

# EFI Multi Donor Trust Fund for Policy Support: Annual Report 2016

*27 January 2017 (public version)*



*EFI MDTF for Policy Support countries marked by green color*



*EFI ThinkForest seminar, 15 March 2016, International Press Centre, Brussels. Photo: Simon Pugh*



EUROPEAN FOREST INSTITUTE

## What is this document?

This document is the Annual Report of the EFI Multi Donor Trust Fund for Policy Support (hereafter MDTF) for 2016. It presents the activities, outputs, impacts and budget from the 2<sup>nd</sup> year of the MDTF, the reporting period being 1 January 2016 to 31 December 2016. Its aim is to provide transparent information, which can also be used to assess and evaluate the performance and impact of the MDTF work.

## Project management

EFI Assistant Director Lauri Hetemäki has coordinated MDTF project activities in 2016, with important support from Policy Support Officer Ulla Vääntinen and Communications Officer Rach Colling. The ThinkForest Forum has been chaired by its President, Göran Persson. In addition, other EFI staff resources and outside subcontracting have been used to carry out the activities during 2016.

## Project funding and costs in 2016

By the 2<sup>nd</sup> MDTF Steering Committee meeting on 11 February 2016, 9 countries had joined the MDTF: *Austria, Finland, France, Germany, Ireland, Italy, Norway, Spain and Sweden*. The total financial contribution from the countries to the MDTF by the end of 2016 was 616 920 euros. The total amount of expenses in 2016 is estimated to have been 511 803 euros (*when writing this 24 January 2017, the EFI accounts for 2016 had not yet been finalized!*).

## Summary of activities

The highlights of activities and outputs from 2016 include:

**Publication** of two *From Science to Policy*–reports; one providing insights into the scientific debate on forest biomass, carbon neutrality and climate change mitigation; and the other analyzing the potential use of forest-based sector indicator sets in Europe. Related to the first publication, a short *ThinkForest Brief* was also published. In addition, five online newsletters, *Science Supporting Policy-making* were distributed to the EFI network (approx. 1,600 recipients by the end of 2016).

**ThinkForest events** are the flagship science-policy events organized by MDTF, and there were four such events in 2016: 1. *“Climate policy after COP21: Implications for the European forest-based sector”*, International Press Centre, Brussels, 15 March 2016; 2. *“Building the bioeconomy: insights from European strategies”*, Helsinki, 7 June 2016; 3. Roundtable discussion on *“Forest biomass sustainability and carbon neutrality”*, Brussels, 12 October 2016; and 4. *“Building an innovative and resilient forest bioeconomy”*, International Press Centre, Brussels, 15 November 2016.

## Summary of impacts

Although the impacts of science-policy support work (or more precisely, *science informing policy work*) are notoriously difficult to assess, many of the indicators show that MDTF work has been successful during 2016. There is direct and indirect evidence that the EFI *From Science to Policy* –series studies have been able to change the discussion on the EU climate policy and bioenergy policy concerning forests, and have directly informed the European Commission and some national Parliament policy processes. The indicators related to ThinkForest event participants, live stream and video recording followers, publication downloads, expert statements and presentations based on the publications, etc. clearly support this view (see below). These numbers also increased clearly from 2015, which was the first year of operation of the MDTF.

**ThinkForest event participation:** Participation in the three ThinkForest seminars varied between 100-150 participants. The ThinkForest Roundtable Discussion event was by invitation only (26 participants), and all the invitees came - a rarely seen 100% participation rate in Brussels. In total, over 400 people took part in ThinkForest events in 2016. In addition, the three ThinkForest seminars were watched live by video/web streaming by over 480 persons. In terms of background, four major participant groups were: national government (ministries) civil servants, embassy and permanent representation staff, stakeholder group representatives, and the research community. In the invitation-only Roundtable Discussion, European Parliament and European Commission staff were the biggest group, consisting of 60 % of the participants. The number of participants representing regional governments/administration increased during the reporting period.

**Publication downloads:** Between 400-500 copies of each *From Science to Policy* study were printed. These were distributed at ThinkForest events, to policymakers in Brussels via EFI's Brussels Liaison Office, and were sent to EFI's network and Regional Offices. The electronic copies of the publications proved extremely popular, with *From Science to Policy 3* being downloaded almost 8,700 times in its first three months of publication. Five editions of the *Science Supporting Policy-making* online newsletter were sent during 2016. The newsletter reports on and promotes ThinkForest events and MDTF-funded studies, in addition to more general news items on current MDTF themes. The newsletter is sent by email to EFI's policy support mailing list, which by the end of 2016 totalled some 1,600 subscribers. Subscribers include, e.g. European Parliament (89), European Commission (73), Permanent Representations/Embassies (108), and national ministries (177).

**Media impact:** MDTF Policy Support work was actively promoted in "traditional" and social media. Related to the ThinkForest seminars or publications, media published 25 articles (including national newspapers and broadcasters), and the different stakeholder groups published in total 40 follow-up articles in their forums. During 2016, MDTF-funded policy support work was promoted via social media, taking advantage of EFI's growing social media presence and existing channels to reach a geographically widespread audience. Effort focused on Twitter, which is used professionally by the policy maker audience (in particular MEPs, European Commission, etc). For example, tweets were broadcast from each of the three ThinkForest events, allowing interaction with participants, and dialogue with a wider audience. During 2016, there were approx. 1,800 tweets and the account gained over 1,500 new followers. Within Europe, a high percentage of followers are based in Spain (16.8%), the UK (15%), Finland (7.6%) and Belgium (4.1%). Other important areas globally include the US (8.9%) and Canada (3.3%).

**Expert presentations, hearings and statements:** The large number of requests for presentations or expert statements in policy or science-policy forums based on the publications and ThinkForest events indicated the usefulness of the MDTF events and publications. Based on the *From the Science to Policy* –series studies, the authors of the studies and Chief-Editor provided 25 presentations and expert statements in 2016 in the European Parliament, European Commission, national Parliament Committees, events organized by a Minister, Permanent Representations, and forums, etc.

**Feedback from the network:** The publications and ThinkForest events have been considered timely, and tackling topical policy issues. In particular, participants have appreciated that issues high on the political agenda have been brought to the discussion, and needed science-based information has been provided by the studies and ThinkForest seminars. Indeed, one Brussels-based stakeholder representative commented that FSTP No. 2 was “*the game changer*” in the discussion of climate policies and forests. ThinkForest events have been considered important by various Commission officials (e.g. Commissioners, senior EC officials, Joint Research Centre officials), national government civil servants, EFI Associate Member representatives, and forest-based sector stakeholders.

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## 1. Introduction and background

### 1.1 EFI Multi Donor Trust Fund for Policy Support

The objective of the Multi-Donor Trust Fund (MDTF) is to support the operationalization of the activities of the EFI Foresight and Policy Support Programme (FPS). The Trust Fund has been established for a period of three years, 1 January 2015 to 31 December 2017. The possible continuation of the Trust Fund will be decided in 2017, after its evaluation.

*The Steering Committee* is the highest decision-making body of MDTF. The Steering Committee approves the MDTF work programme and related budget. The main aims and responsibilities of the Steering Committee are to provide *strategic guidance and advice* on the operations of FPS. It receives information from the EFI secretariat and gives feedback regarding the outputs, outcomes and impacts resulting from the activities of MDTF policy support work. The Steering Committee does not take part in the operation and management of the MDTF policy support work, science-policy studies, or the selection of the scientists conducting the studies. This is in line with the principle of safeguarding the scientific integrity of the actual science-policy work. However, the Steering Committee members can *comment* the science-policy study manuscripts, but they *do not review* them. That is, the science team doing the report will have the obligation to respond to comments, but the decision how to incorporate, or not to incorporate, the possible Steering Committee comments to the studies, rests on the scientists.

The Steering Committee consists of a representative of each donor, the Director of EFI or his authorized representative, and the Chair of the Scientific Advisory Board (SAB) of EFI or a designated SAB member. The membership of a donor ends 12 months following the last contribution of the donor. The Steering Committee meets at least once a year, and maintains an active interaction through correspondence, and can meet informally in connection with other international meetings.

#### **In 2016, the MDTF Steering Committee members were:**

Alessandro Bottacci, State Forest Service, Italy  
Ingeborg Bromée, Ministry for Enterprise & Innovation, Sweden  
Taina Veltheim, Ministry of Agriculture and Forestry, Finland  
Thomas Haußmann, Federal Ministry of Food and Agriculture, Germany  
José Manuel Jaquotot, Ministry of Agriculture, Food and the Environment, Spain  
Martin Nöbauer, Ministry of Agriculture, Forestry, Environment and Water Management, Austria  
Noel O'Connor, Department of Agriculture, Food and the Marine, Ireland  
Marc Palahí, Director of EFI  
Jonathan Saulnier/ Claire Morlot, Ministry of Agriculture, Agro-food and Forestry, France  
Bill Slee, Chair of EFI Scientific Advisory Board  
Silje Trollstøl, Chair of the MDTF, Norwegian Ministry of Agriculture and Food, Norway

In the 2<sup>nd</sup> MDTF Steering Committee meeting in Barcelona on 11 February 2016, the following observer countries were also present: Poland and Switzerland.

The MDTF policy support work is managed and administrated by the EFI Foresight and Policy Support Programme. The actual implementation of the science-policy studies, and the speakers in ThinkForest

events representing science, are based on the work and presentations by EFI staff and its Associate Members, and the science community in general. The aim of the work is to:

- respond in a timely manner to policy makers' information needs with scientific-based analysis and information in an easily understandable and policy-relevant format and scale;
- support the formulation, monitoring and evaluation of sustainable policies and strategies relevant for the European forest-based sector;
- communicate effectively and consequently build a better understanding of forest-related issues, proactively involving policy makers and stakeholders.

The above objectives are carried out in particular through EFI MDTF science-policy publications (*From Science to Policy* reports, *What Science Can Tell Us* reports, and *ThinkForest briefs*) and ThinkForest forum high-level science-policy seminars. The ThinkForest forum events have often been chaired by its President, Göran Persson (Prime Minister of Sweden 1996-2006). The president's role has also been important in representing ThinkForest and EFI policy support work in different platforms (e.g., international conferences, videos), providing important networks and access to high-level policy makers, inviting speakers to the ThinkForest seminars, and providing strategic advice for EFI management in policy support work.



*ThinkForest President Göran Persson chairing the seminar on 7 June 2016, Helsinki.  
Photo: Roni Rekoma, Lehtikuva*



## 1.2 MDTF funding and management

**Funding:** The donors of the MDTF in 2016 were nine countries: **Austria, Finland, France, Germany, Ireland, Italy, Norway, Spain and Sweden** (Spain joined in 2016). The total contribution of donors in 2016 was **616 920 euros**. The expenses of MDTF activities during 1 January to 31 December 2016 is estimated to have been **511 803 euros** (*the exact amount will be known when the EFI accounts for 2016 are finalized in February 2017*).

According to the MDTF Guidelines, funding can be used to finance the following categories of expenditure:

- FPS staff costs and travel expenses;
- EFI staff costs, consultant and expert fees and related expenses (travels, etc) to coordinate and conduct FPS studies and activities;
- Costs for contracting EFI member organizations and other relevant organizations for carrying out scientific assessments, policy studies, etc;
- EFI staff costs and travel expenses related to the negotiations of the trust fund, its establishment and enlargement;
- Communication and media expenses, including publications (e.g. *From Science to Policy* and *What Science Can Tell Us* studies)
- Briefs, EFI News, etc, translations, and video and electronic media;
- Workshop, conference and meeting expenses, including costs associated with presenters, publicity, translation and reporting;
- Equipment related to supporting the activities of FPS;
- Office running costs (not covered by the agreed overheads);
- Costs related to activities, not included above, that have the approval of the Steering Committee;
- Auditing and final external evaluation costs.

**Management:** The MDTF policy support work is managed and administrated by the *EFI Foresight and Policy Support Programme (FPS)*. It initiates, coordinates, carries out and disseminates science-based analysis and synthesis assessments for policy makers, stakeholders, media and the public at large. It supports science-policy dialogue and functions as a go-between for European forest scientists and policy makers. One of the main activities is also the managing and operation of ThinkForest Forum, the high-level science-policy information, discussion and information-sharing forum.

Based on feedback from the Steering Committee members, EFI will prepare an annual work plan and an associated budget to be approved by the Steering Committee. Studies may be planned to be conducted within a period of up to three years subject to the availability of sufficient funding.

The team responsible for managing and administrating the MDTF policy support work consists of:

Lauri Hetemäki, Assistant Director, EFI  
Rach Colling, Communications Officer, EFI  
Ulla Vääntinen, Policy Support Officer, EFI



## 2. Activities and outputs

The activities under MDTF for Policy Support were of many different types during 2016. The flagship activities are the ThinkForest events and science-policy publications. In addition, a number of related and supporting activities were carried out, such as the policy support newsletter, videos, policy support webpage, posters, social media activities, expert statements and presentations in policy forums, and efforts to get new countries to join the MDTF. This chapter gives more detailed information about these activities.

### 2.1 Publications

#### 2.1.1. Science-policy studies

MDTF publications build on existing EFI series, with the aim of creating a cascade of products, targeted at different audiences and purposes. Their main objective is to synthesise existing science analysis and results, and draw policy implications based on these, in order to support policy making and stakeholders work. The text is accordingly written in a format that is easily accessible to these target groups.

EFI series	No of pages	Purpose
<b><i>What Science Can Tell Us</i></b> (WSCTU)	80-100	Synthesis of large scope studies. Main target groups: civil servants, policy makers' assistants, stakeholders, experts, researchers
<b><i>From Science to Policy</i></b> (FSTP)	28-32	Synthesis of a specific topic, carried out within a short timeframe (typically in 4-8 months). Main target groups: civil servants, policy makers' assistants, stakeholders, experts, researchers
<b><i>ThinkForest brief</i></b>	8	Briefs based on WSCTU or FSP, and summarizing their policy implications. Main target groups: policy makers, policy makers assistants, media, stakeholders, experts

Detailed science-policy analysis from a *What Science Can Tell Us* or *From Science to Policy* study is summarised in a *ThinkForest brief* for policymakers, and presented at ThinkForest forum events.

**In 2016, two *From Science to Policy* studies and one *ThinkForest brief* were published.**

A total of 17 authors from 13 institutions were involved in the two *From Science to Policy* studies. The topics focused on (a) forest biomass, carbon neutrality and climate change mitigation, and (b) the development of forest-based bioeconomy indicators. The study coordinators were Professor Göran Berndes from Chalmers University of Technology, Sweden (carbon neutrality of biomass), and Bernhard

Wolfslehner, Head of the EFI Central-East and South-East European Regional Office (EFICEEC-EFISSE) (bioeconomy indicators).

Author affiliations	Countries represented
Chalmers University of Technology EFI European Environment Agency Joint Research Centre (JRC) Natural Resources Canada Natural Resources Institute Finland (LUKE)* North Carolina State University Oak Ridge National Laboratory Swedish University of Agricultural Sciences (SLU)* University of California-Davis University of Molise* University of Natural Resources and Life Sciences (BOKU)* University of New England, Australia	Australia Austria Canada Finland Italy Sweden USA

*\*EFI Associate Member organization*

### *From Science to Policy*



#### Forest bioeconomy – a new scope for sustainability indicators

From Science to Policy 4, November 2016  
32pp

*Bernhard Wolfslehner, Stefanie Linser, Helga Pölzl, Annemarie Bastrup-Birk, Andrea Camia, Marco Marchetti*



## [Forest biomass, carbon neutrality and climate change mitigation](#)

From Science to Policy 3, October 2016

28pp

*Göran Berndes, Bob Abt, Antti Asikainen, Annette Cowie, Virginia Dale, Gustaf Egnell, Marcus Lindner, Luisa Marelli, David Paré, Kim Pingoud and Sonia Yeh*

## *ThinkForest brief*



## [Forest biomass, carbon neutrality and climate change mitigation](#)

Published October 2016

*Göran Berndes, Bob Abt, Antti Asikainen, Annette Cowie, Virginia Dale, Gustaf Egnell, Marcus Lindner, Luisa Marelli, David Paré, Kim Pingoud and Sonia Yeh*

## *Policy support newsletter*



*The Science Supporting Policy-making* online newsletter reports on and promotes ThinkForest events and MDTF-funded studies, in addition to more general news items on current MDTF themes (for example bioeconomy).

The newsletter was sent by email to EFI's policy support mailing list, using the Apsis newsletter system, and is promoted to EFI's wider network via social media.

Subscription was actively promoted during the year (e.g. during registration for events). **By the end of 2016, the policy support mailing list totalled some 1,600 subscribers**, an increase of 600 over the course of the year.

Amongst others, subscribers include:

	2016	2015
European Parliament	89	89
European Commission	73	59
Permanent Representations/Embassies	108	69
National ministries	177	121
Regional representations in Brussels	69	4

**Five editions of the newsletter were published in 2016.**

Newsletter issue	Contents
<a href="#">5-2016</a> , 25 November 2016	<ul style="list-style-type: none"> <li>- Innovations and sustainability are a must for bioeconomy</li> <li>- Full potential of forest bioeconomy not yet utilized</li> <li>- Watch! (recording of 15 November ThinkForest event)</li> <li>- From Science to Policy 4</li> <li>- Bratislava Declaration: EFI one of major actors in forest research in Europe</li> <li>- Events</li> </ul>
<a href="#">4-2016</a> , 28 October 2016	<ul style="list-style-type: none"> <li>- Science and policy-making: towards a new dialogue</li> <li>- From Science to Policy 3</li> <li>- The role of regions in the European bioeconomy</li> <li>- Register now: Building an innovative and resilient forest bioeconomy</li> <li>- 5 steps for developing a bioeconomy in Europe</li> <li>- Events</li> </ul>
<a href="#">3-2016</a> , 15 June 2016	<ul style="list-style-type: none"> <li>- Bioeconomy can tackle society's grand challenges</li> <li>- 'Don't just make plans – open opportunities'</li> <li>- Watch! (recording of 7 June ThinkForest event)</li> <li>- Events</li> <li>- Save the date: Building an innovative and resilient forest bioeconomy</li> </ul>
<a href="#">2-2015</a> , 4 April 2016	<ul style="list-style-type: none"> <li>- Forests central to climate and bioeconomy transformation</li> <li>- Climate policy after COP21</li> </ul>

	<ul style="list-style-type: none"> <li>- Watch! (recording of 15 March ThinkForest event)</li> <li>- Save the date: Building the bioeconomy: Insights from European strategies</li> </ul>
<a href="#">1-2016</a> , 5 January 2016	<ul style="list-style-type: none"> <li>- Forests and climate policy</li> <li>- Time for a fresh look at forest sinks</li> <li>- Watch! (recordings of 1 December ThinkForest event)</li> <li>- From Science to Policy 2</li> <li>- Save the date: Climate policy after COP21: Implications for the European forest-based sector</li> </ul>

## 2.2 ThinkForest Seminars

ThinkForest Seminars are the flagship science-policy events organized by MDTF. Four ThinkForest events were organized in 2016: 1. *“Climate policy after COP21: Implications for the European forest-based sector”*, International Press Centre, Brussels, 15 March 2016; 2. *“Building the bioeconomy: insights from European strategies”*, Helsinki, 7 June 2016; 3. Roundtable discussion on “Forest biomass sustainability and carbon neutrality”, Brussels, 12 October 2016; 4. *“Building an innovative and resilient forest bioeconomy”*, International Press Centre, Brussels, 15 November 2016.

ThinkForest events have been organized mainly in Brussels, but in 2016 the event also took place in a MDTF member country, Finland (in Helsinki). The aim is also in the future to take the events to member countries, in addition to Brussels. In Helsinki, attendance was large, and new audience had an opportunity to be introduced to a ThinkForest seminar. Non-Finnish participants constituted 25 % of the audience. In addition, the live webstreaming and video recording made available in the web after the event, allowed for easy following outside Finland.

For the first time, a smaller and by invitation only ThinkForest Roundtable Discussion event was organized. The background for this type of event was especially the wish from the European Parliament MEPs for such a forum, in which there was the possibility for a freer and more thorough discussion. There were 26 participants in the event, of which 60 % were from European Parliament and European Commission. The event had a rare 100% participation of the invitees.

The ThinkForest events benefit significantly from the Presidency of Göran Persson (Prime Minister of Sweden 1996-2006). His PR value, networks, advice, and professional and insightful chairing of the events have greatly helped to raise the profile of the events. He has also taken part in the policy support articles coordinated by EFI and published in newspapers. In addition, Mr. Persson has helped to promote the ThinkForest, EFI policy support work, and European forest sector in general. Some of these examples are listed below:

An article *The Vision, Ex-prime ministers fight for bioeconomy* in a journal Think Green of the Swedish Industries Federation. The full article on page 6 here:  
<http://www.forestindustries.se/siteassets/dokument/forestindustries.se/think-green.pdf>  
 (Skogsindustrierna)

An article *Underskattat inte makten – packa trunken och dra till Bryssel* in a customer magazine of Norra Timber (SWE). The full article is found here:

<http://viewer.zmags.com/publication/996cb2f8#/996cb2f8/8> (Norra Skogsmagasinet)

### Climate policy after COP21: Implications for the European forest-based sector

The role of forests and the forest sector in meeting the Paris Agreement and EU climate policy targets was discussed at the ThinkForest seminar in Brussels on **15 March**. The Finnish Minister of Agriculture and the Environment Kimmo Tiilikainen explained that the Finnish government is investing in bioeconomy and sees it as a key means to reach the Paris Agreement target of achieving a balance between emissions and removals by 2050. According to Tiilikainen “We need to phase out the use of fossil carbon, and replace it with renewable materials”.

The transition to a low-carbon economy continued to be a main theme in the event, which was hosted by Elisabeth Köstinger (MEP, Austria). Speakers and panel discussions focused on: i) the role of the bioeconomy in climate mitigation, ii) the implications of climate and energy policies, and the challenges of bioenergy, iii) the need for flexibility to use EU Member States’ diverse possibilities to contribute to mitigation and make use of ‘climate smart forestry’, and iv) on how to best use the triple role which forests and the forest sector have as a carbon sink, carbon storage and in substituting fossil-based products.

The *From Science to Policy 2* publication on a new role for forests and the forest sector in the EU post-2020 climate targets was distributed to participants of the event. In addition, *ThinkForest briefs* on the same topic in English and French were also available for participants. Although published already in December 2015, these publications were well received by participants, being topical after the Paris Agreement adopted in December 2015.



*Minister Tiilikainen (Finland) speaking in the ThinkForest event on 15 March (the picture on the left). Lucia Perugini, The Euro-Mediterranean Center on Climate Change, Italy, and Elisabeth Köstinger (Austria) MEP, participating in the panel discussion in the same event. Photos: Simon Pugh Photography.*

The seminar was attended by 103 participants. Out of 103 participants, 13 came from the European Parliament, 8 from the European Commission, and 28 were country representatives (embassies, permanent reps., ministries). Forest owners (9) and NGOs (11) were also represented. After the seminar,

a networking event was organised in the conference venue, International Press Centre. It was attended by ca. 90 participants.

### Building the bioeconomy: insights from European strategies

A call for strategic decisions and actions, not just strategies was at the heart of the high-level ThinkForest seminar on the bioeconomy, which was held in Helsinki on **7 June**. Over 140 people gathered to hear a keynote speech from Olli Rehn, Finnish Minister of Economic Affairs, who placed forests at the centre of a sustainable, flexible European bioeconomy, calling it the 'next economic wave'.

Challenges for bioeconomy development, and for forests, were the subject of intense discussion among speakers, panelists and the audience. Speakers agreed that there is a lack of a narrative about the potential and use of forests, which hampers engagement with society. The 147 participants represented EU Member States, Iceland and Norway (34), forest industry and forest owners (27), stakeholders and NGOs (25), and research (30). The event was also attended by 7 journalists.

A higher number of journalists present in this ThinkForest event was due in part to a successful media workshop, which took place before the event on 7 June (more information on media workshop is available in Section 3.4, Media impact).



*ThinkForest seminar in Helsinki. Panellists Sofia Santos (Secretary General, BCSD Portugal), Esko Aho (EFI Strategic Advisor, former Prime Minister of Finland), Christine Lang (Prof., Chairman of the German Bioeconomy Council), and Markku Ollikainen (Prof. Univ. of Helsinki) (photo left). Photos: Roni Rekoma, Lehtikuva*

After the seminar, a networking event was held in the conference venue: Scandic Marina Congress Center. This offered an opportunity to continue the discussion and exchange views on the day's topic. The networking event was attended by some 120 participants.

### Roundtable discussion: Forest biomass sustainability and carbon neutrality

On **12 October**, a ThinkForest roundtable discussion was organized in Brussels. The event discussed forest biomass sustainability and carbon neutrality based on the results of a new EFI *From Science to Policy* study and the latest developments within this topic. These were particularly topical issues due to the process of updating the EU climate and renewable energy policies for the 2020-2030 period. Attendance to this event



was by invitation only. The 26 participants represented European Commission and European Parliament (15), countries (5), research (2) and other international organizations (4).



*Coordinator of the EFI study on Forest biomass, carbon neutrality and climate change mitigation, Göran Berndes, giving a presentation on the study to the invited participants of the event.*

### **Building an innovative and resilient forest bioeconomy**

The forest-based bioeconomy could offer more potential for sustainable growth and new investments in the EU, according to Jyrki Katainen, European Commission Vice-President for Jobs, Growth, Investment and Competitiveness. Mr Katainen was speaking at a ThinkForest seminar in Brussels on **15 November**, which discussed how to build an innovative and sustainable forest bioeconomy.

Lively discussions between speakers, panellists and the audience focused on: i) how new technologies could bring 'added value', ii) how to raise awareness of this added value that forests are offering, iii) how to fund bioeconomy investments and iv) on how to tell a fact-based bioeconomy narrative that is appealing for the urban population in the EU. It was also emphasized that it is important to have an understanding of the different contexts in different countries, and a common understanding of the sustainability of a forest-based bioeconomy.

A new EFI *From Science to Policy* study "*Forest bioeconomy – a new scope for sustainability indicators*" was also launched at the event. The study provides insights into the potential use of forest-based indicators in Europe for sustainable bioeconomy monitoring and assessment.



*Commissioner Jyrki Katainen (photo left); professor Gert-Jan Nabuurs (Wageningen University) (photo top right); and panellists Prof. Bart Muys (Univ. of Leuven), Frederic Federley (MEP), Göran Persson (ThinkForest President), Elisabeth Köstinger (MEP), and John Bell (Director Bioeconomy, DG Research and Innovation) (photo bottom right). Photos: François Radermecker*

The event was held at the International Press Centre, Brussels, and had 130 participants. The participants represented various countries, also outside of the EU (24), European Commission and European Parliament (17), forest industry and forest owners (21), other stakeholders/ NGOs (21), research organizations (16) and other international organizations (29, incl. regional governments/ administration).

The networking event was attended by ca 100 participants. It offered participants an opportunity to ask more questions of the speakers, and to exchange views on seminar topics.

## 2.3. Other outputs

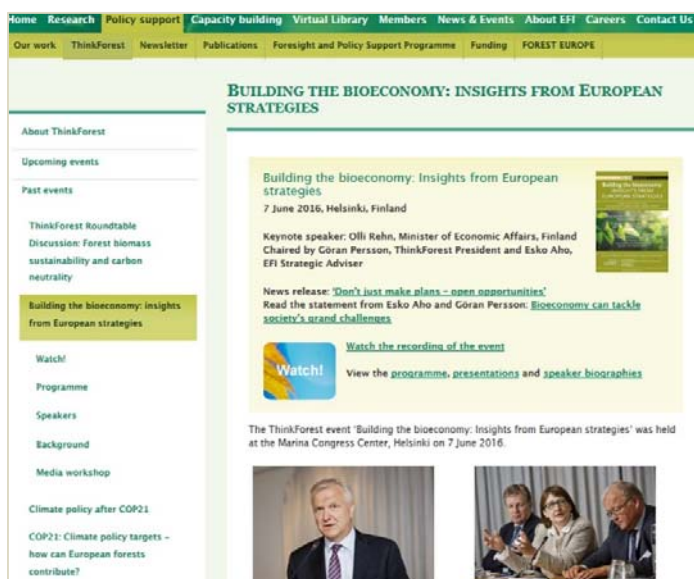
### 2.3.1. Online activities

The EFI website is an important tool in MDTF communication activities, as it acts as a central, easily accessible source of information about policy support activities. The website not only aggregates content from and signposts users to all other digital channels, but is also the place where a lasting and easily accessible ‘footprint’ of MDTF-supported outputs is created, making it available to policymakers for future reference.

## Policy support/ThinkForest webpages



In addition to policy support material being showcased on the EFI homepage ([www.efi.int](http://www.efi.int)), the dedicated Policy Support webpages ([www.efi.int/portal/policy\\_advice](http://www.efi.int/portal/policy_advice)) were updated throughout the year, with the aim of promoting the latest activities, and signposting to further information.



The ThinkForest webpages were maintained and expanded during 2016, with sections added for each new ThinkForest event. This included mini-biographies of key speakers, programme, background information etc. This was updated after each event to include relevant news releases, photos, presentations and videos.

## Videos

Video continued to be used during 2016, with the aim of making ThinkForest events accessible to as wide an audience as possible. Three ThinkForest events (Brussels, March; Helsinki, June; Brussels, November) were successfully webstreamed live via the [EFI YouTube channel](#), with good audience figures. Webstreaming also has the benefit of allowing the full event recordings to be made available afterwards, giving a lasting record of ThinkForest discussions.

Event	Livestream viewers	Average time watched	Countries (top 5 viewers in blue)	Recording views 2016
<a href="#">Climate policy after COP21: Implications for the European forest-based sector</a>  15.03.2016, International Press Centre, Brussels	102	36 minutes	22 countries: AT, <b>BE</b> , <b>BR</b> , CL, <b>DE</b> , ES, <b>FI</b> , FR, GB, ID, IT, LU, MX, NL, OM, PE, <b>PL</b> , RU, <b>SE</b> , SI, TR, UA	503
<a href="#">Building the bioeconomy: Insights from European strategies</a>  7.06.2016, Marina Congress Center, Helsinki	190	21 minutes	38 countries: AT, <b>BE</b> , BG, BR, CA, CH, CZ, <b>DE</b> , DK, DZ, <b>ES</b> , <b>FI</b> , <b>FR</b> , GB, GN, ID, IE, IN, <b>IT</b> , JP, KR, LT, LV, MY, NL, NO, PH, PL, PT, RO, <b>RU</b> , SA, SE, TH, TR, TW, UA, US	564
<a href="#">Building an innovative and resilient forest bioeconomy</a>  15.11.2016, International Press Centre, Brussels	191	24 minutes	33 countries: AE, AR, <b>AT</b> , <b>BE</b> , BR, CA, CH, DE, DK, DZ, EG, <b>ES</b> , <b>FI</b> , GB, HR, HU, ID, IT, JP, LV, MK, MY, PL, PT, RU, <b>SE</b> , SI, TH, TR, UA, US, VN, ZA	334

In addition, the video recordings made at the ThinkForest event ‘*Climate policy targets: how can European forests contribute?*’ (held in Paris on 1 December 2015) were made available on the EFI YouTube channel in January 2016. More details are available in the Annex in the Online Statistics section.

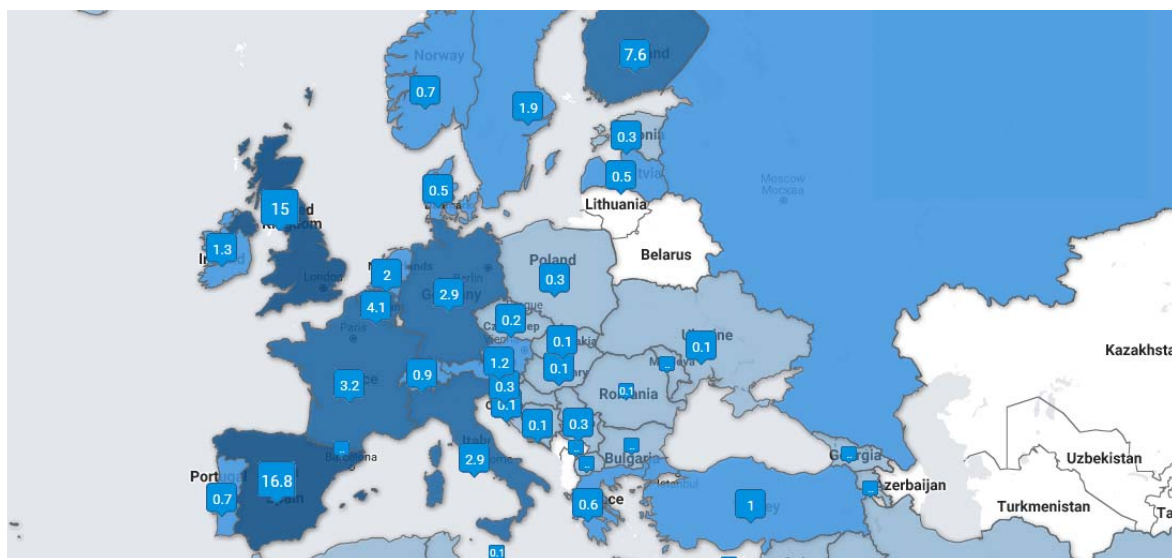
## Social media

During 2016, MDTF-funded policy support work was promoted via social media, taking advantage of EFI’s growing social media presence and existing channels to reach a geographically widespread audience.

Social media channel	Number of followers (31 Dec 2016)	Number of followers (15 Dec 2015)
<a href="#">Twitter</a>	4,828	3,330
<a href="#">Facebook</a>	3,621	2,750
<a href="#">LinkedIn</a>	3,305	2,750
<a href="#">YouTube</a>	408 subscribers	323 subscribers

Effort focused on Twitter, which is used professionally by the policy maker audience (in particular MEPs, European Commission etc). Tweets were broadcast from each of the 2016 ThinkForest events, which this year saw a noticeable increase in social media action by participants.

During 2016, there were 1,837 tweets (a small increase on 2015), and the account gained over 1,500 new followers (a 36% increase on 2015). Within Europe, a high percentage of followers are based in Spain (16.8%), the UK (15%), Finland (7.6%) and Belgium (4.1%). Other important areas globally include the US (8.9%) and Canada (3.3%).



***EFI's global Twitter followers by country (percentages of total)***

### Electronic event invitations

The capacity to send messages to the policy support mailing list via the Apsis software system was heavily used in 2016. A total of 13 messages relating to ThinkForest events were sent by email to the policy support mailing list, and media lists. These included 'save the date' messages, event invitations and reminders, as well as new developments such as notification of webstreaming.



Event	Date
<a href="#">Watch live on 15.11 Building an innovative and resilient forest bioeconomy</a>	14.11.2016
<a href="#">Reminder: Building an innovative and resilient forest bioeconomy</a>	7.11.2016
<a href="#">Invitation: Building an innovative and resilient forest bioeconomy</a>	27.09.2016
<a href="#">Save the date! Building an innovative and resilient forest bioeconomy</a>	6.09.2016
<a href="#">Join us in Helsinki: Building the bioeconomy</a>	27.05.2016
<a href="#">Reminder: Media workshop, Building the bioeconomy</a>	17.05.2016
<a href="#">Reminder: Building the bioeconomy</a>	13.05.2016
<a href="#">Invitation: Media workshop, Building the bioeconomy</a>	11.05.2016
<a href="#">Invitation: Building the bioeconomy</a>	25.04.2016
<a href="#">Save the date! Media workshop, Building the bioeconomy</a>	18.04.2016
<a href="#">Save the date! Building the bioeconomy: Insights from European strategies</a>	13.04.2016
<a href="#">Reminder: Climate policy after COP21</a>	15.02.2016
<a href="#">Invitation: Climate policy after COP21: Implications for the European forest-based sector</a>	26.01.2016

## Development of publication notices



**FROM SCIENCE TO POLICY**

**Forest biomass, carbon neutrality and climate change mitigation**  
**From Science to Policy 3, European Forest Institute**  
 Göran Berndes, Bob Abt, Antti Asikainen, Annette Cowie, Virginia Dale, Gustaf Egnell, Marcus Lindner, Luisa Marelli, David Paré, Kim Pingoud and Sonia Yeh

The Paris Agreement and the EU Climate and Energy Framework set ambitious but necessary targets. Reducing greenhouse gas emissions by phasing out the technologies and infrastructures that cause fossil carbon emissions is one of today's most important challenges. In the EU, bioenergy is currently the largest renewable energy source used.

In recent years, the issue of 'carbon neutrality' has been debated with regard to the bioenergy products that are produced from forest biomass. There is no clear consensus among scientists on the issue and their messages may even appear contradictory to decision-makers and citizens.

This report provides insights into the current scientific debate on forest biomass, carbon neutrality and climate change mitigation. It draws on the science literature to give a balanced and policy-relevant synthesis, from both an EU and global perspective.

During the second half of 2016, the capability to send out publication notices was developed, making use of the software system (Apsis) already in use for mailing newsletters and event invitations.

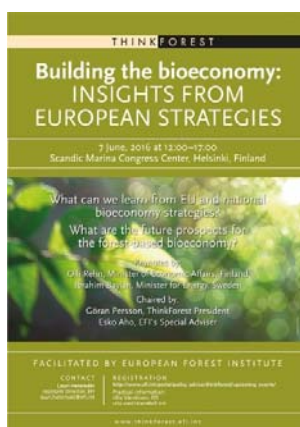
Two new publications were promoted by email to the policy support mailing list during 2016:

From Science to Policy 3: [Forest biomass, carbon neutrality and climate change mitigation](#)

From Science to Policy 4: [Forest bioeconomy – a new scope for sustainability indicators](#)

## Posters

A4 posters were produced to advertise each ThinkForest event in 2016. These were made available in PDF (for example for use on the web) and printed formats, for ease of distribution. Printed posters were used at events, and distributed in Brussels (for example at the European Parliament).



## Press releases/news items

There was active contact with the media during 2016, with regular press releases and invitations to ThinkForest events. In addition, a media workshop was organised in June 2016, in connection with the Helsinki bioeconomy event (see section 3.4).

The database of Brussels-based journalists was maintained and updated, together with those across Europe interested in specific topics (for example bioeconomy, climate change). A distribution list of relevant journalists was created for each event, and extensive use was also made of ‘multipliers’, i.e. news distribution channels such as AlphaGalileo, ScienceDaily, UNECE/FAO Forest Information Billboard, FAO Infosylva.”

A dissemination plan was made for each ThinkForest event, and the results from dissemination activities were monitored and logged, using an off-the-shelf system (Meltwater) (see Table 5, Post-event media coverage).

Five press releases/news items were published in 2016:

[Creating an innovative bioeconomy: forests offer more than wood](#) (16.11.2016)

[New ‘From Science to Policy’ publication: Forest bioeconomy – a new scope for sustainability indicators](#) (15.11.2016)

[New ‘From Science to Policy’ publication: Forest biomass, carbon neutrality and climate change mitigation](#) (12.10.2016)

[‘Don’t just make plans – open opportunities’](#) (08.06.2016)

[Forests central to climate and bioeconomy transformation](#) (16.03.2016)



Press releases were sent to a distribution list of approx. 400-700 journalists, depending on the topic (see section 4.3 Media impacts).

### Enlarging the MDTF

The MDTF started in January 2015 with 8 countries: Austria, Finland, France, Germany, Ireland, Italy, Norway and Sweden. In 2016, Spain joined the MDTF. Currently Central-, Northern-, and Southern Europe are represented in the MDTF. The clear shortage is the lack of Eastern European countries. Consequently, in 2016 active efforts to engage the latter were taken by the EFI Director and Assistant Director. At the time of writing (20 January 2017), Bulgaria and the Czech Republic have indicated that they could join the MDTF during 2017. Also, Poland has taken an active interest in MDTF (being e.g. observer in the MDTF Steering Committee meetings), and efforts to support their joining of MDTF will be continued by EFI. In addition, EFI Director and Assistant Director met in May 2016 the Estonian Minister of Environment (Marko Pomerants) and Director Generals from the Ministry to discuss the possibility of Estonia joining the MDTF. This type of process takes time, and the results may be seen only in the longer-term.

### 3. Impacts

In general, the EFI MDTF Policy Support work has during 2016 received very positive feedback and it has reached a wide audience. The impact indicators given in the Report show a clear growth in almost all the indicators compared to 2015, the first year of operation of MDTF. In addition, the direct responses received from the network (see below), from the discussions EFI staff have had with policy makers, stakeholders and research institutes during 2016, as well as the numerous requests for expert presentations or statements based on the MDTF work support this conclusion. Besides the information reported below, during meetings and discussions that EFI's Director and Assistant Director had during 2016 with European Parliament MEPs, European Commission staff, national ministries and stakeholders, very positive feedback was given for the MDTF policy support work. This included in meetings and discussion with European Commission officials (e.g. Commissioners Carlos Moedas, Phil Hogan, Jyrki Katainen and Karmenu Vella, and their Cabinet members, and Vladimir Šucha, Director-General of the Joint Research Centre, and DG Research Director of Bioeconomy John Bell), national government civil servants, EFI Associate Member representatives, etc. In summary, the work has been very well received and pointed to be pioneering and very important.

The more informal responses to MDTF work support very much the picture that the quantitative indicators reported in this chapter give of the impact of MDTF work – it has had a clear impact.

#### 3.1 Downloads

All MDTF publications (*From Science to Policy* and *ThinkForest briefs*) were available in printed and online formats during 2016.

Between 400-500 copies of each *From Science to Policy* study were printed. These were distributed at ThinkForest events, to policymakers in Brussels via EFI's Brussels Liaison Office, and were also sent to EFI's network and Regional Offices. The electronic copies of these studies again proved extremely popular. In particular, almost 8,700 copies of *From Science to Policy 3* (Forest biomass, carbon neutrality and climate change mitigation) were downloaded in 3 months.

Included in the table below are details of all *From Science to Policy* publications produced to date (2016 and 2015).

Title	Publication date	No of copies printed and distributed in 2016	No of electronic copies downloaded 2016	No of electronic copies downloaded 2015
From Science to Policy 4 (Forest bioeconomy indicators)	Nov 2016	400	1,739	n/a
From Science to Policy 3 (Forest biomass, carbon neutrality)	Oct 2016	500	8,667	n/a
From Science to Policy 2 (A new role for forests)	Dec 2015	n/a	5,382	1,107
From Science to Policy 1 (EUTR-FLEGT)	Apr 2015	n/a	1,961	2,524

Detailed information is available in Table 2.

### 3.2. Feedback from stakeholders and network

#### ThinkForest seminars

In summary, the events have been considered timely, and tackling topical issues. In particular, participants have appreciated that issues high on the political agenda have been brought to the discussion, and additional science-based information has been provided by the publications and ThinkForest events. ThinkForest events have been considered important e.g. by European Parliament and European Commission staff and Brussels-based stakeholders.

After having attended the ThinkForest events, many participants have wanted to join EFI's policy support mailing list in order to receive updates on the schedule of events along with the news. Members of the EFI's policy support mailing list have increased from approximately 1,000 to 1,600 during the period January-December 2016. In addition, direct oral and written responses after the events have been positive, and indicated the usefulness of the MDTF events and publications. Below are some examples of the comments received:

#### **Roundtable discussion on Forest biomass sustainability and carbon neutrality** (12 October)

This discussion event was considered to be very timely due to the process of updating the EU climate and renewable energy policies for the 2021-2030 period. Attendance was by invitation only. Participants valued highly the possibility to express freely their views on the topic discussed, and information provided in the new EFI ***From Science to Policy study 3 on Forest biomass, carbon neutrality and climate change***

[http://www.efi.int/portal/policy\\_advice/](http://www.efi.int/portal/policy_advice/)

**mitigation.** In particular, the MEPs and European Commission staff present in the event gave positive feedback on the lunch debate, and participated actively in the discussion.

On ***From Science to Policy study 4 on ‘Forest bioeconomy – a new scope for sustainability indicators***

- *The comprehensive Science to Policy study on ‘Forest bioeconomy – a new scope for sustainability indicators’ will provide valuable input for our bioeconomy strategy review exercise.* Cabinet of Commissioner Moedas.
- The European Commission used the study as an example for the EU Bioeconomy Strategy revision Expert Group. EC sent messages to Expert Group members and pointed out that: *“As an inspiration and example of what indicators could look like to measure impacts, herewith a link to a study that was published this month by the European Forest Institute”.*

After each ThinkForest event, a **press release** on the event has been published at the EFI website. **As a follow-up, stakeholders have published news on their own websites** (see Table below).

ThinkForest event	Number of (web)articles
<b><i>Climate policy after COP21: Implications for the European forest-based sector, 15 March, Brussels</i></b>	1 ministry 1 MEP 1 industry 1 stakeholder
<b><i>Building the bioeconomy: insights from European strategies, 7 June, Helsinki</i></b>	1 minister/MP 1 ministry 3 industry 2 research organisations 1 international organisation 1 stakeholder
<b><i>Roundtable discussion on Forest biomass sustainability and carbon neutrality, 12 October, Brussels</i></b>	n/a
<b><i>Building an innovative and resilient forest bioeconomy, 15 November, Brussels</i></b>	1 industry 1 international organisation

*The detailed information is available in Table 4.*

### 3.3. Expert presentations, statements and hearings

After publishing the studies in the EFI *From the Science to Policy* –series and giving presentations of these in ThinkForest events, the authors of the studies and the series Chief-Editor received several requests to present the study results.

Another indication of the acknowledgment of the MDTF work was the invitation of Lauri Hetemäki to be a Rapporteur at the 2<sup>nd</sup> International Network for Government Science Advice Conference (INGSA): “Science and Policy Making: towards a new dialogue”, Brussels, 29-30 September 2016. The event was organized jointly by INGSA and the European Commission and was attended by 600 scientists, policy makers and stakeholders for two days to discuss science-policy work.

Below, is a summary of the presentations, expert statements and hearings (25 total) held in various policy and science-policy forums:

Publication	Presenter / event (in chronological order)
<b>From Science to Policy 1: Assessment of the EU Timber Regulation and FLEGT Action Plan</b> (Published 21 April 2015)	Georg Winkel, EFI IURFO WFSE Seminar ‘Forests & development from development discourses to providing data for decision making’, Helsinki, 1.3.2016
<b>From Science to Policy 2: A new role for forests and the forest sector in the EU post-2020 climate targets</b> (Published 1 December 2015)	Marcus Linder, EFI “Landwirtschaft und Umwelt”: Wege für mehr Klimaschutz, BMEL Berlin, 13.12.2016
	Gert-Jan Nabuurs, Alterra Invited keynote at Forum2000, Prague, Czech Republic, 18.10.2016
	Lauri Hetemäki, EFI Expert hearing on the EC LULUCF Climate Policy Proposal at the Environment Committee of the Finnish Parliament, Helsinki, 14.10.2016. (this expert statement was later requested also by the Agriculture and Forestry Committee of the Parliament.
	Gert-Jan Nabuurs, Alterra Speech at Marcus Wallenberg Prize Selection Committee 9.10.2016
	Gert-Jan Nabuurs, Alterra Invited keynote at Forest and Sustainable Development, Brasov Conference, Romania, 7.10.2016
	Gert-Jan Nabuurs, Alterra Invited speech at Climate-KIC Land use theme meeting, Zürich, Switzerland, 29.09.2016

	Lauri Hetemäki, EFI "EU Climate Policy and Forest-Based Sector" Climate Diplomacy Week seminar (event org. by Finnish Env. Institute and French, German and UK Embassies), Helsinki, 16.09.2016
	Gert-Jan Nabuurs, Alterra Climate smart forestry in Netherlands; possibilities in bio-economy; Bioenergy platform, Middelburg, Netherlands 07.07.2016
	Lauri Hetemäki (EFI), Marcus Lindner (EFI) and Gert-Jan Nabuurs (Alterra) Expert hearing on the EC LULUCF Climate Policy Proposal at the European Commission Directorate-General for Climate Action (DG-CLIMA), Brussels, 5.7.2016.
	Gert-Jan Nabuurs, Alterra Invited keynote at KSLA seminar 'Forests, bioenergy and global climate, Stockholm, Sweden, 22.06.2016
	Marcus Lindner, EFI Sustainable production of forest biomass for Northern Europe in a climate change context. Copa and Cogeca working party on forestry, Brussels, 08.06.2016
	Marcus Lindner, EFI Sustainable production of forest biomass for Northern Europe in a climate change context. Joint EFINORD – SNS seminar, Oslo, 24.05.2016
	Hetemäki, L. 2016. Invited keynote on climate policy and forests. By invitation seminar organized by Kimmo Tiilikainen (Minister of Agriculture, Forestry and Environment), Helsinki, 23.5.2016
	Gert-Jan Nabuurs, Alterra Invited talk at stakeholder conference 'A sustainable bioenergy policy after 2020, European Commission, DG Energy, Brussels, 12.05.2016
	Gert-Jan Nabuurs, Alterra Invited keynote at Eustafor meeting in the European Parliament, Brussels, 05.04.2016
	Gert-Jan Nabuurs, Alterra Royal Dutch Forestry Association, Zeewolde, Netherlands, 01.04.2016
	Gert-Jan Nabuurs, Alterra UNECE, Joint ECE/FAO Working Party on Forest Statistics, Economics and Management, Geneva, 24.03.2016
	Gert-Jan Nabuurs, Alterra EASAC meeting with European Commission stakeholders, Brussels, 16.02.2016
	Gert-Jan Nabuurs, Alterra Imperial College London 03.02.2016
	Gert-Jan Nabuurs, Alterra IEA task 43 meeting, Wageningen 28.01.2016
<b>From Science to Policy 3: Forest biomass, carbon</b>	Gustaf Egnell, Swedish University of Agricultural Sciences Sustainable use of bioenergy seminar (Hosted by Christofer Fjellner, MEP), European Parliament, 07.12.2016
	Marcus Lindner, EFI Sustainable Forest Biomass in light of Paris COP21, Conference on the Intergroup on

<b>neutrality and climate change mitigation</b>  (Published 12 October 2016)	Climate Change, Biodiversity and Sustainable Development, European Parliament, 01.12.2016
	Marcus Lindner, EFI Landwirtschaft und Umwelt: Wege für mehr Klimaschutz, BMEL, Berlin 13.12.2016
	Göran Berndes, Chalmers University of Technology, Sweden EU Bioenergy Sustainability Policy –seminar, Finnish Permanent Representation in Brussels, 07.10.2016

### 3.4. Media impacts

Press releases and press invitations were distributed by email, using an off-the-shelf system, Meltwater. This allows you to create distribution lists based on country and the journalist's 'beat' (area of specialism), and to monitor whether each news release/invitation has been opened.

Meltwater covers all journalists in the following countries: Austria, Belgium\*, Canada, Denmark, Finland, France\*, Germany, Ireland, Netherlands, Norway, Sweden, Switzerland, UK, USA. (\*new in 2016). In addition, a separate database of Brussels-based correspondents was maintained in-house.

Event	Mailing list size	Press invitation to event (% read)	Post-event press release (% read)
Climate policy after COP21: Implications for the European forest-based sector, Brussels, 15 March	1242	22%	26.4%
Building the bioeconomy: insights from European strategies, Helsinki, 7 June	1409	22.9%	21.1%
Building an innovative and resilient forest bioeconomy, Brussels, 15 November	702	23.1%	23.2%

Media attendance and immediate coverage of events was limited, with journalists using the opportunity to gain background information on a subject (often publishing related materials several months later). Several journalists based outside Brussels expressed interest in the webstreaming and/or video recording of events, in particular those from Sweden and Norway.

Event	Media attendance	Organisation
Climate policy after COP21: Implications for the European forest-based sector, Brussels, 15 March	3	Bloomberg News Wall Street Journal MLex

Building the bioeconomy: insights from European strategies, Helsinki, 7 June	7	Berliner Tageszeitung Frankfurter Allgemeine Zeitung Insinööri-lehti Kauppalehti Metsälehti Tekniikka ja Talous YLE
Building an innovative and resilient forest bioeconomy, Brussels, 15 November	1	Paperi ja Puu

Post-event media coverage and ongoing media monitoring was also carried out via the Meltwater system. The Building the Bioeconomy ThinkForest event, held in June, received the widest media coverage during 2016, in particular reaching national newspapers and broadcasters in Finland and also in Germany (See Table 5 for more details).

This was due to a successful [media workshop](#), which took place before the ThinkForest event, *Building the Bioeconomy: insights from European strategies* in Helsinki on 7 June. The informal morning seminar was chaired by Dr Martin Laqua from BIOCOM (Germany). It included presentations from EFI Director Marc Palahí, who gave an introduction to the bioeconomy, Christine Lang (Chair of the German Bioeconomy Council) who spoke about policies for bioeconomy in Europe, and Sirpa Välimaa (Stora Enso), who presented a bioeconomy case study about sustainable fashion.



*Sirpa Välimaa and Christine Lang being photographed for Kauppalehti.*

In the media workshop, 11 journalists and media communicators from Finnish and German media attended. These included Berliner Tageszeitung, Frankfurter Allgemeine Zeitung, Metsälehti, Kauppalehti, Tekniikka ja Talous, as well as freelancers. In addition to the morning workshop, participants were also able to attend the afternoon ThinkForest seminar.

Media coverage of the ThinkForest event included:



Publication/Broadcaster	Date	Article/Programme
YLE TV, MOT programme (Finnish national broadcaster)	Broadcast 12.09.2016	<a href="#">Vihreä kulta vaarassa /TV programme in the main TV channel</a>
Frankfurter Allgemeine Zeitung (German daily newspaper)	08.07.2016	<a href="#">Da wächst neues Öl heran</a>
Insinööri-lehti (Finnish industry magazine)	issue 5/2016	<a href="#">Metsäbiotalouden eurooppalaisia strategioita</a>
Kauppalehti (Finnish national business newspaper)	08.06.2016	1. <a href="#">Halpa öljy on biotaloudelle mahdollisuus eikä uhka</a> 2. <a href="#">Aho ja Persson: Hiilelle saatava globaali hinta</a>
Metsälehti (Finnish national publication, focusing on forestry)	08.06.2016	<a href="#">Suomi biotalouden edelläkävijöitä Euroopassa</a>

## 4. Current and emerging forest-related policy issues and trends

According to the MDTF Guidelines “*EFI will provide on a yearly basis a broad overview (summary) of the current and emerging European forest-related policy issues and trends*”. This chapter seeks to fulfill this objective. Its focus is on European and the EU level, but it also briefly discusses some of the global-level developments. Evidently, the latter also have implications for Europe. Given the forward looking nature of the chapter, the discussion is selective and seeking to raise issues, rather than comprehensive and definite.

### 4.1 Summary of policies, processes and trends in Europe

During 2016, the important policy process impacting on European forest sector policy discussions was the **COP21 Paris Agreement** from December 2015. It set the climate policy ambition and hope of success to a new level, and channelled to various other policy processes, not least to the European Commission **LULUCF proposal** (July 2016). The EU Member States are committed to Paris Agreement targets. Yet, the way that these targets should be achieved at the EU level, or what are the most appropriate policies and measures to reach them, and to what extent these should be determined at the EU or national level, has generated question marks and different views amongst the Member States. Another important policy process, which is also linked to climate policy, was the updating process of the **EU Renewable Energy Directive** for the period 2021-2030.

In terms of **emerging issues** of significant importance to European forest-based bioeconomy development, we discuss here **the importance of a fact-based bioeconomy narrative**.

### 4.2 Summary of policies, processes and trends globally

The **COP21 global Climate Agreement** was widely regarded as a very positive surprise. Given these were the 21st negotiations, and the results so far had been unsatisfactory, many had begun to think that the UN multilateral negotiation process was mission impossible. The ‘Paris Spirit’ may have changed this, and is likely to give a boost to more significant and speedy climate policy actions, and business sector investments in low carbon technologies and products. The fact that many think this, even without any concrete actions yet, is important. This spirit hopefully shows up also in the European forest sector’s willingness to do more, rather than voice how much it is already doing. The mitigation targets are ambitious and require every sector to increase its efforts.

Indeed, the European forest sector is in a good position to do more, as a recent EFI study shows. *Climate Smart Forestry* is an approach which can help to realize this potential. In short, it consists of finding synergies for climate policies and actions with other forest sector policies and objectives, such as bioeconomy and biodiversity. It also uses a country’s (or region’s) specific characteristics and possibilities to contribute to mitigation, rather than follow a one-size-fits all approach.

The Paris Agreement left wide flexibility for the EU to decide how forests and the forest sector can be taken into account in mitigation efforts, and what policies may be implemented. In July 2016, the **European Commission published its land-use change and forestry (LULUCF) proposal** where the more detailed proposal on how to implement climate policy in LULUCF sector in the Member States was given.<sup>1</sup> The proposal was met with some criticism from the Member States, e.g. the proposal related to *forest management reference level*. There is not yet approval of new EU LULUCF policy when writing this.

The EFI MDTF science-policy study indicated that the EU forest-based sector could do more for climate mitigation – increasing the impact from 13% to 22% of the current EU CO<sub>2</sub> emissions.<sup>2</sup> However, this would require a more flexible policy framework than the EC LULUCF proposal is creating, and new policy incentives from the Member States. The key to reaching this target would be implementing a Climate Smart Forestry (CSF) –strategy. CSF aims to tackle three main objectives: sustainably increasing forest productivity and incomes; adapting and building resilience to climate change; and reducing and/or removing greenhouse gas emissions, specifically taking into account regional circumstances.

Another important policy process affecting the forest-based sector is **the EU Renewable Energy Directive for 2021-2030**. The European Commission proposal for a revised Renewable Energy Directive is part of the EC's new Clean Energy package, which was released on 30 November 2016.<sup>3</sup> The proposal lays down the principles according to which Member States can collectively and continuously ensure that the share of renewable energy in the EU final energy consumption reaches at least 27% by 2030, in a cost-effective manner across the three sectors of electricity, heating and cooling, and transport. The measures included in the proposal aim to tackle, in a proportionate way, the existing issues hampering renewable energy deployment, such as investor uncertainty, administrative hurdles, the need to improve cost-effectiveness of renewables deployment, the need to update the policy framework and the risk of loss of citizen buy-in during the transition towards 2030.

The more specific proposals which are especially important for the forest-based sector are those related to biofuels and sustainability criteria for biomass. For biofuels, the EC has reduced the current 7% limit of first generation biofuels in transport to 3.8% in 2030. Instead the EC wants to support advanced biofuels, i.e. produced from residues and waste, by obliging Member States to require fuel suppliers to include a minimum share of those biofuels which shall be at least 1.5% by 2021 and at least 6.8% by 2030. This is promising for 2<sup>nd</sup> generation biofuels such as biodiesel made out of sidestreams of the pulping process.

Already in the previous Renewables Directive, biofuels could only be considered a renewable energy source if they comply with certain sustainability criteria, in particular a sufficient greenhouse-saving potential and no damage to biodiversity. The new Renewables Directive also includes sustainability criteria for biomass that are used for heating and cooling and electricity generation. Wood pellets are the most relevant form. Biomass from forest must be harvested in countries that have appropriate laws to ensure

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<sup>1</sup> COM(2016) 479 final 2016/0230 (COD) Proposal for a Regulation of the European Parliament and of the Council on the inclusion of greenhouse gas emissions and removals from land use, land use change and forestry into the 2030 climate and energy framework and amending Regulation No 525/2013 of the European Parliament and the Council on a mechanism for monitoring and reporting greenhouse gas emissions and other information relevant to climate change.

<sup>2</sup> Nabuurs, Delacote, Ellison, Hanewinkel, Lindner, Nesbit, Ollikainen and Savaresi. 2015. A new role for forests and the forest sector in the EU post-2020 climate targets. From Science to Policy 2. European Forest Institute.

<sup>3</sup> Brussels, 30.11.2016 COM(2016) 767 final 2016/0382 (COD) Proposal for a DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the promotion of the use of energy from renewable sources (recast).

a minimum standard of sustainability. If the country of origin has no such laws in place, the producer must prove a management system that provides the same level of sustainability.

The EFI MDTF science-policy study published in October 2016 contributed to topical and controversial discussions on the role of forest biomass in bioenergy production.<sup>4</sup> It provided the synthesis of the science literature and the policy implications. The study turned out to be in high demand, and helped to broaden the discussion.

Another policy process of particular interest to the forest-based sector is the review and **updating process of the current EU bioeconomy strategy**, which was published in 2012. According to the EC plan, the updating takes place in 2017, a Staff Working Document should be ready by late 2017, and possible new initiative on sustainable bioeconomy in 2018. In addition to this EU-level activity, a number of Member States have published bioeconomy strategies, e.g. France (January 2017), Italy (November 2016)<sup>5</sup> and Spain (March 2016). EFI MDTF science-policy work is helping to inform strategies (particularly the updating of the EU strategy) and their implementation with a number of activities in 2016-2017.

#### 4.3 Emerging issues and outlook: The importance of a bioeconomy narrative

“Facts just twist the truth around, facts are living turned inside out” – so sang David Byrne of Talking Heads in 1980’s hit “Crosseyed and Painless”. These words seem to be fitting for what has been experienced in recent times in global and European policy setting – the time that has been labeled as *the post-truth politics*. Donald Trump is often seen to be the epitome of this trend. Other (in)famous examples are the British politician Michael Gove who famously declared during the Brexit campaign that “we’ve had enough of experts”. Vladimir Putin and a number of the leaders of the European populist movements seem to fit to this trend as well.

Whether one thinks that we are actually living a post-truth world or not – an issue that is many ways very ambiguous – **the role of narratives clearly is becoming increasingly important** for engaging society behind different movements and changes (Davidson 2016).<sup>6</sup> Owen Flanagan from Duke University, a leading consciousness researcher, argues that “Evidence strongly suggests that humans in all cultures come to cast their own identity in some sort of narrative form. We are inveterate storytellers.”<sup>7</sup>

According to Davidson (2016), “A narrative consists of a collection or body of stories of characters, joined in some common problem as fixers (heroes), causes (villains) or the harmed (victims) in a temporal trajectory (plot) leading towards resolution within a particular setting or context. These stories together or collectively convey a common worldview or meaning – an interpretation of the world and how it works.” There is a growing body of research in fields such as psychology, cognitive science, political science and sociology showing that people do not make decisions through a purely rational process, and that emotion and a range of cognitive biases play an important role. Narratives are central to the mental models and

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<sup>4</sup> Berndes, Abt, Asikainen, Cowie, Dale, Egnell, Lindner, Marelli, Paré, Pingoud and Yeh. 2016. Forest biomass, carbon neutrality and climate change mitigation. From Science to Policy 3. European Forest Institute.

<sup>5</sup> “[Bioeconomy in Italy: A unique opportunity to reconnect economy, society and the environment](#)”

<sup>6</sup> Davidson (2016). The role of narrative change in influencing policy. <https://onthinktanks.org/articles/the-role-of-narrative-change-in-influencing-policy/>

<sup>7</sup> Owen Flanagan (1992). *Consciousness Reconsidered*. The MIT Press.

social beliefs and practices that guide individuals' decision-making and behaviour, and thus narrative is an important tool for bringing about change.

**How do narratives relate to forest-based sector and bioeconomy?** According to the World Bank, in 2015 75% of the population in the EU were living in urban areas, and this share is predicted to be increasing in the future. In order for the forest-based bioeconomy to succeed and be societally inclusive in the EU, it is difficult to see how this could be done without engaging support from majority of the population (voters), i.e. the urban citizens. Yet, forestry and bioeconomy is often advanced in bioeconomy strategies and political rhetoric in manner that appeals to the rural population: more rural jobs and income for forest owners living in rural areas. The EU has a rural development policy which is funded through the European Agricultural Fund for Rural Development worth €100 billion from 2014-2020. Similarly, many European national governments have rural programmes to enhance livelihood in rural areas.

If the urban population is aware of the bioeconomy at all, they may easily relate it to rural areas and programmes. Rural programmes, like the EU CAP policy, on the other hand may be seen very critically from the urban population perspective. To simplify, perhaps they are seen as taking tax income away from their pockets to support rural people. In order for the bioeconomy to succeed in the long-run, it would need to change this view. There is a need for a bioeconomy narrative that engages the urban population and gets their support.

This narrative is important also for another reason. Especially in those European countries in which most of the population have had no direct experience of forestry or understanding of how wood and forests enters their daily life in many ways, people may not necessarily see the point of the bioeconomy. An illustrative example may explain what we mean here.

On 28 September 2016, around 600 forest scientists gathered at the biannual German Forest Science Conference (Forstwissenschaftlichen Tagung) in Freiburg. At the event, there was a keynote presentation on the topic of "Future of European Forest-Based Bioeconomy". After the presentation, a German forest professor posed a question to the presenter: How do you advance forest bioeconomy in a country or region where the common thinking is that "To cut a tree, is to kill a tree"? In other words, in a country in which many, if not the bulk of the population, tends to think that it would be best to leave the trees in the forest untouched, and that harvesting these is a negative thing. The presenter answered and suggested to tell a fact-based narrative about forest bioeconomy in a way that appeals to the urban population.

That narrative could be different things in different regions and cities, elaborating on the specific features that are important to these regions. The narrative should be able to tell about the renewable cyclical nature of forests, how wood and forests enters into the daily life of the urban population, from morning to evening in many different and important functions and forms. Moreover, if wood was not used, it would mean using some other material instead, which very often is non-renewable or is fossil-based, difficult to recycle (circulate), and therefore possibly not sustainable in the long-term. Or it could be, for example, a narrative of how a managed forest helps to support the water supply of the city. Whatever the narrative, it is very important that it is fact (science) supported, otherwise it will most likely lose its credibility, and therefore power.

In summary, the message that the above discussion has for the decision maker and those wanting to advance the forest-based bioeconomy, is that it is essential to engage the urban population, and pay more attention not to give an image that it is mainly of interest to the rural population. Also, the connection

between urban and rural lives, and how one needs the other is important. In doing this, it is important to tell a fact-based narrative that appeals to urban citizens. We are living in times in which narratives – or good stories - have perhaps become even more important than in the past for engaging citizens for change.

## 5. Conclusions

The year 2016 was the 2<sup>nd</sup> year of operation of the MDTF. It was a year in which many of the procedures and activities were already well established and fewer resources were used for planning and more on activities compared to 2015. Still, some new types of activities and tools were also introduced, such as the ThinkForest Roundtable Discussion event, and taking the ThinkForest events to MDTF member countries (Helsinki event) (COP 21 Paris event in 2015 had a different function). During 2016, the EFI Director and Assistant Director also carried out a number of activities to engage new members to MDTF and deepen the cooperation with the European Commission. These included discussions and negotiations with Bulgaria, Czech Republic, Estonia and Poland. Thus, part of the MDTF work in 2016 went also to continuing dialogue with potential donors. Yet, the main activities in 2016 were the four ThinkForest events, two *From Science to Policy* publications, and a *ThinkForest brief*.

It is very difficult to establish the impact of MDTF science-policy support work e.g. to policy processes or stakeholder strategies. The impacts are likely to be gradual, at least partly indirect, and realized perhaps only after years. Yet, the indicators related to ThinkForest event participation, publication downloads, requested expert presentations, statements and hearings based on the studies, social media activities, and direct communication from the network members, all indicate great interest in MDTF work and activities. Compared to 2015, the indicators show also improvement.

For the MDTF type of work, usually the most one can wish for is to be able to inform and bring new insights to decision makers and stakeholders, ask relevant questions others are not asking, and inform and impact the policy discussion. The evidence reported in this publication indicates that MDTF work has been successful in many, if not all of these. In terms of timing, the publications and events seem to have been right, coming out when they were needed, and in a format that was fitting for the needs.

Since the MDTF work is pioneering, and no other organization has engaged in such a pan-European forest-based sector related science-policy work, it is difficult to compare (benchmark) the work to others. In fact, exactly because of this, many policy makers and EFI Associate Member organizations have expressed their interest to support EFI MDTF work. Given these responses and the information provided in this Report, the EFI FSP team considers the MDTF work having reached well the set objectives for 2016. The activities were also carried out very cost-efficiently. Yet, it is in the end the donors and EFI network assessment that will be the most important and provide the appropriate judgement of the work.

Finally, the EFI FPS team gratefully acknowledges the donors and Steering Committee for supporting the work, and providing strategic guidance for it. All the members of the Steering Committee have been very supportive. The Steering Committee Chair Silje Trollstøl has provided always the support needed. Also, we wish to thank all the scientists who have contributed to the studies and activities in 2016! The support from the EFI Director has also been very important for this work.

The work of 2016 forms a good basis, and in terms of number of activities, an integral part of the MDTF policy support work in 2017!



## **Annexes**

**Table 1: Online statistics**

**Table 2: Number of ThinkForest participants according to background**

**Table 3: Stakeholder follow-up articles related to events and publications**

**Table 4: Media coverage**

**Table 5: Publication citations**

**Table 1: Online statistics**

**Publication statistics**

<b>Title</b>	<b>Publication date</b>	<b>No of copies printed and distributed in 2016</b>	<b>No of electronic copies downloaded 2016</b>	<b>No of electronic copies downloaded 2015</b>
From Science to Policy 4 (Forest bioeconomy indicators)	Nov 2016	400	1,739	n/a
From Science to Policy 3 (Forest biomass, carbon neutrality)	Oct 2016	500	8,667	n/a
From Science to Policy 2 (A new role for forests)	Dec 2015	n/a	5,382	1,107
From Science to Policy 1 (EUTR-FLEGT)	Apr 2015	n/a	1,961	2,524
ThinkForest brief (Forest biomass, carbon neutrality)	Oct 2016	500	2,234	n/a
ThinkForest brief (A new role for forests)	Dec 2015	n/a	824	157
ThinkForest brief (Un nouveau rôle pour les forêts)	Dec 2015	n/a	270	19
ThinkForest brief (EUTR-FLEGT)	Apr 2015	n/a	695	1,114
Policy support brochure	Sept 2015 (reprinted May 2016)	500	477	4 69

### Policy support electronic newsletter

Five editions of the policy support newsletter, *Science Supporting Policy-making* were sent by email to subscribers during 2016

Edition	Date	Number of subscribers	% read
5-2016	25.11.2016	1594	29.4%
4-2016	28.10.2016	1571	30.2%
3-2016	15.06.2016	1399	30.5%
2-2016	04.04.2016	1094	38.9%
1-2016	05.01.2016	1004	39.2%

### Electronic event invitations

Thirteen event invitations were sent by email to subscribers during 2016:

Event	Date	Number of subscribers	% read
<a href="#">Watch live on 15.11 Building an innovative and resilient forest bioeconomy</a>	14.11.2016	1588	27.6%
<a href="#">Reminder: Building an innovative and resilient forest bioeconomy</a>	7.11.2016	174	29.0%
<a href="#">Invitation: Building an innovative and resilient forest bioeconomy</a>	27.09.2016	1527	32.0%
<a href="#">Save the date! Building an innovative and resilient forest bioeconomy</a>	6.09.2016	1531	30.2%
<a href="#">Join us in Helsinki: Building the bioeconomy</a>	27.05.2016	1365	32.9%
<a href="#">Reminder: Media workshop, Building the bioeconomy</a>	17.05.2016	518	19.1%
<a href="#">Reminder: Building the bioeconomy</a>	13.05.2016	1332	29.9%
<a href="#">Invitation: Media workshop, Building the bioeconomy</a>	11.05.2016	513	21.6%
<a href="#">Invitation: Building the bioeconomy</a>	25.04.2016	1256	38.4%
<a href="#">Save the date! Media workshop, Building the bioeconomy</a>	18.04.2016	451	20.5%

<a href="#">Save the date! Building the bioeconomy: Insights from European strategies</a>	13.04.2016	1249	34.2%
<a href="#">Reminder: Climate policy after COP21</a>	15.02.2016	1056	37.4%
<a href="#">Invitation: Climate policy after COP21: Implications for the European forest-based sector</a>	26.01.2016	1016	45.2%

### Publication notifications

Two publication notifications were sent by email to subscribers of the Policy Support mailing list and EFI's Network News mailing list during 2016

	Date	Number of subscribers	% read
<a href="#">Forest bioeconomy - a new scope for sustainability indicators</a>	18.11.2016	1926	31.1%
<a href="#">Forest biomass, carbon neutrality and climate change mitigation</a>	12.10.2016	1878	37.2%

### Social media

#### Twitter

1,837 tweets were sent out during the course of 2016, a small increase on the previous year. By the end of 2016, the EFI Twitter account had 4,828 followers. This represents an increase of 1,505 new followers during 2016.

Twitter, 2016	Tweets	Gain in followers
Jan	91	73
Feb	145	100
Mar	155	81
Apr	137	114
May	155	126
Jun	212	200
Jul	39	116
Aug	152	116
Sep	209	120

Oct	177	108
Nov	312	182
Dec	53	162
<b>Total 2016</b>	<b>1,837</b>	<b>1,505</b>
<b>Total 2015</b>	<b>1,803</b>	<b>1,106</b>
<b>% change from previous year</b>	<b>+1.2%</b>	<b>+36%</b>

EFI's other social media channels were also utilised:

Other channels	No of policy support-related posts
Linked In	19
Facebook	51

## Videos

Ten videos were published on the EFI YouTube channel in 2016:

Video	Published	No of views 2016
<a href="#">Building an innovative and resilient forest bioeconomy</a>	15.11.2016	334
<a href="#">Building the bioeconomy: insights from European strategies</a>	08.06.2016	564
<a href="#">Climate policy after COP21: Implications for the European forest-based sector</a>	15.03.2016	503
<a href="#">Climate policy targets - How can European forests contribute? James Astill, introduction</a>	04.01.2016	128
<a href="#">Climate policy targets - How can European forests contribute? Göran Persson, welcome</a>	04.01.2016	136
<a href="#">Effective policies against climate change</a>	04.01.2016	99
<a href="#">A new role for the EU forest sector in the climate targets beyond 2020</a>	04.01.2016	108
<a href="#">Panel discussion from Climate policy targets: How can European forests contribute?</a>	04.01.2016	124
<a href="#">Statement, IFSA President May Anne Then</a>	04.01.2016	67
<a href="#">Climate policy targets - How can European forests contribute? Göran Persson, concluding remarks</a>	04.01.2016	51

Previous video material:	Published	No of views 2016	No of views 2015
Towards Paris 2015: How can the forest sector contribute?	Oct 2015	209	622
Bioeconomy is the future (Göran Persson)	Nov 2015	979	697
A new role for forests and the forest sector in climate targets (Gert-Jan Nabuurs)	Nov 2015	170	342

## Website

During 2016 the Policy Support section of the EFI website contained 189 web pages. This includes all ThinkForest web pages (137 pages). To place this in context, the EFI website contains over 7,000 webpages.

In 2016, policy support/ThinkForest web pages were viewed a total of 26,190 times by 6,769 visitors.

As a comparison, in 2015, policy support/ThinkForest web pages were viewed a total of 20,817 times, by 5,658 visitors.

### Policy support and ThinkForest webpages, 1 Jan-31 Dec 2016

#### Page views



### ThinkForest webpages, 1 Jan-31 Dec 2016

#### Page views



Web pages	Page views 2016	Page views 2015	% change	Unique visitors 2016	Unique visitors 2015	% change
<b>All policy support pages, including ThinkForest</b>	26,190	20,817*	<b>+25.73%</b>	6,769	5,658*	<b>+19.64%</b>
Policy support main landing page (policy_advice/)	4,052	3,767	<b>+7.57%</b>	1,754	1,942	<b>-9.68%</b>
Our work section (policy_advice/our_work/)	316	164	<b>+92.68%</b>	175	114	<b>+53.51%</b>
ThinkForest section (policy_advice/thinkforest/)	18,775	14,256	<b>+31.71%</b>	5,093	3,740	<b>+ 36.21%</b>
Newsletter (policy_advice/newsletter/)	560	296	<b>+89.19%</b>	267	168	<b>+ 58.93%</b>
Publications section (policy_advice/publications/)	1,583	356	<b>+344.66%</b>	637	166	<b>+283.73%</b>
Foresight and Policy Support Programme (policy_advice/fps/)	248	368	<b>- 48.76%</b>	179	256	<b>- 30.08%</b>
Funding (policy_advice/funding/)	215	112	<b>+ 91.96%</b>	147	69	<b>+113.04%</b>
Forest Europe section (policy_advice/forest_europe/)	367	578	<b>- 37.05%</b>	280	391	<b>- 28.39%</b>

*\*This figure includes pages which were moved or deleted during 2015 (eg the former FLEGT-REDD pages).*



**Table 2: Number of ThinkForest participants according to background**

<b>Participant background</b>	Climate policy after COP21: Implications for the European forest-based sector, 15 March, Brussels	Building the bioeconomy: insights from European strategies, 7 June, Helsinki	Roundtable discussion on Forest biomass sustainability and carbon neutrality, 12 October, Brussels <sup>1</sup>	Building an innovative and resilient forest bioeconomy, 15 November, Brussels
EU Parliament	13	1	8	4
European Commission	8	3	7	13
Council of the EU	-	-	-	-
Ministries	15	20	3	16
Embassies, perm. representations	13	14	2	8
Forest industry	4	19	-	9
Forest owner	9	8	-	12
NGO	11	8	-	5
Other stakeholder group	4	17	-	16
Research	13	30	2	16
Other (e.g. international org. incl. EFI)	12	20	4	29
Media	1	7	-	2
<b>TOTAL</b>	<b>103</b>	<b>147</b>	<b>26</b>	<b>130</b>

<sup>1</sup>. By invitation only, with 26 participants

**Number of MDTF countries represented in ThinkForest events (*out of 9 countries*)**

<b>Participant background</b>	Climate policy after COP21: Implications for the European forest-based sector, 15 March, Brussels	Building the bioeconomy: insights from European strategies, 7 June, Helsinki	Roundtable discussion on Forest biomass sustainability and carbon neutrality, 12 October, Brussels	Building an innovative and resilient forest bioeconomy, 15 November, Brussels
Ministries in total. From MDTF countries.	15 FIN, GER, SP	20 AUT, FIN, GER, NOR, SWE	3 FIN, GER, SWE	16 AUT, GER, FIN, NOR, SP, SWE
Embassies, perm. representations in total. From MDTF countries.	13 FIN, IRL, GER, NOR, SWE	14 AUT, GER, SWE	2 NOR, SP	8 FIN, NOR, SWE

**Table 3: Stakeholder follow-up articles related to events and publications**

<b>ThinkForest event on Climate policy after COP21: Implications for the European forest-based sector, 15 March 2016</b>				
<b>Date</b>	<b>Publisher / Stakeholder</b>	<b>Specified, article name</b>	<b>Link</b>	<b>Stakeholder background</b>
15.03. 2016	Finnish Ministry of Agriculture and Environment	Ministeri Tiilikainen: Metsillä merkittävä rooli ilmastomuutoksen hillinnässä	<a href="http://valtioneuvosto.fi/artikkeli/-/asset_publisher/ministeri-tiilikainen-metsilla-merkittava-rooli-ilmastonmuutoksen-hillinnassa?_101_INSTANCE_3wyslLo1Z0ni_groupId=1410837">http://valtioneuvosto.fi/artikkeli/-/asset_publisher/ministeri-tiilikainen-metsilla-merkittava-rooli-ilmastonmuutoksen-hillinnassa?_101_INSTANCE_3wyslLo1Z0ni_groupId=1410837</a>	Ministry
16.03. 2016	Elisabeth Köstinger, MEP	Das war "ThinkForest": Spannende Diskussionen, neue Ideen und vieles mehr	<a href="https://elli-koestinger.at/updates/das-war-thinkforest-spannende-diskussionen-neue-ideen-und-vieles-mehr">https://elli-koestinger.at/updates/das-war-thinkforest-spannende-diskussionen-neue-ideen-und-vieles-mehr</a>	MEP
16.03. 2016	Illegal logging portal (Chatham House)	Forests central to climate and bioeconomy transformation	<a href="http://www.illegal-logging.info/content/forests-central-climate-and-bioeconomy-transformation">http://www.illegal-logging.info/content/forests-central-climate-and-bioeconomy-transformation</a>	Online portal
17.03. 2016	Skogsindustrierna	"Nationell flexibilitet viktigt för att nå klimatmålen"	<a href="http://www.skogsindustrierna.se/aktuellt/nyheter/2016/03/nationell-flexibilitet-viktigt-for-att-na-klimatmalen/">http://www.skogsindustrierna.se/aktuellt/nyheter/2016/03/nationell-flexibilitet-viktigt-for-att-na-klimatmalen/</a>	Industry association

<b>ThinkForest event on Building the bioeconomy: insights from European strategies, 7 June 2016</b>				
<b>Date</b>	<b>Publisher</b>	<b>Specified, article name</b>	<b>Link</b>	<b>Publisher background</b>
07.06. 2016	Portuguese Business Council for Sustainable Development (BCSD Portugal)	Sofia Santos defende abordagens regionais e nacionais para a bioeconomia	<a href="http://www.bcsdportugal.org/noticias/bcsd/ssfinlandia">http://www.bcsdportugal.org/noticias/bcsd/ssfinlandia</a>	Non-profit association
08.06. 2016	Olli Rehn	Role of the forest-based bioeconomy (text of speech)	<a href="http://ollirehn.fi/role-of-the-forest-based-bioeconomy/">http://ollirehn.fi/role-of-the-forest-based-bioeconomy/</a>	Finnish minister and MP
13.06. 2016	Icelandic Forest Service	Aðgerða er þörf til að örva lífhagkerfið. Skógar eru miðpunktur lífhagkerfisins, segir	<a href="http://www.skogur.is/um-skograekt-rikisins/frettir/nr/2871">http://www.skogur.is/um-skograekt-rikisins/frettir/nr/2871</a>	Science

		efnahagsmálaráðherra Finnlands		
15.06. 2016	E OS European Organisation of the Sawmill Industry	"Building the Bioeconomy: Insights from European strategies". ThinkForest event on 7 June 2016	<a href="http://www.eos-oes.eu/en/news.php?id=1015">http://www.eos-oes.eu/en/news.php?id=1015</a>	European industry association
06.2016	Forest Europe	Newsletter, 1-2016	<a href="http://www.foresteuropa.org/sites/default/files/Newsletter_1_2016.pdf">http://www.foresteuropa.org/sites/default/files/Newsletter_1_2016.pdf</a>	International organisation
06.2016	IUFRO	News from members	See screenshot	Science
07.2016	French Ministry of Agriculture, Agro- Food and Forestry	La veille du CEP, July bulletin	<a href="http://agriculture.gouv.fr/sites/minagri/files/bulletin_veille_cep_juillet_2016.pdf">http://agriculture.gouv.fr/sites/minagri/files/bulletin_veille_cep_juillet_2016.pdf</a>	Ministry
01.11. 2016	Skogsindustrierna	Ex-prime ministers fight for bioeconomy	<a href="http://www.forestindustries.se/news/news/2016/11/ex-prime-ministers-fight-for-bioeconomy/">http://www.forestindustries.se/news/news/2016/11/ex-prime-ministers-fight-for-bioeconomy/</a>	Industry association
11.2016	Skogsindustrierna	Think Green Journal, November 2016	<a href="http://www.forestindustries.se/sites/eassets/dokument/forestindustries.se/think-green.pdf">http://www.forestindustries.se/sites/eassets/dokument/forestindustries.se/think-green.pdf</a>	Industry association

ThinkForest event on Building an innovative and resilient forest bioeconomy, 15 November 2016				
Date	Publisher	Specified, article name	Link	Publisher background
15.11.2016	FOREST EUROPE	Statement on the occasion of ThinkForest event Building an Innovative and Resilient Forest Bioeconomy	<a href="http://foresteurope.org/forest-europe-statement-occasion-thinkforest-event-building-innovative-resilient-forest-bioeconomy/">http://foresteurope.org/forest-europe-statement-occasion-thinkforest-event-building-innovative-resilient-forest-bioeconomy/</a>	International organisation
11.2016	GF Biochemicals	The forest-based bioeconomy could offer more potential for sustainable growth and new investments in the EU	<a href="https://www.linkedin.com/company/gfbiochemicals/comments?topic=6205005446361677824&amp;type=U&amp;scope=9325097&amp;stype=C&amp;author=aMm9">https://www.linkedin.com/company/gfbiochemicals/comments?topic=6205005446361677824&amp;type=U&amp;scope=9325097&amp;stype=C&amp;author=aMm9</a>	Industry

**Table 4: Media coverage**

<b>ThinkForest event on Climate policy after COP21: Implications for the European forest-based sector, 15 March 2016</b>			
<b>Publisher</b>	<b>Type of publication</b>	<b>Article name</b>	<b>Link</b>
AlphaGalileo	Global news distributor	Forests central to climate and bioeconomy transformation	<a href="http://www.alphagalileo.org/ViewItem.aspx?ItemId=162263&amp;CultureCode=en">http://www.alphagalileo.org/ViewItem.aspx?ItemId=162263&amp;CultureCode=en</a>
Phys.Org	Global science news distributor	Forests central to climate and bioeconomy transformation	<a href="http://phys.org/wire-news/219748259/forests-central-to-climate-and-bioeconomy-transformation.html">http://phys.org/wire-news/219748259/forests-central-to-climate-and-bioeconomy-transformation.html</a>
Metsälehti	Finnish national publication, focusing on forestry	Tiilikainen: Alue-erot huomioitava EU:n ilmastopolitiikassa	<a href="http://www.metsalehti.fi/Metsalehti/Metsauutiset/2016/3/Tiilikainen-Alue-erot-huomioitava-EUn-ilmastopolitiikassa/">http://www.metsalehti.fi/Metsalehti/Metsauutiset/2016/3/Tiilikainen-Alue-erot-huomioitava-EUn-ilmastopolitiikassa/</a>
Turun Sanomat	Finnish regional newspaper	Ministeri Tiilikainen: Tarvitaan ilmastoviisasta politiikkaa	<a href="http://www.ts.fi/uutiset/kotimaa/854824/Ministeri+Tiilikainen+Tarvitaan+ilmastoviisasta+politiikkaa">http://www.ts.fi/uutiset/kotimaa/854824/Ministeri+Tiilikainen+Tarvitaan+ilmastoviisasta+politiikkaa</a>
Verkkouutiset	Finnish political magazine	Ministeri Tiilikainen: Metsillä merkittävä rooli ilmastomuutoksen hillinnässä	<a href="http://www.verkkouutiset.fi/politiikka/tiilikainen%20metsat%20ilmasto-47976">http://www.verkkouutiset.fi/politiikka/tiilikainen%20metsat%20ilmasto-47976</a>
Pappers Tidning & BioBusiness	Swedish industry magazine	"Reducerar totala klimatpåverkan"	<a href="http://papernet.se/alla/nyheter/reducerar-totala-klimatpaverkan/">http://papernet.se/alla/nyheter/reducerar-totala-klimatpaverkan/</a>
Skogsupply	Swedish print/online newspaper, focusing on timber industry	"Skogsbruket behöver enklare regelverk"	<a href="http://www.skogsupply.se/article/view/245181/skogsbruket-behoover-enklare-regelverk.VuvacvJPriU">http://www.skogsupply.se/article/view/245181/skogsbruket-behoover-enklare-regelverk.VuvacvJPriU</a>
The Journal	UK regional newspaper	Paul Brannen (MEP) monthly column (reprinted on his website)	<a href="http://northeastlabour.eu/pauls-latest-journal-column-5">http://northeastlabour.eu/pauls-latest-journal-column-5</a>
<b>ThinkForest event on Building the bioeconomy: insights from European strategies, 7 June 2016</b>			
AlphaGalileo	Global news distributor	Don't just make plans, open opportunities	<a href="http://www.alphagalileo.org/ViewItem.aspx?ItemId=164980&amp;CultureCode=en">http://www.alphagalileo.org/ViewItem.aspx?ItemId=164980&amp;CultureCode=en</a>
Insinööri-lehti, issue 5/2016	Finnish industry magazine	Metsäbiotalouden eurooppalaisia strategioita	<a href="http://www.insinoori-lehti.fi/sites/insinoori-lehti.fi/files/pdf/insinoori-05-2016.pdf">http://www.insinoori-lehti.fi/sites/insinoori-lehti.fi/files/pdf/insinoori-05-2016.pdf</a>
Kauppalehti	Finnish national business newspaper	Halpa öljy on biotaloudelle mahdollisuus eikä uhka	<a href="http://app.kauppalehti.fi/uutiset/halpa-oljy-on-biotaloudelle-mahdollisuus-eika-uhka/iGVSKPyw">http://app.kauppalehti.fi/uutiset/halpa-oljy-on-biotaloudelle-mahdollisuus-eika-uhka/iGVSKPyw</a>
Kauppalehti	Finnish national business newspaper	Aho ja Persson: Hiilelle saatava globaali hinta	<a href="http://app.kauppalehti.fi/uutiset/aho-ja-persson-hiilelle-saatava-globaali-hinta/dwAA5MyS">http://app.kauppalehti.fi/uutiset/aho-ja-persson-hiilelle-saatava-globaali-hinta/dwAA5MyS</a>

Metsälehti	Finnish national publication, focusing on forestry	Suomi biotalouden edelläkävijöitä Euroopassa	<a href="http://www.metsalehti.fi/Metsalehti/Metsauutiset/2016/6/Suomi-biotalous-edellakavijoita-Euroopassa/">http://www.metsalehti.fi/Metsalehti/Metsauutiset/2016/6/Suomi-biotalous-edellakavijoita-Euroopassa/</a>
MOT programme, YLE	Finnish national broadcaster	Vihreä kulta vaarassa: käsikirjoitus (programme broadcast 12.09.2016)	<a href="http://yle.fi/aihe/artikkeli/2016/09/12/vihrea-kulta-vaarassa-kasikirjoitus">http://yle.fi/aihe/artikkeli/2016/09/12/vihrea-kulta-vaarassa-kasikirjoitus</a>
Frankfurter Allgemeine Zeitung (FAZ)	German daily newspaper	Da wächst neues Öl heran	<a href="http://plus.faz.net/evr-editions/2016-07-08/37470/252602.html">http://plus.faz.net/evr-editions/2016-07-08/37470/252602.html</a>
Farming Monthly (UK)	UK monthly industry magazine	'Don't just make plans – open opportunities'	<a href="http://www.farmingmonthly.co.uk/farming-environment/forestry/10584-dont-just-make-plans-open-opportunities/">http://www.farmingmonthly.co.uk/farming-environment/forestry/10584-dont-just-make-plans-open-opportunities/</a>
<b>ThinkForest event on Building an innovative and resilient forest bioeconomy, 15 November 2016</b>			
AlphaGalileo	Global news distributor	New science-policy study: Forest bioeconomy - a new role for sustainability indicators	<a href="http://www.alphagalileo.org/ViewItem.aspx?ItemId=169937&amp;CultureCode=en">http://www.alphagalileo.org/ViewItem.aspx?ItemId=169937&amp;CultureCode=en</a>
Médiaterre	French online portal for sustainable development news	Bâtir une bioéconomie forestière forte et résiliente	<a href="http://www.mediaterrre.org/actu,20161118175818,1.html">http://www.mediaterrre.org/actu,20161118175818,1.html</a>
ATL (Lantbrukets Affärstidning)	Swedish newspaper focusing on agriculture	"Inom bioekonomi kan skog spela en viktig roll"	<a href="http://www.atl.nu/skog/inom-bioekonomi-kan-skog-spela-en-viktig-roll/">http://www.atl.nu/skog/inom-bioekonomi-kan-skog-spela-en-viktig-roll/</a>

**Table 5: Publication citations**

<b>From Science to Policy 1: Assessment of the EU Timber Regulation and FLEGT Action Plan</b> Published 21 April 2015			
<b>Citations</b>			
Laura Secco, Matteo Favero, Mauro Masiero, Davide Matteo Pettenella	Land Use Policy, Volume 62, March 2017 (published online 28.12.2016)	Failures of political decentralization in promoting network governance in the forest sector: Observations from Italy	<a href="http://dx.doi.org/10.1016/j.landusepol.2016.11.013">http://dx.doi.org/10.1016/j.landusepol.2016.11.013</a>
Niels Janzen, Holger Weimar	Drewno. 2016, Vol. 59 Issue 197	Market coverage of the EUTR - what share of wood imports into the EU is covered by the EUTR?	<a href="http://drewno-wood.pl/pobierz-255">http://drewno-wood.pl/pobierz-255</a>
Y T Tegegne	University of Helsinki PhD thesis, 2016	FLEGT and REDD+ synergies and impacts in the Congo Basin: lessons for global forest governance	<a href="https://helda.helsinki.fi/bitstream/handle/10138/169117/FLEGTand.pdf?sequence=1">https://helda.helsinki.fi/bitstream/handle/10138/169117/FLEGTand.pdf?sequence=1</a>
	European Environment Agency Report No 5/2016 (Published 29.04.2016)	European forest ecosystems - State and trends	<a href="http://www.eea.europa.eu/publications/european-forest-ecosystems">http://www.eea.europa.eu/publications/european-forest-ecosystems</a>
K Matsson,	SLU Master's thesis (2015)	The impact of the EU Timber Regulation on the Bosnia and Herzegovinian export of processed wood	<a href="http://stud.epsilon.slu.se/8077/1/Matsson_K_20150622.pdf">http://stud.epsilon.slu.se/8077/1/Matsson_K_20150622.pdf</a>
Ines Gavrilut, Aureliu-Florin Halalisan, Alexandru Giurca, and Metodi Sotirov	Forests 2016, 7(1), 3 (Published 22.12.2015)	The Interaction between FSC Certification and the Implementation of the EU Timber Regulation in Romania	<a href="http://www.mdpi.com/1999-4907/7/1/3/htm">http://www.mdpi.com/1999-4907/7/1/3/htm</a>
	UNECE (Published 10.11.2015)	Forest Products Annual Market Review 2014-2015	<a href="https://issuu.com/unpublications/docs/9789210575607/41">https://issuu.com/unpublications/docs/9789210575607/41</a>
Mauro Masiero, Davide Pettenella, and Paolo Omar Cerutti	Forests 2015, 6, 3452-3482 (Published 30.09.2015)	Legality Constraints: The Emergence of a Dual Market for Tropical Timber Products?	<a href="http://www.cifor.org/publications/pdf_files/articles/ACerutti1502.pdf">http://www.cifor.org/publications/pdf_files/articles/ACerutti1502.pdf</a>
Holger Weimar, Niels Janzen and Matthias Dieter	Thünen Institute of International Forestry and Forest Economics	Market coverage of wood imports by the EU Timber Regulation	<a href="https://www.ti.bund.de/media/publikationen/thuenen-workingpaper/ThuenenWorkingPaper_45.pdf">https://www.ti.bund.de/media/publikationen/thuenen-workingpaper/ThuenenWorkingPaper_45.pdf</a>



	Thünen Working Paper 45 (Published 08.2015)		
Nicola Andrighetto, Davide Pettenella and Mauro Masiero	IUFRO Proceedings of the 13th International Symposium: Legal Aspects of European Forest Sustainable Development, May 2015	Illegal Activities in the Italian Wood-Energy Sector and Potential Impacts on Regulation (EU) 995/2010 (EU Timber Regulation)	<a href="http://www.unitbv.ro/Portals/64/internationalizare/Proceedings%20IUFRO%20Brasov%202015.pdf">http://www.unitbv.ro/Portals/64/internationalizare/Proceedings%20IUFRO Brasov 2015.pdf</a>
Ed Pepke	Dovetail Partners (Published 28.04.2015)	Impacts of Policies to Eliminate Illegal Timber Trade	<a href="http://www.dovetailinc.org/report_pdfs/2015/dovetailtrade_policyimpacts0515.pdf">http://www.dovetailinc.org/report_pdfs/2015/dovetailtrade_policyimpacts0515.pdf</a>
<b>Presentations</b>			
Georg Winkel, EFI	IUFRO WFSE Seminar "Forests & development: from development discourses to providing data for decision making", Helsinki, 1.3.2016	Green protectionism or a breakthrough for sustainable management - different narratives on illegal logging across the globe	<a href="http://www.iufro.org/science-for-policy/article/2016/03/15/forests-and-development-from-development-discourses-to-providing-data-for-decision-making/">http://www.iufro.org/science-for-policy/article/2016/03/15/forests-and-development-from-development-discourses-to-providing-data-for-decision-making/</a>
<b>Stakeholders</b>			
	Illegal Deforestation Monitor, 29.09.2016	Comment: Why voluntary policies will not stop deforestation	<a href="http://www.farmlandgrab.org/post/view/26549-comment-why-voluntary-policies-will-not-stop-deforestation">http://www.farmlandgrab.org/post/view/26549-comment-why-voluntary-policies-will-not-stop-deforestation</a>

<b>From Science to Policy 2: A new role for forests and the forest sector in the EU post-2020 climate targets</b> Published 1 December 2015			
<b>Citations</b>			
Richard Sikkema, Jean Francois Dallemand, Cristina T. Matos, Marijn van der Velde & Jesus San-Miguel-Ayanz	Scandinavian Journal of Forest Research just-accepted (2016): 1-17 (Published online 20.10.2016)	How can the ambitious goals for the EU's future bioeconomy be supported by sustainable and efficient wood sourcing practices?	<a href="http://www.tandfonline.com/doi/abs/10.1080/02827581.2016.1240228">http://www.tandfonline.com/doi/abs/10.1080/02827581.2016.1240228</a>
Pere Pons and Josep Rost	Conservation Biology, 2016  (Published 4.10.2016)	The challenge of conserving biodiversity in harvested burned forests	<a href="http://onlinelibrary.wiley.com/doi/10.1111/cobi.12767/abstract">http://onlinelibrary.wiley.com/doi/10.1111/cobi.12767/abstract</a>
Roberto Pilli, Giacomo Grassi, Werner A. Kurz, Jose V. Moris, Raúl Abad Viñas	Carbon Balance and Management, 2016, 11: 20  (Published 26.08.2016)	Modelling forest carbon stock changes as affected by harvest and natural disturbances. II. EU-level analysis	<a href="http://link.springer.com/article/10.1186/s13021-016-0059-4">http://link.springer.com/article/10.1186/s13021-016-0059-4</a>
Marion Pause, Christian Schweitzer, Michael Rosenthal, Vanessa Keuck, Jan Bumberger, Peter Dietrich, Marco Heurich, Andrés Jung and Angela Lausch	Remote Sensing 2016, 8(6), 471  (Published 3.06.2016)	In Situ/Remote Sensing Integration to Assess Forest Health—A Review	<a href="http://www.mdpi.com/2072-4292/8/6/471/html">http://www.mdpi.com/2072-4292/8/6/471/html</a>
Alexandre Strapasson, Jeremy Woods and Kofi Mbuk	Grantham Institute, Briefing paper No 17, March 2016	Land use futures in Europe: How changes in diet, agricultural practices and forestlands could help reduce greenhouse gas emissions	<a href="https://www.imperial.ac.uk/media/imperial-college/grantham-institute/public/publications/briefing-papers/Land-Use-Futures-in-Europe---web-version-v3.pdf">https://www.imperial.ac.uk/media/imperial-college/grantham-institute/public/publications/briefing-papers/Land-Use-Futures-in-Europe---web-version-v3.pdf</a>
Philippe Delacote, A. Maarit, I. Kallio	Journal of Forest Economics, Volume 23, April 2016  (Published online 17.2.2016)	Forests and climate: New insights from forest sector modeling	<a href="http://www.sciencedirect.com/science/article/pii/S1104689916000040">http://www.sciencedirect.com/science/article/pii/S1104689916000040</a>
Giulia Corradini	University of Padova, PhD thesis	Market based instruments applications to non-wood forest products and services	<a href="http://paduaresearch.cab.unipd.it/9501/">http://paduaresearch.cab.unipd.it/9501/</a>

	(Published 31.01.2016)		
<b>Presentations</b>			
Gert-Jan Nabuurs, Alterra	Swiss Federal Institute for Forest, Snow and Landscape Research, Birmensdorf, 31.07.2017	Invited distinguished lecture: EU forests and the forest sector in climate mitigation targets: facing new challenges	
Marcus Lindner, EFI	"Landwirtschaft und Umwelt": Wege für mehr Klimaschutz, BMEL, Berlin. 13.12.2016		<a href="http://www.bmel.de/DE/Landwirtschaft/Nachhaltige-Landnutzung/Klimawandel/_Texte/FachtagungKlimaschutzgutachten.html">http://www.bmel.de/DE/Landwirtschaft/Nachhaltige-Landnutzung/Klimawandel/_Texte/FachtagungKlimaschutzgutachten.html</a>
Gert-Jan Nabuurs, Alterra	Forum2000, Prague, Czech Republic 18.10.2016	Keynote presentation: Potential of EU forest in achieving climate targets as well a bio-economy targets	
Rupert Oliver, Forest Industries Intelligence	74th session of the UNECE Committee on Forests and the Forest Industry, Geneva, Switzerland 18.10.2016	Cited in: Overview of European wood market	<a href="https://www.unece.org/fileadmin/DAM/timber/meetings/20161018/coffi74-item3a1-01-oliver.pdf">https://www.unece.org/fileadmin/DAM/timber/meetings/20161018/coffi74-item3a1-01-oliver.pdf</a>
Gert-Jan Nabuurs, Alterra	Marcus Wallenberg Prize Selection Committee, 09.10.2016	Speech: Introduction to Europe's forests challenges	
Gert-Jan Nabuurs, Alterra	Forest and Sustainable Development, Brasov, Romania, 07.10.2016	Keynote presentation: EU forest for achieving climate targets as well as bio-economy targets	
Gert-Jan Nabuurs, Alterra	Climate-KIC Land use theme meeting, Zürich, Switzerland 29.09.2016	Speech: European forests, issues and challenges	
Lauri Hetemäki, EFI	Climate Diplomacy Week seminar, Helsinki 16.09.2016	EU climate policy and forest- based sector	<a href="http://www.syke.fi/download/noname/%7B28B8406A-F556-4540-939C-377D48C5F641%7D/121633">http://www.syke.fi/download/noname/%7B28B8406A-F556-4540-939C-377D48C5F641%7D/121633</a>
Gert-Jan Nabuurs, Alterra	Bioenergy platform, Middachten, the	Presentation: Climate smart forestry in Netherlands: possibilities in bio-economy	

	Netherlands, 07.07.2016		
Gert-Jan Nabuurs, Alterra	KSLA seminar: Forests, bioenergy and global climate, Stockholm, Sweden, 22.06.2016	Trends in European forest resources	
Marcus Lindner, EFI	Sustainable production of forest biomass for Northern Europe in a climate change context. Copa and Cogeca working party on forestry, Brussels 08.06.2016		
Hans Verkerk, EFI	USSE Seminar, San Sebastián, Spain 25.05.2016	The role of European forests in mitigating climate change.	
Marcus Lindner, EFI	Sustainable production of forest biomass for Northern Europe in a climate change context. Joint EFINORD – SNS seminar, Oslo 24.05.2016	A new role of forests and the forest sector in the EU post- 2020 climate targets	<a href="http://www.efinord.efi.int/portal/efinord_sns_-_nkj_joint_seminar_24_may_2016_afternoon_presentations_available/">http://www.efinord.efi.int/portal/efinord_sns_-_nkj_joint_seminar_24_may_2016_afternoon_presentations_available/</a>
Gert-Jan Nabuurs, Alterra	Stakeholder conference 'A sustainable bioeconomy policy after 2020', European Commission, DG Energy, Brussels, Belgium 12.05.2016	Invited talk: Can Europe's forests supply sustainably?	
Gert-Jan Nabuurs, Alterra	Managing European Forests Responsibly for People, Climate and Nature conference, EUSTAFOR, Brussels 05.04.2016	Keynote presentation: "A new role for forests and the forest sector in the EU post-2020 climate targets"	<a href="http://eustafor.eu/uploads/FINAL_Program_Managing-European-Forests-Responsibly_4_2016_Website.pdf">http://eustafor.eu/uploads/FINAL_Program_Managing-European-Forests-Responsibly_4_2016_Website.pdf</a>

Gert-Jan Nabuurs, Alterra	UNECE, Joint ECE/FAO Working Party on Forest Statistics, Economics and Management, Geneva 24.03.2016	Post Paris: the role of Research	<a href="http://www.unece.org/index.php?id=41852#/">http://www.unece.org/index.php?id=41852#/</a>
Gert-Jan Nabuurs, Alterra	Royal Dutch Forestry Association, Zeewolde, the Netherlands, 01.04.2016	Invited lecture: The Paris Agreement; implication for European Forest Management	
Gert-Jan Nabuurs, Alterra	EASAC meeting with European Commission stakeholders, Brussels, Belgium 16.02.2016	European forests and carbon cycle	
Gert-Jan Nabuurs, Alterra	Imperial College London 03.02.2016	Lecture, The post-Paris role of the EU's forests in combating climate change	<a href="http://www3.imperial.ac.uk/newsandeventspggrp/imperialcollege/administration/energyfutureslab/eventsummary/event_2-2-2016-12-52-42">http://www3.imperial.ac.uk/newsandeventspggrp/imperialcollege/administration/energyfutureslab/eventsummary/event_2-2-2016-12-52-42</a>
Gert-Jan Nabuurs, Alterra	IEA task 43 meeting Wageningen, the Netherlands	European forests for the Bioeconomy	
Antti Arasto, VTT	Aalto University 15.01.2016	Lecture on Sustainability and availability of biomass	<a href="https://mycourses.aalto.fi/pluginfile.php/182706/mod_folder/content/0/Lecture%20Arasto-150116.pdf?forcedownload=1">https://mycourses.aalto.fi/pluginfile.php/182706/mod_folder/content/0/Lecture%20Arasto-150116.pdf?forcedownload=1</a>
<b>Policymakers</b>			
	Staatsbosbeheer, Netherlands  (Published 10.2016)	Actieplan bos en hout	<a href="https://www.staatsbosbeheer.nl/~media/09-nieuws/actieplan_bos_en_hout.pdf?la=nl-nl">https://www.staatsbosbeheer.nl/~media/09-nieuws/actieplan_bos_en_hout.pdf?la=nl-nl</a>
Paul Brannen, MEP	UK Parliament (17.10.2016)	Submission to the 2016 House of Commons Inquiry "Forestry in England"	<a href="http://www.northeastlabour.eu/sites/default/files/attachments/Forestry%20in%20England%20-%20inquiry%20submission%20Paul%20Brannen%20MEP.docx">http://www.northeastlabour.eu/sites/default/files/attachments/Forestry%20in%20England%20-%20inquiry%20submission%20Paul%20Brannen%20MEP.docx</a>

Media			
Paul Brannen, MEP	The Journal (UK regional newspaper)	Monthly column, March 2016	<a href="http://www.northeastlabour.eu/pauls-latest-journal-column-5">http://www.northeastlabour.eu/pauls-latest-journal-column-5</a>
Paul Brannen, MEP	Revolve Media	Value of Wood in Construction – Interview with MEP Paul Brannen	<a href="http://revolve.media/the-value-of-wood-in-construction-interview-with-mep-paul-brannen/">http://revolve.media/the-value-of-wood-in-construction-interview-with-mep-paul-brannen/</a>
Stakeholders			
	FEDENATUR (European Association of Periurban Parks)	Publication: A new role for forests and the forest sector in the EU post-2020 climate targets	<a href="http://www.fedenatur.org/im/others/publication-a-new-role-for-forests-and-the-forest-sector-in-the-eu-post-2020-climate-targets">http://www.fedenatur.org/im/others/publication-a-new-role-for-forests-and-the-forest-sector-in-the-eu-post-2020-climate-targets</a>
	Sveaskog	Report on Eustafor's April 2016 event, featuring study	<a href="http://www.sveaskog.se/press-och-nyheter/nyheter-och-pressmeddelanden/2016/skogen-pa-kartan-i-bryssel/">http://www.sveaskog.se/press-och-nyheter/nyheter-och-pressmeddelanden/2016/skogen-pa-kartan-i-bryssel/</a>
	Skog supply: Skogen på kartan i Bryssel	Report on Eustafor's April 2016 event, featuring study	<a href="http://www.skog-supply.se/article/view/247794/skogen_pa_kartan_i_bryssel#.Vwx6pvJPrlU">http://www.skog-supply.se/article/view/247794/skogen_pa_kartan_i_bryssel#.Vwx6pvJPrlU</a>
	EUSTAFOR	Brochure: European state forests boost the bioeconomy	<a href="http://www.eustafor.eu/uploads/eustafor_brochure_bioeconomy_web.pdf">http://www.eustafor.eu/uploads/eustafor_brochure_bioeconomy_web.pdf</a>
	UNAC (União das Organizações de Agricultores para o Desenvolvimento da Charneca), Portugal	Newsletter: Após a assinatura do Acordo de Paris sobre as alterações climáticas ( COP 21 Paris) - qual a relevância para as Florestas?	<a href="http://us12.campaign-archive2.com/?u=8f90a6ab57bf9bcdec71ad13d&amp;id=76268c3628&amp;e=48c2147fed">http://us12.campaign-archive2.com/?u=8f90a6ab57bf9bcdec71ad13d&amp;id=76268c3628&amp;e=48c2147fed</a>
	CEPF	Confederation of European Forest Owners' position on the inclusion of LULUCF in the EU 2030 Climate and Energy framework	<a href="http://www.cepf-eu.org/vedl/CEPF%20position%20on%20LULUCF_June%202016.pdf">http://www.cepf-eu.org/vedl/CEPF%20position%20on%20LULUCF_June%202016.pdf</a>
	Groen Kennisnet	Groeiende vraag naar hout	<a href="https://www.groenkennisnet.nl/nl/groenkennisnet/show/Groeiende-vraag-naar-hout.htm">https://www.groenkennisnet.nl/nl/groenkennisnet/show/Groeiende-vraag-naar-hout.htm</a>

<b>From Science to Policy 3: Forest biomass, carbon neutrality and climate change mitigation</b> Published 12 October 2016			
Citations			
	European Environment Agency Report No 30/2016 (Published 09.12.2016)	Environmental indicator report 2016 – In support to the monitoring of the 7th Environment Action Programme	<a href="http://www.eea.europa.eu/airs/2016/natural-capital/forest-utilisation">http://www.eea.europa.eu/airs/2016/natural-capital/forest-utilisation</a>
Presentations			
Marcus Lindner, EFI	"Landwirtschaft und Umwelt": Wege für mehr Klimaschutz, BMEL, Berlin. 13.12.2016		<a href="http://www.bmel.de/DE/Landwirtschaft/Nachhaltige-Landnutzung/Klimawandel/_Texte/FachtagungKlimaschutzgutachten.html">http://www.bmel.de/DE/Landwirtschaft/Nachhaltige-Landnutzung/Klimawandel/_Texte/FachtagungKlimaschutzgutachten.html</a>
Gustaf Egnell, Swedish University of Agricultural Sciences	Sustainable use of bioenergy seminar (hosted by Christofer Fjellner MEP), European Parliament 07.12.2016	"Forest Biomass, Carbon Neutrality and Climate Change Mitigation," outcomes of the latest From Science to Policy report	<a href="http://www.forestindustries.se/news/news/2016/12/crowded-seminar-on-sustainable-bioenergy/">http://www.forestindustries.se/news/news/2016/12/crowded-seminar-on-sustainable-bioenergy/</a>  <a href="https://www.svensktnaringsliv.se/english/sustainable-use-of-bioenergy_663595.html">https://www.svensktnaringsliv.se/english/sustainable-use-of-bioenergy_663595.html</a>
Marcus Lindner, EFI	Sustainable Forest Biomass in light of Paris COP21, EBCD seminar, European Parliament 1.12.2016	"Forest Biomass, Carbon Neutrality and Climate Change Mitigation," outcomes of the latest From Science to Policy report	<a href="http://ebcd.org/wp-content/uploads/2016/11/DraftAgenda-4.pdf">http://ebcd.org/wp-content/uploads/2016/11/DraftAgenda-4.pdf</a>
Göran Berndes	EU Bioenergy Sustainability Policy –seminar, Finnish Permanent Representation in Brussels 07.10.2016	Bioenergy and its impact on greenhouse gas mitigation – science and policy implications	<a href="http://tem.fi/en/eu-bioenergy-sustainability-policy">http://tem.fi/en/eu-bioenergy-sustainability-policy</a>
Media			
	Canadian Biomass magazine	Climate benefits of biomass energy	<a href="http://www.canadianbiomassmagazine.ca/pellets/climate-benefits-of-biomass-energy-6004">http://www.canadianbiomassmagazine.ca/pellets/climate-benefits-of-biomass-energy-6004</a>



	Médiaterre (French sustainable development portal)	La biomasse forestière, la neutralité carbone et la mitigation des changements climatiques	<a href="http://www.mediatorre.org/actu,20161016162212,1.html">http://www.mediatorre.org/actu,20161016162212,1.html</a>
	ENDS Waste and Bioenergy		<a href="http://www.endswasteandbioenergy.com/">http://www.endswasteandbioenergy.com/</a>
	Alpha Galileo (science news)	New science-policy study: Forest biomass, carbon neutrality and climate change mitigation	<a href="http://www.alphagalileo.org/ViewItem.aspx?ItemId=168822&amp;CultureCode=en">http://www.alphagalileo.org/ViewItem.aspx?ItemId=168822&amp;CultureCode=en</a>
<b>Stakeholders</b>			
	Forest Energy Blog (Cost Action FP0902 and IEA Bioenergy Task 43)	“Forest biomass, carbon neutrality and climate change mitigation” - a new report now published!	<a href="http://blog.forestenergy.org/2016/10/forest-biomass-carbon-neutrality-and.html">http://blog.forestenergy.org/2016/10/forest-biomass-carbon-neutrality-and.html</a>
	Climate Etc Forum	Week in review, science edition	<a href="https://judithcurry.com/2016/10/22/week-in-review-science-edition-60/">https://judithcurry.com/2016/10/22/week-in-review-science-edition-60/</a>
	Chalmers University, Sweden	Ambitiös rapport ger nya insikter om biomassans roll för klimatet	<a href="http://www.chalmers.se/sv/institutioner/ee/nyheter/Sidor/Ambiti%C3%B6s-rapport-ger-nya-insikter-om-biomassans-roll.aspx">http://www.chalmers.se/sv/institutioner/ee/nyheter/Sidor/Ambiti%C3%B6s-rapport-ger-nya-insikter-om-biomassans-roll.aspx</a>
	Chalmers University, Sweden	New insight into the climate change effects of biomass	<a href="http://www.chalmers.se/en/departments/ee/news/Pages/New-insight-in-forest-biomass.aspx">http://www.chalmers.se/en/departments/ee/news/Pages/New-insight-in-forest-biomass.aspx</a>
	GREBE renewable energy blog	Forest biomass, carbon neutrality and climate change mitigation	<a href="https://greberenewableenergyblog.wordpress.com/2016/10/27/forest-biomass-carbon-neutrality-and-climate-change-mitigation/">https://greberenewableenergyblog.wordpress.com/2016/10/27/forest-biomass-carbon-neutrality-and-climate-change-mitigation/</a>
	Latvian Forest Owners' Association	Ziemeļvalstīs aktuāla enerģijai izmantojamās koksnes nākotne	<a href="http://www.mezaispasnieki.lv/lv/jaunumi/zieme%C4%BCvalst%C4%ABs_aktu%C4%81la_ener%C4%A3ijai_izmantojam%C4%81s_koksnes_n%C4%81kotne/">http://www.mezaispasnieki.lv/lv/jaunumi/zieme%C4%BCvalst%C4%ABs_aktu%C4%81la_ener%C4%A3ijai_izmantojam%C4%81s_koksnes_n%C4%81kotne/</a>
	CEPF	Debate over climate benefits of bioenergy continues – new EFI study sheds light on the issue	<a href="http://www.cepf-eu.org/artikkel.cfm?ID_art=937">http://www.cepf-eu.org/artikkel.cfm?ID_art=937</a>
	CEPF newsletter, November 2016	Debate over climate benefits of bioenergy continues – new EFI study sheds light on the issue	<a href="http://us9.campaign-archive1.com/?u=847fd77a8fc19389ad80399f3&amp;id=dac7f152af&amp;e=a379a399ef">http://us9.campaign-archive1.com/?u=847fd77a8fc19389ad80399f3&amp;id=dac7f152af&amp;e=a379a399ef</a>
	FOCALI (Swedish research network)	EFI report: Forest biomass, carbon neutrality and climate change mitigation	<a href="http://www.focali.se/en/artikles/artikelarkiv/european-forest-institute-report-forest-biomass-carbon-">http://www.focali.se/en/artikles/artikelarkiv/european-forest-institute-report-forest-biomass-carbon-</a>

			<a href="#">neutrality-and-climate-change-mitigation</a>
	Nordic Forest Research	New publication: Forest biomass, carbon neutrality and climate change mitigation	<a href="http://www.nordicforestresearch.org/blog/2016/11/10/new-publication-forest-biomass-carbon-neutrality-and-climate-change-mitigation/">http://www.nordicforestresearch.org/blog/2016/11/10/new-publication-forest-biomass-carbon-neutrality-and-climate-change-mitigation/</a>
	EUSTAFOR	Press release 01.12.2016 The day after the European Commission publishes its Clean Energy package European state forest managers provide evidence of the sustainability of forest biomass	<a href="http://www.eustafor.eu/uploads/EUSTAFOR_press_release_Sustainability_of_Forest_Biomass_20161201_a.pdf">http://www.eustafor.eu/uploads/EUSTAFOR_press_release_Sustainability_of_Forest_Biomass_20161201_a.pdf</a>
	Global Wood Markets	Sustainable Forest Biomass in the light of COP21 (Paris) conference at the European Parliament	<a href="https://www.globalwoodmarketsinfo.com/european-forests-biomass-potential-discussed-during-sustainable-forest-biomass-conference/">https://www.globalwoodmarketsinfo.com/european-forests-biomass-potential-discussed-during-sustainable-forest-biomass-conference/</a>
	EOS – European Organisation of the Sawmill Industry	Sustainable Forest Biomass in the light of COP21 (Paris)	<a href="http://www.eos-oes.eu/en/news.php?id=1114">http://www.eos-oes.eu/en/news.php?id=1114</a>
	EUSTAFOR	Evidence of sustainability of forest biomass presented today by State Forest Managers	<a href="http://www.eustafor.eu/evidence-of-sustainable-forest-management-presented-today-by-state-forest-managers/">http://www.eustafor.eu/evidence-of-sustainable-forest-management-presented-today-by-state-forest-managers/</a>
	Wood Pellet Association of Canada	Climate benefits of biomass energy	<a href="http://www.pellet.org/wpac-news/climate-benefits-of-biomass-energy">http://www.pellet.org/wpac-news/climate-benefits-of-biomass-energy</a>

<b>From Science to Policy 4: Forest bioeconomy – a new scope for sustainability indicators</b> Published 15 November 2016			
Stakeholders			
	SISEF (Società Italiana di Selvicoltura ed Ecologia Forestale)	Newsletter, December 2016	<a href="https://sisefnews.org/2016/12/05/forest-bioeconomy-a-new-scope-for-sustainability-indicators/">https://sisefnews.org/2016/12/05/forest-bioeconomy-a-new-scope-for-sustainability-indicators/</a>
	Commonwealth Forestry Association	Newsletter, December 2016	<a href="https://issuu.com/cfa_newsletter/docs/webcfa_newsletter_december_2016">https://issuu.com/cfa_newsletter/docs/webcfa_newsletter_december_2016</a>



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