



# Support for Advanced Biofuels Stakeholders in Central, East and South-East Europe

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**Central European Initiative**

*EU-Eastern Partnership STI Cooperation  
in Addressing Energy Research and Innovation*

*Policy Stakeholders Conference  
Minsk. October 12-13, 2015*

The Central European Initiative (CEI) was established in 1989 as the first intergovernmental forum promoting regional cooperation in Central, East and South-East Europe.



The CEI has now 18 Members, spreading from the Adriatic to the Black Sea and the Baltic, with a population of more than 240 million

- ✓ 10 are EU Member States
- ✓ 8 are at different levels of relationship with the EU
- ✓ CEI Members might be very different, but consolidated a shared vision and a common mission
- ✓ Since 1996, CEI has its operational arm in the **Executive Secretariat** established in Trieste with the status of an International Organisation

The CEI operates flexibly to promote intergovernmental, inter-parliamentary and business cooperation, and is committed to supporting EU integration through collaboration among its Member Countries and with the EU, international and regional organisations.

## Regional Cooperation for European Integration

while providing

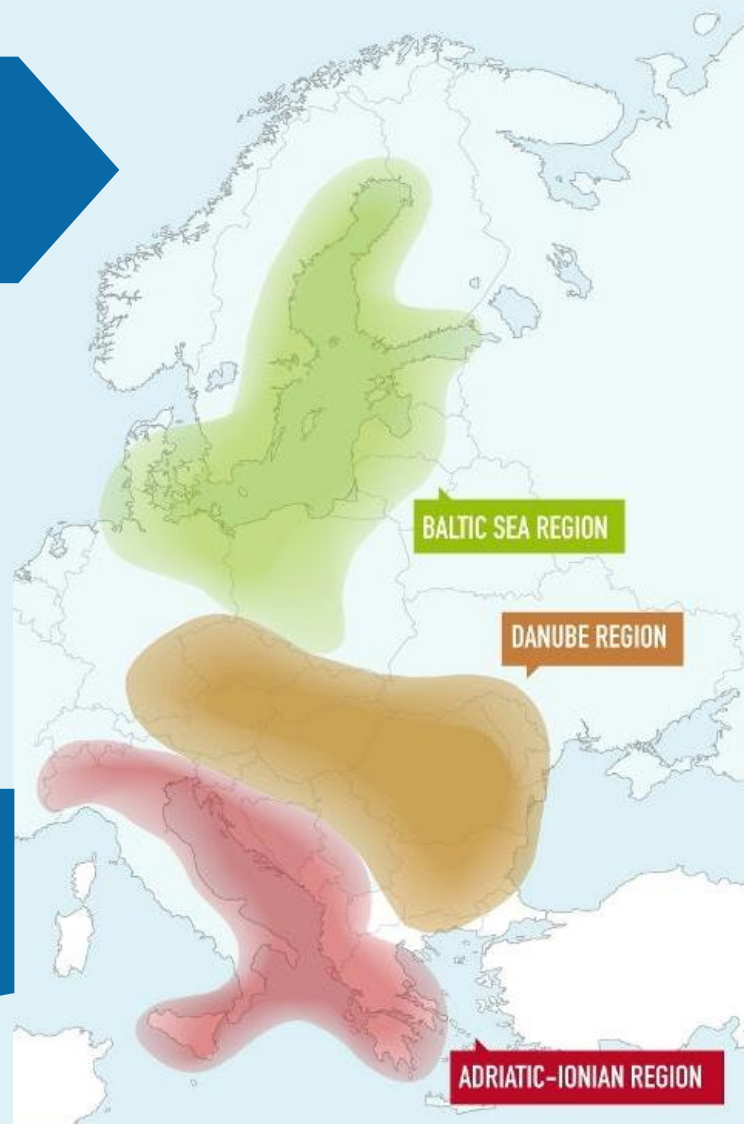
### A Bridge between Macroregions

#### *Overlapping membership*

- 1 within the EUSBR →*
- 13 out of 14 Countries encompassed by the EUSDR →*
- 7 countries in common with the EUSAIR →*

#### CEI approach to regional cooperation pivots of four objectives

- ✓ Support EU integration of CEI Member Countries
- ✓ Promote the alignment to EU standards and the Acquis
- ✓ Translate constructive ideas into innovative results
- ✓ Implement small and medium-sized projects



The CEI is committed to supporting the implementation of macro-regional strategies as well as in the neighbourhood dialogue and enlargement

***Coinciding themes and goals:***

*10 areas of cooperation, grouped in 3 thematic pillars:*

- ✓ ***Towards a Knowledge-based Society;***
- ✓ ***Towards a Sustainable Economy and Development;***
- ✓ ***Towards an Inclusive Society***

*Research &  
Innovation*

*Energy Efficiency &  
Renewable Energy*

*Climate, Environment &  
Rural Development*

*Life-long Education &  
Training*

The CEI Plan of Action 2014-2016 prioritizes  
**Energy Efficiency and Renewable Energy,**  
with a focus on **Advanced Biofuels** and the **Bioeconomy**



The CEI is not only a platform for political dialogue:  
we developed a specific methodology, combining  
**multilateral diplomacy and project management**

*Noticeably, we are engaged in projects both as  
BENEFICIARIES, when participating to EU projects, and as  
DONORS, through our dedicated instruments:*

- ✓ ***the Know-How Exchange Programmes***
- ✓ ***the CEI Cooperation Fund***
- ✓ ***the CEI Trust Fund at the EBRD***

The CEI is a proxy to involve a growing number of partners  
from the region in EU-funded projects

*also in the field of R&I and with a more recent focus on  
bioenergy and the bioeconomy*

**For more information about CEI  
funding opportunities, please  
visit our website: [www.cei.int](http://www.cei.int)**





**European Biofuels**  
TECHNOLOGY PLATFORM  
*Accelerating deployment of advanced biofuels in Europe*

About EBTP | EBTP-SABS | Newsletter | Fact Sheets | Links | Contact Us

search... SEARCH DATABASES: Events | Reports | Stakeholders | R&D&D Mapping | Deployment

**Biofuels Research, Demonstration & Deployment** | **Biofuels 'Value Chains' Topics & Overviews**

EBTP Activities | EC Activities | National Activities | Biomass / Feedstocks | Fuels and Conversion | End Use | Policy & Sustainability

**Advanced biofuels at commercial scale**  
*Innovative technology transforming production of sustainable biofuels in Europe >>*

*EBTP brings together advanced biofuels stakeholders across Europe to guide and prioritise R&D&D*  
*Discover how research, industry, the EC & Member States are working together to accelerate deployment of advanced biofuels >>*

Image (left): The world's first Advanced Cellulosic Ethanol plant in Crescentino, Italy, developed by Beta Renewables. Copyright © Biochemtex

## European Biofuels Technology Platform

### About the EBTP

The Mission of the European Biofuels Technology Platform is to contribute to:

- the development of cost-competitive world-class biofuels value chains,
- to the creation of a healthy biofuels industry, and
- to accelerate the sustainable deployment of biofuels in the EU

through a process of guidance, prioritisation and promotion of research, technology development and demonstration.

Established in 2006, the European Biofuels Technology Platform is supervised by a **Steering Committee**. The activities are carried out by the members of **Four Working Groups** covering: Biomass supply and demand; Conversion technologies and fuel production; End Use and distribution; and Policy and sustainability. There is also liaison with national biofuels platforms and bioenergy associations and Member States representatives. The EBTP is supported by a **Secretariat**. Dissemination, networking and knowledge sharing among stakeholders is supported by the **EBTP-SABS** team.

## EBTP-SABS Support for Advanced Biofuels Stakeholders

Funding programme: **FP7**

Funding volume: **> 0,5 Mio**

Duration: **36 Months** (09/2013 – 08/2016)

Participation: **4 Partners from 4 Countries**

[www.biofuelstp.eu](http://www.biofuelstp.eu)

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 609607



EBTP-SABS started in September 2013 and is:

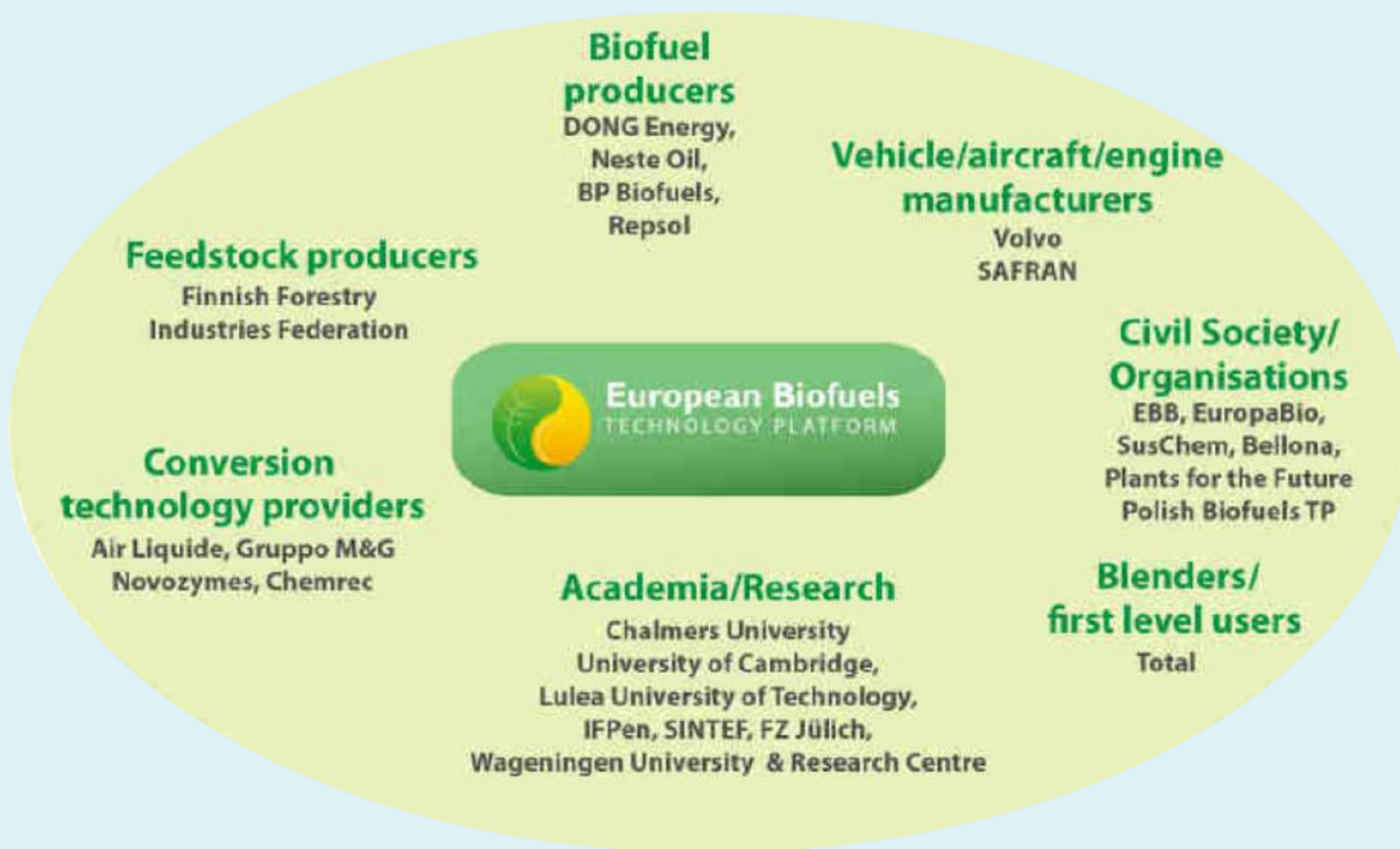
- ✓ providing support to activities of EBTP which are of interest to the biofuels community and the general public
- ✓ informing on technological, market & regulatory developments
- ✓ supporting EIBI & facilitating the implementation of SRA
- ✓ contributing to the biofuels debate with scientifically correct and unbiased information
- ✓ sustaining the deployment of most promising value chains

**The EBTP is recognized by the EC as an official European Technology Platform promoting a range of activities to support advanced biofuels stakeholders**

Extensive networking and sensitization aim at:

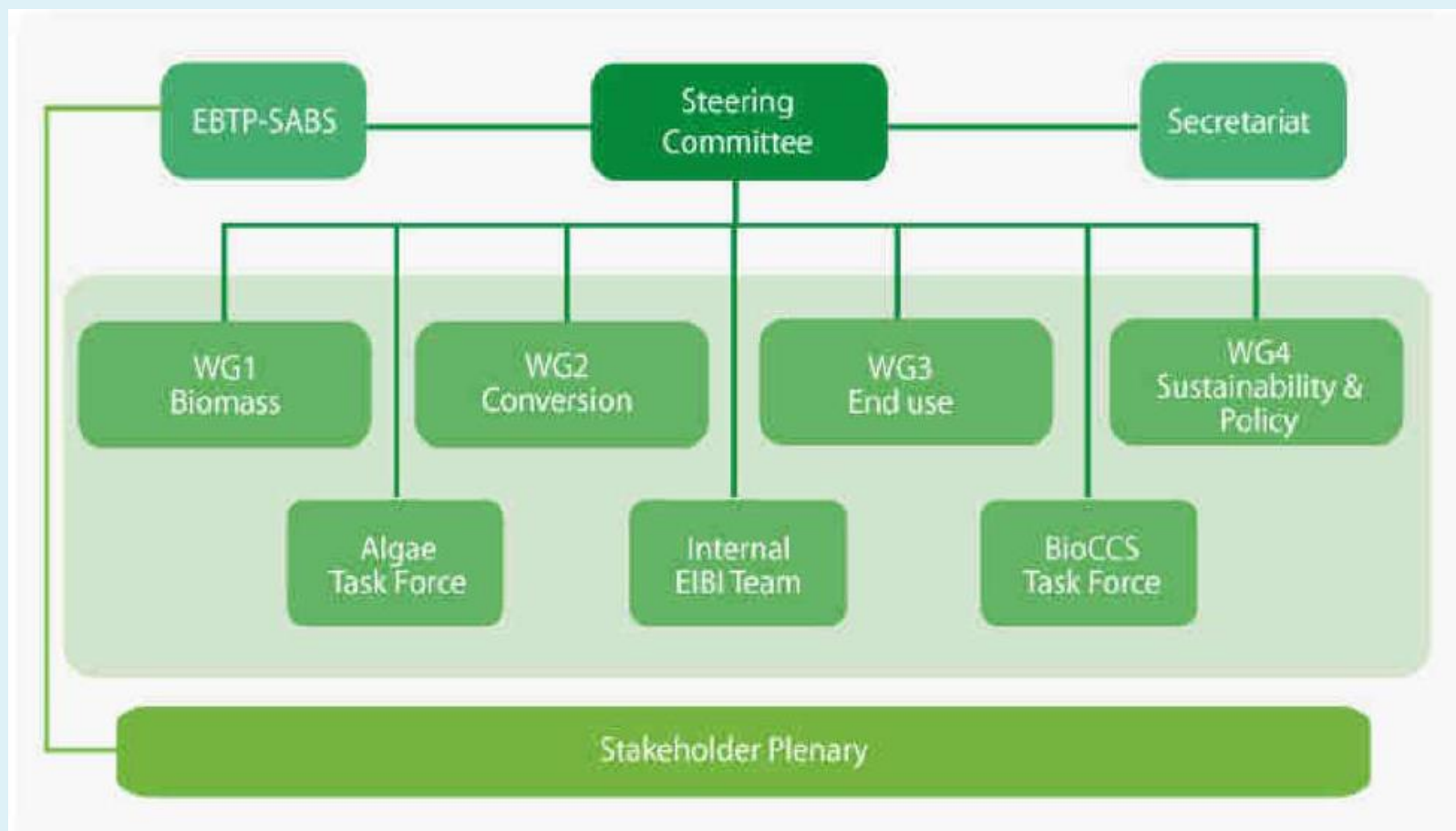
- *IMPROVING AVAILABILITY OF SUSTAINABLE FEEDSTOCKS BY ADDRESSING SUPPLY, LOGISTICS AND MARKETS*
- *FOSTERING INNOVATIVE CONVERSION PATHWAYS FOR THE PRODUCTION OF ADVANCED BIOFUELS AT INDUSTRIAL SCALE*
- *CONTRIBUTING TO VALUE CHAIN OPTIMIZATION AND REDUCTION OF BOTTLENECKS*
- *PROMOTING THE UPTAKE OF ADVANCED BIOFUELS IN TRANSPORT & OTHER SECTORS*

## The role of EBTP





## The structure of EBTP



## The mission of EBTP

*The European Biofuels Technology Platform aims at:*

- **CONTRIBUTING TO THE DEVELOPMENT AND STRENGTHENING OF COST-COMPETITIVE ADVANCED BIOFUELS VALUE CHAINS**
- **SUPPORTING THE DEVELOPMENT OF A HEALTHY AND RESILIENT BIOFUELS INDUSTRY IN THE CONTEXT OF BIOECONOMY**
- **ACCELERATING THE DEPLOYMENT OF SUSTAINABLE BIOFUELS IN EUROPE THROUGH GUIDANCE, PRIORITIZATION AND PROMOTION OF RESEARCH, DEVELOPMENT & DEMONSTRATION**

**THE EBTP IS ON THE LOOKOUT FOR  
STAKEHOLDERS IN OUR REGION TO  
FOSTER THE DEPLOYMENT OF ADVANCED  
BIOFUELS VALUE CHAINS !**

**The CEI is engaged in promoting EBTP  
in its member countries, facilitating bottom-up flow of  
information and feedback.**

*Moreover...*

*... regional cooperation for European integration and bridge between macro-regions ...*



S2Biom activities

Home \ Strategies, R&D roadmaps

Methodological approaches

Strategies, R&D roadmaps

Value chain sustainability

Regulatory & financial framework

Integrated Assessment-Optimisation

Vision, strategies, implementation plans and an R&D roadmap

Validation

Within this theme, the following activities are planned:

- Provide clarity - for industry, investors and other stakeholders - on sustainability requirements for the different value chains addressed in the project and to support the future development of an agreed methodology for the calculation of environmental footprints, e.g. using life cycle assessments.
- Provide a structured overview of all elements of economic and regulatory frameworks that relate to the sustainable delivery of non-food biomass at different levels of governance across Europe (i.e. local, regional and pan-European), and to develop coherent policy guidelines (with a set of indicators) that will allow policy makers from the respective levels of policy determination to quickly appreciate the support frameworks that exist and the most efficient ways to apply them for the future use of biomass in a sustainable manner.
- Define the optimal pathways (by employing the RESOLVE model) towards a low-carbon bio-based economy that focuses on stimulating the prioritised biomass applications from 2020 up to 2030.
- Develop a vision, strategies, implementation plans and an R&D roadmap for the sustainable delivery of non-food biomass feedstocks at pan-European level.

Please contact the [Project Partners](#) or the [Helpdesk](#) for further information.

News & Events

**Workshop on Bioeconomy Information System and Observatory (BISO) - Environmental Sustainability Assessment**  
Ispra, Italy  
2 October 2015

**Workshop on Vision for the sustainable and resource efficient biomass in Europe**  
Ispra, Italy  
1 October 2015

**S2Biom 3rd consortium meeting**  
Ispra, Italy  
29-30 September 2015

**Survey of cost factors related to forest harvesting operations**

**S2Biom brochure:**  
summarising current project results

**Webinar on WGCB Activity Group 4**  
"Sustainable"

## S2BIOM

**Sustainable supply of non-food biomass to support a "resource-efficient" Bioeconomy in Europe**

Funding programme: **FP7**

Funding volume: **> 5 Mio**

Duration: **36 Months (09/2013 – 08/2016)**

Participation: **31 Partners from 16 countries**

[www.s2biom.eu](http://www.s2biom.eu)

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 608622.

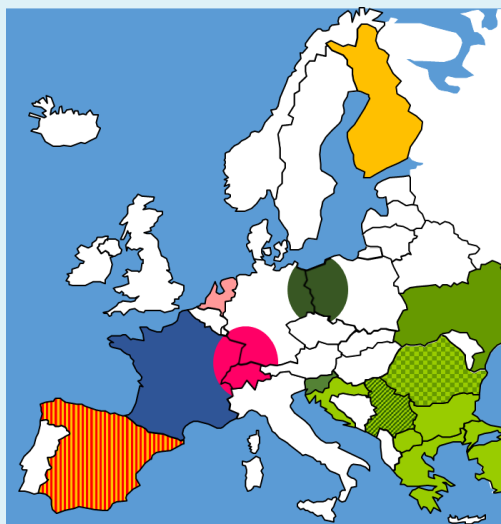


## Overview of S2BIOM

### OBJECTIVES

- ✓ Secure indigenous and sustainable biomass supply to meet targets for 2020 and beyond (2030)
- ✓ Policy and implementation of sustainability criteria
- ✓ Support and financing (public and private investment) for biomass deployment
- ✓ Access to consistent information on sustainable biomass supply

*The CEI is engaged in designing and implementing a set of **case studies** to validate data on biomass availability, and asses the applicability of measures proposed beyond EU28.*



### KEY OUTPUTS

- *COHERENT DATASETS FOR NATIONAL STATISTICS AND REPORTING OBLIGATIONS*
- *BENCHMARKING, CAPACITY BUILDING, TRANSFER OF KNOWLEDGE AND ENGAGEMENT OF STAKEHOLDERS*
- *STRATEGIES, ACTION PLANS AND IMPLEMENTATION CASE STUDIES IN COLLABORATION WITH INDUSTRY*
- *USER FRIENDLY WEB BASED TOOLBOX WITH OPEN ACCESS TO PUBLIC*



*The Tool will be S2BIOM heritage, the deliverable that stakeholders could access and use over time. This is a working version, not yet accessible; but the beta version is coming soon...*



## Tools for biomass chains

Home General data Biomass chain data Tools Strategies, roadmaps & implementation plans

Biomass chain data / Biomass cost-supply

2010 Reference - Primary residues from agriculture - Straw/stubbles - Maize - amount - absolute

**NUTS level**

nuts0  
nuts1  
nuts2

**Scenario**

2010 Reference  
2020 Medium bioenergy  
2030 Medium bioenergy

**Category**

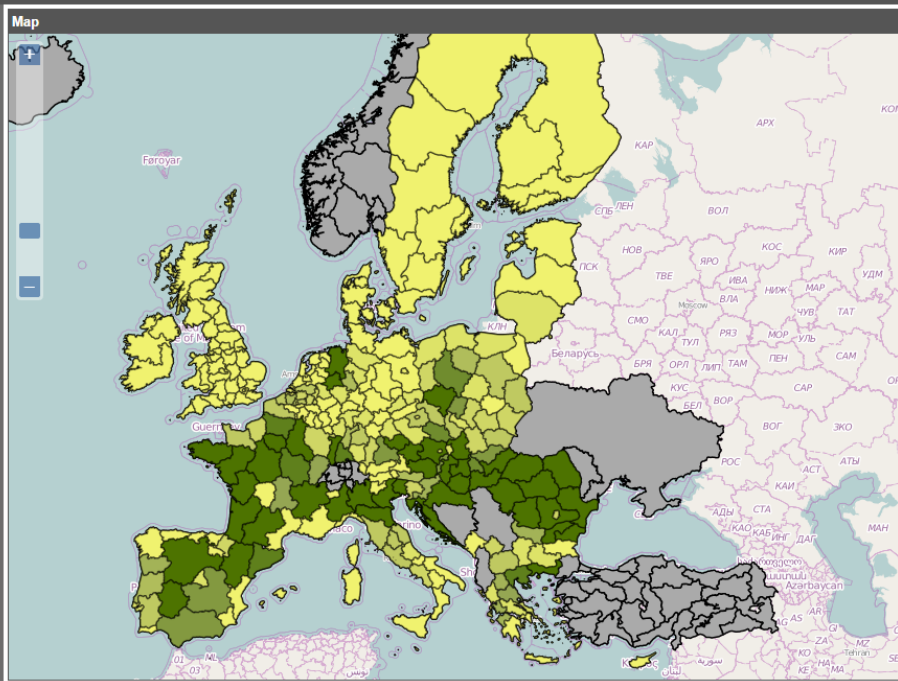
Primary production in agriculture  
Primary residues from agriculture  
Abandoned grassland  
Residues from treeless outside forests and forests plots

**Subcategory**

Straw/stubbles  
Woody prunings/orchard residues

**Type**

Cereals  
Maize  
Sugarbeet



**amount energy value costs**

**absolute area weighted**

**Unit: kt**

0  
0 - 5  
5 - 10  
10 - 15  
15 - 20  
20 - 25  
25 - 30  
30 - 35  
35 - 40  
40 - 45  
45 - 50  
more than 50

**Current selection Identify result**

NUTS level nuts2  
Scenario 2010 Reference  
Category Primary residues from agriculture  
Subcategory Straw/stubbles  
Type Maize  
Indicator amount, absolute

*Building upon the experience accrued in other sectors, we are capitalizing on existing projects and partnerships to further strengthen our activities in support of sustainable development of the Bioeconomy in CEI Member Countries*

**2012**

*The Bloomberg Report is published*

**2013**

*S2BIOM and EBTP-SABS projects are launched.*

**2014**

*Several proposals submitted in H2020*

**2015**

*More proposals are under preparation in H2020 and ETC*

*CEI capacity in implementing and capitalizing on EU-funded projects involving a growing number of partners from Candidate and Neighbouring Countries, is a major asset that allows us contributing to EU accession and fostering the development of Bioeconomy to the benefit of CEI Member Countries*

**THANK YOU FOR YOUR ATTENTION !**

*For more information about*

**S2BIOM and EBTP-SABS**

*please contact*

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[www.cei.int](http://www.cei.int)

