

# GREEN COOKING AS KEY FOR DEPLOYING MODERN BIOENERGY

26 Sep, 2023

Zoom

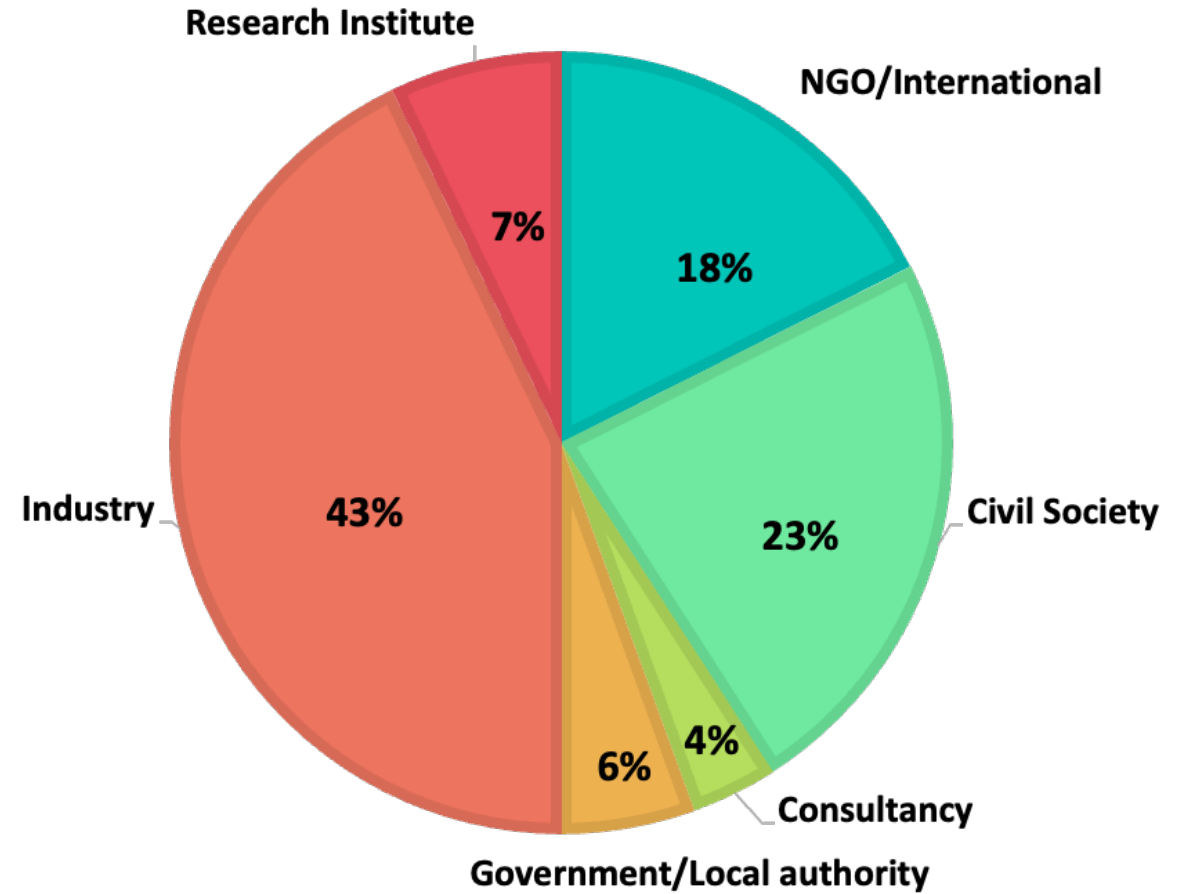
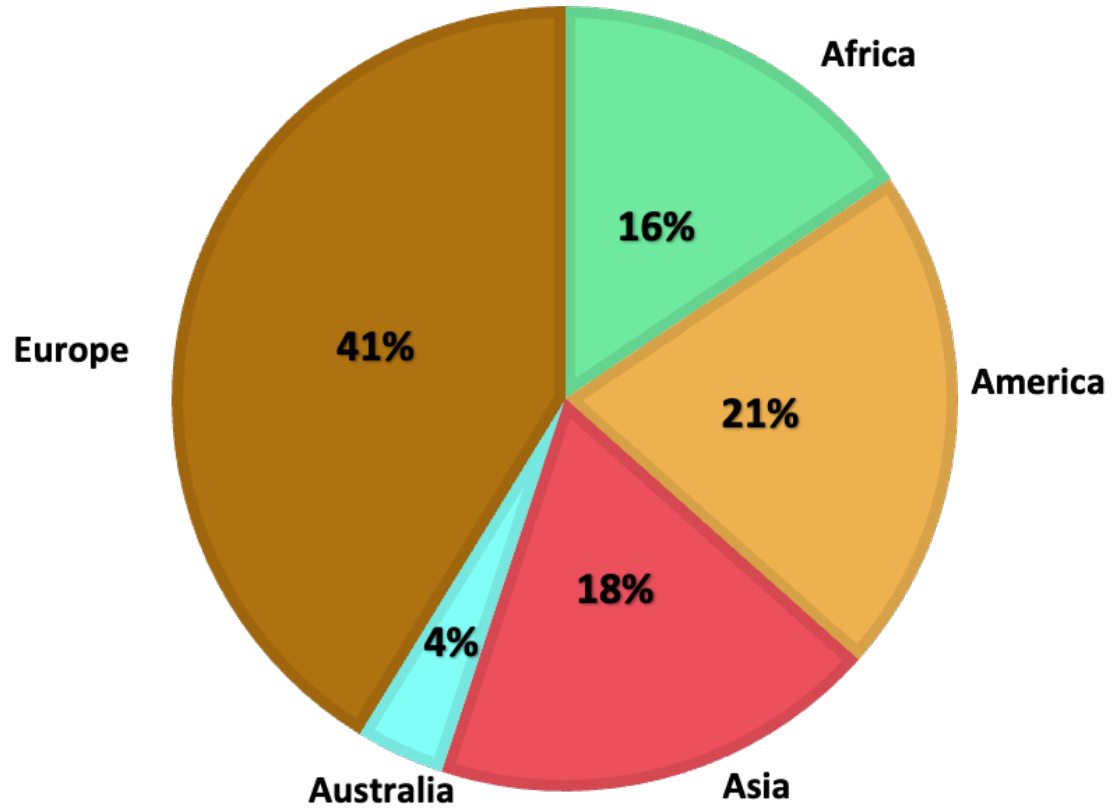
# Webinar – Green Cooking as key for deploying Modern Bioenergy



- Part of Autumn Series (+ BioInt)
  - #1 : Opportunities for Biomass Deployment in Asia
  - #2 : *Critical role of Modern bioenergy for Green Cooking*
  - #3 : Developing pellet production in Central and South America
  - #4: Liquid biofuels for decarbonizing transport
- Together with Bioenergy International
- More than 1700 registrants from 113 countries (Spring Series)
- All recordings and presentations available
- You can ask your **queries** through the chat



# Registrations



# World Bioenergy Association



GLOBAL BIOENERGY STATISTICS 2022

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

## BIOMASS SUPPLY CHAINS

HARVESTING & COLLECTION, PRE-TREATMENT AND UPGRADING, STORAGE, TRANSPORTATION & HANDLING

### 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, end 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 factsheet 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 factsheet. 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 leave out impurities to get 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 includes 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 volumes and cost of the transportation. Feedstock costs associated with supply chains form the major share of the total cost of the technology. The overall cost is highly case 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.

### INTRODUCTION

Bioenergy plays a key role in mitigating climate change, contributing more to the transition towards a sustainable energy system.



14 Mar 11:00 AM WEBINAR FREE ATTENDANCE "A 5-POINT PLAN FOR RAPID SCALE UP OF BIOMETHANE PRODUCTION GLOBALLY"

Hosted by: Christian Rabau, Association

Speakers: Pharaoh La Fourne (French), Peter Zerkowicz (International Energy Agency), Giulia Ceciani (European Biogas Association), Erik Basso (International Energy Agency), Jan Lieberherr (Solar Energy Association), James Swindon (Natural Energy), Christian Cunat (Natural Energy), K B Raghunath (AIIC Global), Jesse Schauf (E.ON), Gourav Kedia (Natural Energy Association), Jitendra Pong (Natural Energy Association)

Organized by: WBA



# Membership



## Associations



## Companies



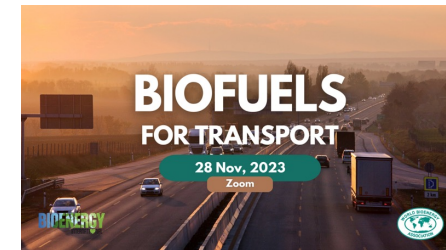
# Join Us

- **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



31/10: Developing Pellet Production in Central and South America



28/11: Liquid Biofuels as critical solution for decarbonizing transport



19-23 /10: WBA General Assembly (Beijing, China)



30/11 – .... : COP28, Dubai