Associations



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Join Us

- **Membership** is open for all companies and associations in the field of bioenergy
- **Benefits**
 - Participate as speaker at various bioenergy events
 - Join WBA delegations to high level forums
 - Member publications (e.g. Bioenergy in India)
 - Participate in Working Groups to discuss bioenergy challenges
 - Support advocacy for sustainable bioenergy

Next Step: All registrants will receive video recording, presentation and link to join as a member



25/04: Critical Role of Bioenergy in Ensuring EU Energy Security



23/05: Biomass pellets and briquettes (CPM, Kahl, Andritz, C F Nielsen..)



22/06: Conversion technologies (Polytechnik, Justsen, ..)



09/10 – ...: WBA General Assembly (Bangkok, Thailand + Beijing, China)



30/11 – : COP28, Dubai

TECHNOLOGIES FOR EFFICIENT CONVERSION OF BIOMASS TO HEAT AND POWER

22 Jun, 2023
11:00 AM CET, WEBINAR

REGISTER NOW
Link in the description



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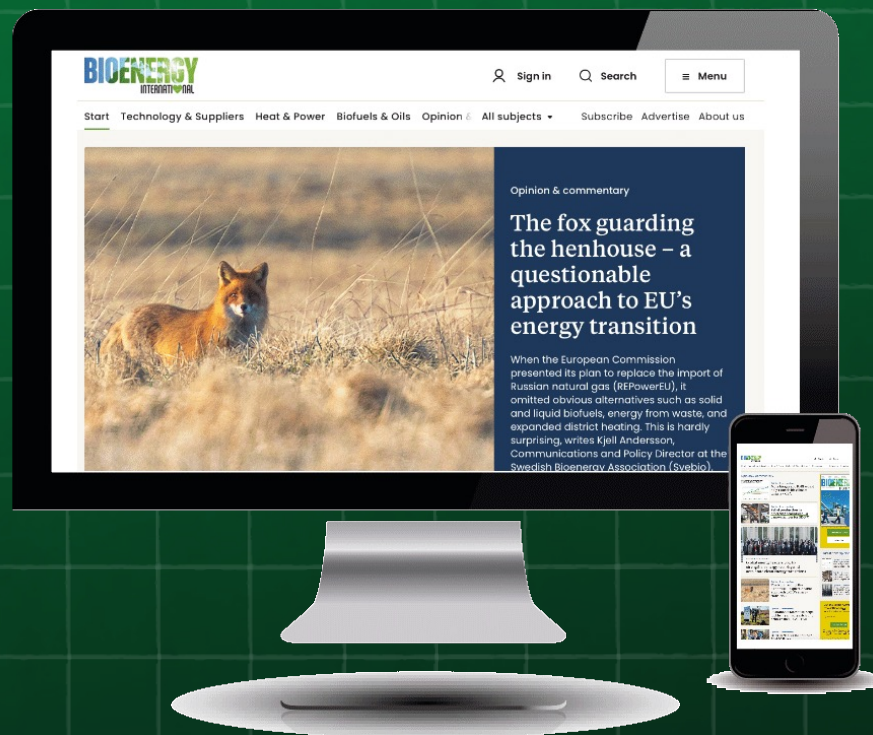
BIOENERGY INTERNATIONAL

2001-2023

**A subscription-based English language bioenergy trade
publication & media platform
focused on biomass-to-energy “value systems”**

- Founded in 2001, we (BioTrio - Jeanette, Dorota & Alan) operate as an independent entity within the Swedish Bioenergy Association (Svebio) since 2011
- Using the power of example, our brief is to advocate & promote the climatic, economic, environmental & societal benefits of “bioenergy done right”, highlighting its role as an integral part of the circular “glocal” bioeconomy





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