

**S2Biom final dissemination workshop
“Biomass for growth: potentials and challenges of
bioenergy in the Danube Region”**

**On the occasion of the ‘SET Plan – Central European
Energy Conference X’**

30 November 2016, Bratislava, Slovakia

WORKSHOP SUMMARY

Deliverable D10.20



About S2Biom project

The S2Biom project - Delivery of sustainable supply of non-food biomass to support a “resource-efficient” Bioeconomy in Europe - supports the sustainable delivery of non-food biomass feedstock at local, regional and pan European level through developing strategies, and roadmaps that will be informed by a “computerized and easy to use” toolset (and respective databases) with updated harmonized datasets at local, regional, national and pan European level for EU-28, Western Balkans, Moldova, Turkey and Ukraine. Further information about the project and the partners involved are available under www.s2biom.eu.

Project coordinator



Scientific coordinator



Project partners



S2Biom project is co-funded by the European Union within the 7th Framework Programme – Grant Agreement n°608622. The sole responsibility of this publication lies with the author. The European Union is not responsible for any use that may be made of the information contained therein.

Presentations of the workshop

All presentations held at the S2Biom final dissemination workshop are available at the project website under: <http://www.s2biom.eu/en/10-news-events/27-workshops.html>.

Introduction

The main aim of S2Biom project is to support the sustainable delivery of non-food biomass feedstock at local, regional and pan-European level through the elaboration of strategies, roadmaps and a web-based planning toolset basing on updated harmonized data referring to EU28, Western Balkans, Turkey and Ukraine.

S2Biom has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration (FP7). The project started in September 2013 and will be implemented until November 2016. The Consortium gathers 31 partners from 16 countries.

The main activities of S2Biom are:

- Analysis of the biomass potential and respective conversion pathways
- Analysis of policy frameworks and application of sustainability criteria in EU28 and neighbouring countries
- Development of a web-based interactive tool and material for the support of the economy, research and policy for local, regional and national stakeholder.
- Development of transnational Strategies, Roadmaps and Toolbox for a resource-efficient bioeconomy in Europe

In order to achieve these goals, S2Biom is building upon relevant information from recent and ongoing EU projects, and through direct collaboration with key stakeholders from policy, industry and markets. Also, a set of validation case studies are being carried out.

The project is building up a concise knowledge base both for the sustainable supply and logistics of non-food biomass for the development of technology and market strategies to support the development of a "resource efficient" bioeconomy for Europe. This includes industrial processes for manufacturing biomass-derived goods/products as well as energy conversion, both for large scale and small scale units.

Summary of the S2Biom Final Dissemination Workshop

On 30th of November, 2016 the final S2Biom dissemination workshop has been organized in Bratislava, Slovakia. The workshop was a part of the joint event "Biomass for growth: potentials and challenges of bioenergy in the Danube Region" and took place at the DOUBLE TREE by Hilton Hotel, Bratislava, Slovakia. The workshop was one of the side events of '[SET Plan – Central European Energy Conference X](#)' and was organized in cooperation between [Danube – INCO.NET](#) and [S2Biom](#) projects.

50 participants have registered for the workshop and 43 actually joined (see workshop participants in Figure 1 and the registration list in Annex II).



Figure 1: Participants of the S2Biom final dissemination workshop in Bratislava, Slovakia

The workshop was divided in two main sessions. Session 1 focused on the presentation of the outcomes from Danube – INCO.NET project, while S2Biom results have been presented in the second session. The agenda of the workshop is provided in Annex I of this report.



The S2Biom project has been introduced by the project coordinator **Mr. Ludger Wenzelides** (FNR, Germany). He presented objectives of the S2Biom project, the partnership and gave a brief overview of the project outcomes and results.

The S2Biom session of the workshop started with a presentation from **Dr. Thomas Schleker** – the S2Biom project officer on behalf of DG Research and Innovation of the European Commission. Mr. Schleker presented an overview of the supporting activities and measures for bioenergy and advanced biofuel technologies provided in the Horizon 2020 Work Programme “Secure, Clean and Efficient Energy”. The presentation included information about Strategic Energy Technology (SET) Plan, which is the technology pillar of the EU’s energy and climate change policy and includes several stakeholder platforms like ETIP-Bioenergy, RHC-ETIP etc. The presentation included an overview about the EU support measures for advanced biofuels/bioenergy and the list of relevant calls for proposals in 2016/2017. For more information please see the presentation on S2Biom website:



http://www.s2biom.eu/images/Events/Final_workshop_Bratislava/7_Schleker-EC-DG-RTD-SUPPORT-FOR-BIOENERGY-AND-ADVANCED-BIOFUELS-IN-HORIZON-2020-Bratislava.pdf

The second presentation in S2Biom session was given by **Ms. Berien Elbersen** (DLO-Alterra, the Netherlands). She presented S2Biom Toolset and demonstrated how it works. Ms. Elbersen introduced to the General User Interface of the toolset, showed the policy tool, biomass demand and consumption data, biomass cost-supply viewing tool, biomass and technology matching tool with respective databases, BeWhere tool and the information available on the level of different countries. The information how to access the toolbox and all the relevant data has been given at the end of the presentation.



The third presentation was given by **Ms. Calliope Panoutsou** (Imperial College London, United Kingdom). Ms. Panoutsou focused on the policy strategy planning outcomes of the S2Biom project and presented the Roadmap for lignocellulosic biomass in the Danube region. The roadmap includes estimations of sustainable lignocellulosic

biomass potential in Danube Region by 2030 with detailed maps showing biomass potential on NUTS3 level for forest and agriculture biomass, biowastes and postconsumer wood, and the dedicated perennial crops. The presentation addressed also good practice policies and measures identified in the S2Biom project, analyzed the strengths and weaknesses of various lignocellulosic biomass value chains and provided recommendations for the roadmap actions in the region.

The session was concluded with a presentation on S2Biom case studies. The presentation was given jointly by **Mr. Peter Canciani** (CEI, Italy) and S2Biom case study partners from Slovenia, Croatia, Serbia, Romania, Greece, Ukraine, Germany and Poland (see Figure 2). Each case study partner explained shortly how the S2Biom tools have been applied in their cases and what are the lessons learnt from their experiences. More information about the case studies is available on the S2Biom website – in case study reports (see <http://www.s2biom.eu/en/publications-reports/s2biom.html>).





Figure 2: Presentations of the S2Biom case studies

The workshop was ended with a short summary from the organizers representing Danube-INCO.NET and S2Biom projects. After the workshop a B2B networking meetings took place where also S2Biom project was represented to reach out to potential users of the S2Biom results in Danube region.

Annex I – Agenda

Time	Presentation
08:30 - 09:00	Registration of participants
09:00 - 09:15	Welcome, presentation of the Danube-INCO.NET, clustering activities and the S2BIOM project <i>Mr. Alessandro Lombardo, Central European Initiative (CEI), Italy and Mr. Ludger Wenzelides, FNR, Germany</i>
09:15 - 09:30	The Danube-INCO.NET Pilot action 1 and 2 achieved results and future challenges <i>Mr. Felix Gajdusek, Centre for Social Innovation (ZSI), Austria and Mr. Miklós Gyalai-Korpos, PANNON Pro Innovations, Hungary</i>
09:30 - 09:45	European programmes supporting biomass <i>Mr. Jürgen Raizner, Steinbeis - Donau - Zentrum, Germany</i>
09:45 - 10:00	Overview on Danube Region Action Plan for Biomass <i>Ms. Veronika Šiková, European Policies Coordination Department, Office of the Government of the Czech Republic</i>
10:00 - 10:15	Bioeast Initiative, bioeconomy in the CEE regions <i>Ms. Anikó Juhász, CEO Research Institute of Agricultural Economics of Hungary</i>
10:15 - 10:30	European Technology and Innovation Platform on Bioenergy <i>Ms. Dina Bacovsky, Bioenergy 2020+</i>
10:30 - 10:45	Q & A
10:45 - 11:15	Coffee break
11:15 - 11:30	Support of bioenergy and advanced biofuel technologies in the Horizon 2020 Work Programme "Secure, Clean and Efficient Energy" <i>Dr. Thomas Schleker, DG Research, European Commission</i>
11:30 - 11:50	Ligno-cellulosic biomass in the region: data & tools for the assessments <i>Ms. Berien Elbersen, DLO, Netherlands</i>
11:50 - 12:10	Roadmap for lignocellulosic biomass in the Danube region <i>Ms. Calliope Panoutsou, Imperial College, United Kingdom</i>
12:10 - 12:30	Case studies in Germany, Poland, Serbia, Slovenia and Ukraine <i>Mr. Ludger Wenzelides, FNR, Germany & Mr. Peter Canciani, CEI, Italy</i>
12:30 - 13:00	Panel discussion
13:00 - 14:00	Networking Lunch
14:00 - 17:00	Bilateral meetings (Matchmaking Session 2) <i>Pre-scheduled face-to-face meetings</i>

Annex II – List of Participants

First Name	Surname	Organisation name	Country
Ruşen Can	Acet	Mir R&D Inc.	Turkey
Eija	Alakangas	VTT Technical Research Centre of Finland Ltd	Finland
Otto	Andersen	Stiftinga Vestlandsforskning (VESTFORSK) / Western Norway Research Institute (WNRI)	Norway
Bert	Annevelink	Wageningen Food & Biobased Research	The Netherlands
Dina	Bacovsky	Bioenergy 2020+	
Pavol	Beraxa	ŽP VVC, s.r.o	Slovakia
Peter	Canciani	Central European Initiative	Italy
Boris	Ćosić	SDEWES Centre	Croatia
Tomas	Cvengros	Engul, s.r.o.	Slovakia
Matthias	Dees	University of Freiburg	Germany
Ildikó	Dorogi	RCISD	Hungary
Ilze	Dzene	WIP - Renewable Energies	Germany
Berien	Elbersen	Alterra Research –DLO	The Netherlands
Ivan	Filus	BIC Bratislava	Slovakia
Levente	Földi	Budapest Sewage Works	Hungary
Tekla	Gaál	Regional Centre for Information and Scientific Development	Hungary
Martin Felix	Gajdusek	Centre for Social Innovation - ZSI	Austria
Alojz	Gandi	CHEMOSVIT, a.s.	Slovak Republic
Miklós	Gyalai-Korpos	PANNON Pro Innovations Ltd.	Hungary
Rainer	Janssen	WIP Renewable Energies	Germany
Ľudovít	Jelemenský	Slovak University of Technology in Bratislava	Slovakia
Anikó	Juhász	Research Institute of Agricultural Economics	Hungary
Abraham	Kabutey	Czech University of Life Sciences Prague	Czech Republic
Manolis	Karampinis	Centre for Research and Technology Hellas (CERTH)	Greece
Nike	Krajnc	Slovenian forestry institute	Slovenia
Nike	Krajnc	Slovenian forestry institute	Slovenia
David	Kupka	VSB - Technical university of Ostrava	Czech Republic
Tijs	Lammens	BTG Biomass Technology Group	Netherlands
Alessandro	Lombardo	CEI	Italy
Wenzelides	Ludger	Agency for Renewable Resources (FNR e.V.)	Germany
Milica	Mašková	RRA Záhorie	Slovakia
Stanislav	Miertus	ICARST & FPV UCM	Slovakia
Kristina	Muranova	Agricultural technical and testing institute	Slovakia
Adrienn	Nagy	PilzeNagy Ltd.	Hungary
Ivona	Nespalová	Energochemica Trading	Slovakia
Dragana	Nikodinoska	University of Kiel	Germany
Calliope	Panoutsou	Imperial College Centre for Energy Policy & Technology	United Kingdom

First Name	Surname	Organisation name	Country
Jürgen	Raizner	Steinbeis-Donau-Zentrum	Germany
Darina	Richterová	Energochemica Trading a.s.	Slovakia
David	Sanchez	CENER	Spain
Thomas	Schleker	DG Research, European Commission	
Vladimír	Sitkey	SLOVBIOTECH	Slovak republic
Stanislaw	Szwaja	Czestochowa University of Technology	Poland
Veronika	Šiková	European Policies Coordination Department, Office of the Government of the Czech Republic	Czech Republic
Matej	Tešínský	Slovak Academy of science	Slovakia
Karen	Trchounian	Yerevan State University	Armenia
Ana	Turcan	Steinbeis-Donau-Zentrum	
Filip	Urban	Asociacia pre vyuzitie obnovitelnych a alternativnych zdrojov	Slovensko
Tetiana	Zheliezna	Renewable Energy Agency	Ukraine
Igor	Šurina	STU	Slovakia

Additional registrations (at the day of conference)

Name	Organisation
ASKEW	Census - Bio
Klédgō	Centrum pre rozvoj energetiky
Rui Pacheco	Agência de Energia do Ave
MISTIK	NIJIE
KOCHWASSER	INDUKT TECHNOLOGIES a.s.
MICKOVSKI	Govt of Macedonia
Petya Jordanova	US Department of Energy