



Algemene gegevens	
TKI-projectnummer	AF-EU-15001
Titel	Biotrade 2020plus
Topsector en innovatiethema	-
Projectleider (onderzoek)	G.J. Nabuurs
Werkelijke startdatum	1 maart 2014
Werkelijke einddatum	31 augustus 2016
Korte omschrijving inhoud	The main aim of Biotrade2020+ was to provide 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. The aim was to analyse the potentials (technical, economical and sustainable) and assess key sustainability risks of the full chain of current and future lignocellulosic biomass and bioenergy carriers (with the main focus on wood chips, pellets, and residues of agro products) from the major sourcing regions of the world (Canada, US, Latin America, Russia, etc.) to the EU. An evaluation of their production and distribution costs, market prices, competition with food and fibre industry, main actors involved and sustainability profiles was provided.

Uitvoerende partijen	
Betrokken kennisinstellingen	Wageningen Environmental Research, FBR
Overige partijen	Cener-CIENAT Foundation (Coordinator), University Utrecht, Imperial College London, VITO, WIP Renewable Energies

Resultaten en deliverables	
1. Welke deliverables zijn opgeleverd, en is dit conform het projectplan? (geef een korte beschrijving per deliverable uit het projectplan)	<p>In 2016, the biotrade2020+ project was finalised. Main outputs were:</p> <ul style="list-style-type: none"> • Assessment of sustainable potentials of lignocellulosic biomass in the six selected sourcing regions (case studies) outside the EU • Definition of sustainability criteria and indicators and their application to the selected case studies • Analysis of the main economic and market related factors affecting biomass/bioenergy imports to the EU • Development of a dedicated and user friendly web-based GIS-tool on lignocellulosic biomass resources from target regions

	<ul style="list-style-type: none"> • Give information to European industries and other stakeholders to identify, quantify and mobilize sustainable lignocellulosic biomass resources from exporting regions • Policy advice on long-term strategies to include sustainable biomass imports in European bioenergy markets • Involvement of stakeholders through consultations and dedicated workshops <p>DLO was especially involved in the USA case and the Colombia case study. Furthermore, we were main developer of the Biotrade tool</p> <p>http://biotrade2020.services.geodesk.nl/</p>
<p>2. Indien bepaalde deliverables niet gehaald zijn, wat was daarvoor de reden?</p>	<p>n.v.t.</p>
<p>3. Heeft het project onverwachte (neven)uitkomsten opgeleverd, die vooraf niet waren voorzien? Zo ja, benoem deze.</p>	<p>Among the success stories, the close involvement of the Advisory Board members in the development of the project, sharing their vision of international biomass trade with all the consortium members. There also have been various interactions with stakeholders to discuss the context (opportunities and risks), agree on key principles to achieve sustainable biomass trade and achieve a list of concrete suggestions for long term strategies.</p> <p>Additionally and as will be indicated below, the project partners have agreed to publish the results of the entire project in the form of peer-reviewed articles in a scientific journal possibly Renewable and Sustainable Energy Reviews (publisher: Elsevier) or Resources (publisher: MDPI).</p>
<p>4. Op welke wijze is over het project en de resultaten gecommuniceerd</p>	<p>The project has a website since beginning.</p> <p>http://www.biotrade2020plus.eu/ regular newsletters were produced.</p> <p>Workshops with stakeholders were organised.</p> <ul style="list-style-type: none"> • Targeted interviews for the collection of end-user requirements on the occasion of the 22nd European Biomass Conference & Exhibition (EUBCE 2014) in Hamburg, 23-26 June 2014 • Mid-term and IEA cooperation workshop on 24 October 2014 in Brussels on the occasion of IEA Bioenergy ExCo Meeting. • Workshop on "Policy options for sustainable biomass trade" is organised on the occasion of the 23rd European Biomass Conference & Exhibition (EUBCE 2015) on 3 June 2015 in Vienna, Austria. • Final BioTrade2020plus Workshop on 14 June 2016,

	Brussels, Belgium A special issue for scientific community will be developed.
5. In hoeverre heeft het project bijgedragen aan de ontwikkeling van de betrokken kennisinstelling(en)? (bijv. wetenschappelijk track record, nieuwe technologie, nieuwe samenwerkingen)	For FBR and Alterra, this project fitted in the strategies of sustainable management of resources for a bio economy. The SE usa case was important in relation to pellet imports from the USA to netherlands which is now under heavy scrutiny. It was important for Ministry EZ to have solid information.
6. Krijgt het project een vervolg in de vorm van een nieuw project of een nieuwe samenwerking? Zo ja, geef een toelichting.	Unknown yet

Highlights

The main aim of Biotrade2020+ was to provide 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. The aim was to analyse the potentials (technical, economical and sustainable) and assess key sustainability risks of the full chain of current and future lignocellulosic biomass and bioenergy carriers (with the main focus on wood chips, pellets, and residues of agro products) from the major sourcing regions of the world (Canada, US, Latin America, Russia, etc.) to the EU. An evaluation of their production and distribution costs, market prices, competition with food and fibre industry, main actors involved and sustainability profiles will be provided.

<http://www.biotrade2020plus.eu/>

Biotrade tool: <http://biotrade2020.services.geodesk.nl/>

Aantal opgeleverde producten			
Wetenschappelijke artikelen	Rapporten	Artikelen in vakbladen	Inleidingen/ workshops/ invited lectures
8 in prep	30 Plus one tool	-	-

Bijlage: Titels van de producten of een link naar de producten op een openbare website

<http://www.biotrade2020plus.eu/publications-reports.html>

Link naar Kennisonline:

<http://www.wur.nl/nl/project/Biotrade2020plus-1.htm>