

Supporting a Sustainable European Bioenergy Trade Strategy

BioTrade2020plus

Towards sustainable international biomass trade strategies

IEE/13/577/SI2.675534

From 01/03/14 to 01/08/16



- European **targets set by 2020** in the Climate and Energy package will **require a serious increase in biomass demand for energy purposes** that cannot be achieved by solely sourcing raw materials from the EU-zone
- **Importing** this biomass from outside the EU **may occur at the risk of damaging** ecosystems in other parts of the world, while actually increasing the EU's own carbon footprint.
- The market for **bioenergy and biofuels has seen major increases** in the last few years. According to the latest estimations, biomass had a 64 % share of all renewable energy consumption in the EU-27 in 2012. This biomass was mostly used in the heating and cooling sector (73%), followed by transport (15%) and electricity (12%). On the longer term this increase will be **reinforced by other (non-energy) sectors** that use biomass as renewable feedstock as for example bio-industries
- Among the pre-requisites for achieving a more **competitive bio-based industry** it is necessary to ensure access to **sustainable renewable raw materials at competitive prices** and support market creation and stimulate market demand for bio-based products.
- BioTrade2020plus aims at releasing relevant information for policymakers, industrial stakeholders, NGOs, biomass standardization and certification organizations and other key actors to help defining long-term strategies / policy frameworks **to establish sustainable biomass trade from third countries to the EU in 2020 and beyond.**



Objective:

BioTrade2020plus aims at providing guidelines for the development of a European Bioenergy Trade Strategy that ensures that imported bio-resources are sustainably sourced and used in an efficient way, while avoiding distortion of other (non-energy) markets.

Outputs/Results:

- Overview of the **lignocellulosic biomass and bioenergy carriers availability** in the **main sourcing areas** worldwide, including sustainability aspects
- **Analysis** of the main economical and market issues concerning **biomass/bioenergy imports to the EU**
- Integrate previous information in a dedicated and user friendly **interactive GIS tool** intended for use by industrial players, policymakers and other stakeholders.
- Help project promoters and investors to identify the best compromise solutions to include sustainable biomass imports in European bioenergy markets by **Guidelines and Advisory document**
- Efficient and active **engagement and involvement of stakeholders** and long-term reinforcement of networking



BioTrade2020plus aims at achieving the following objectives by means of series of technical workpackages (highlighted in bold):

- Determine sustainable potentials of lignocellulosic biomass in the main sourcing regions. Definition and application of sustainability criteria and indicators → **Workpackage 2: Availability and Sustainability**
- Give insights in possible availability and indicative costs of sustainably produced lignocellulosic biomass from the main sourcing regions, including interactions with demand from other sectors and other regions → **Workpackage 3: Market and Demand**
- Provide European industry with transparent information to identify, quantify and mobilize sustainable and resource efficient lignocellulosic biomass resources from the main export regions to the EU by means of a user friendly interactive tool based on GIS and an integrated user interface → **Workpackage 4: Interactive tool**
- Create a policy strategy to promote the use of bioenergy, ensuring a sustainable and fair supply market from outside the EU to complement the existing demand without halting domestic production → **Workpackage 5: Strategies to secure sustainable imports of biomass**

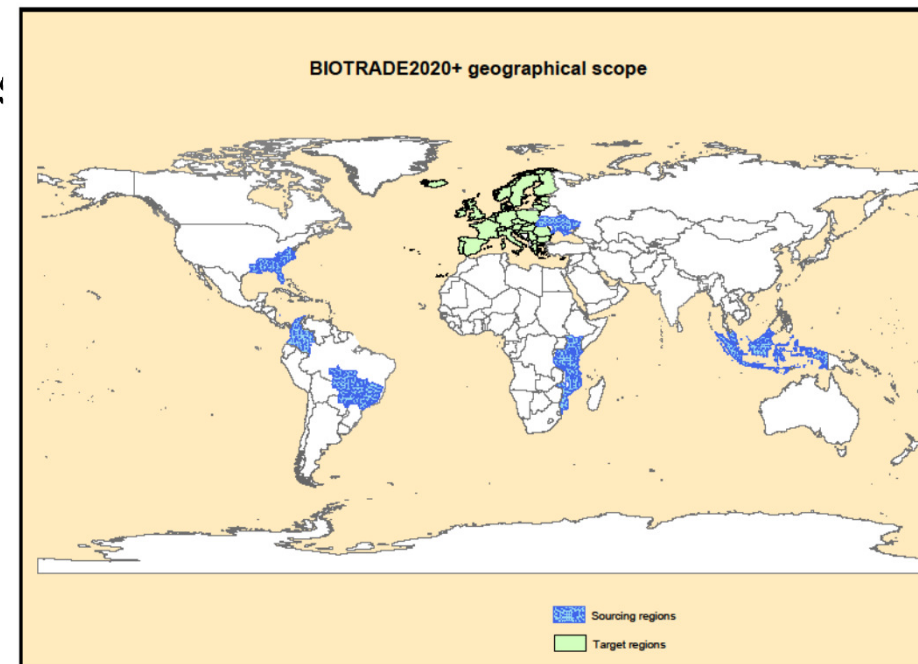


The project will focus on lignocellulosic biomass :

- Woody resources,
- Agricultural residues and
- Cellulosic crops

for the following sourcing regions:

- North America* (Southeast United States),
- South America* (Brazil, Colombia),
- *East Europe* (Ukraine),
- *Southeast Asia* (Indonesia/Malaysia) and
- *East Africa* (Kenia/Mozambique/Tanzania).



CENER – National Renewable Energy Centre, Biomass Department, Spain

Imperial – Imperial College London, Centre for Environmental Policy, United Kingdom

Stiching DLO – Alterra, Wageningen University and Research, The Netherlands

IINAS – International Institute for Sustainability Analysis and Strategy GmbH, Germany

VITO - Flemish Institute for Technological Research, Belgium

UU - Utrecht University, Faculty of Geosciences, Energy & Resources, Copernicus Institute of Sustainable Development, The Netherlands

WIP- WIP Renewable Energies, Germany



Project website: www.biotrade2020plus.eu



Co-funded by the Intelligent Energy Europe
Programme of the European Union

**Towards sustainable international biomass
trade strategies, 24th October**

Thank You!

Contact:

David Sánchez/ Ines del Campop
CENER- National Energy Centre (Spain),
dsanchez@cener.com/ldelcampo@cener.com
+34 948 25 28 00,



www.biotrade2020plus.eu



<https://www.linkedin.com/groups/BioTrade2020plus-8120800/about>



<https://www.facebook.com/groups/biotrade2020plus/>