

Aims and target of the workshop

After more than 3 years of research, two major projects on improved bioenergy carriers within the Energy Theme of FP7 will be finished in the course of this year. SECTOR and BioBoost invite you to a two day workshop summing up the results and for discussions on market developments and on policy implications.

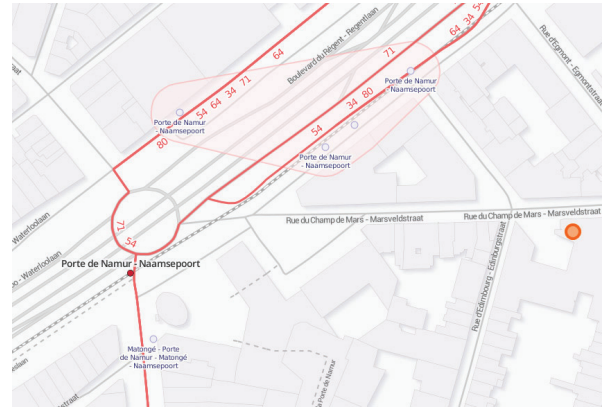
Advanced bioenergy carriers are considered a very promising technology for the promotion of the large-scale implementation of bioenergy, which accelerate innovation in cutting edge European low carbon technologies, increase Europe's security of energy supply and give a boost to the European energy industry sector.

The projects started with the analysis of potential feedstock for the investigated technologies fast pyrolysis, hydrothermal carbonisation, catalytic pyrolysis and torrefaction. Subsequently, the research focused on the logistics and end use applications spanning small to large scale boilers, gasifiers, CHPs and refineries to produce heat, power, fuels and biochemicals. This was complemented by economic and environmental evaluation of the value chains and the strong support of ISO standardisation.

The European Commission, represented by DG RTD, sponsors the two collaborative research projects with € 13 million for 4 years. The 34 partners involved are coming from universities, research institutes and industry of 15 countries and have invested additional € 5 million in developing new ways to convert biomass feedstock into energy and valuable material.

Venue

European Commission – building CDMA
21 Rue du Champ de Mars, 1050 Brussels



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Please note, that the registration procedure to enter the building might take some time – an early arrival is recommended.

Organizers

| | |
|-----------------------|-------------------------------------|
| SECTOR coordination | BioBoost Coordination |
| DBFZ gGmbH | Karlsruher Institut für Technologie |
| Kay Schaubach | Nicolaus Dahmen |
| kay.schaubach@dbfz.de | nicolaus.dahmen@kit.edu |
| www.sector-project.eu | www.bioboost.eu |

Registration

Please go to the following Webpage to register for the Policy Workshop in Brussels:

www.sector-project.eu/policy-workshop

Policy Workshop on improved bioenergy carriers of the EC-projects BioBoost and SECTOR

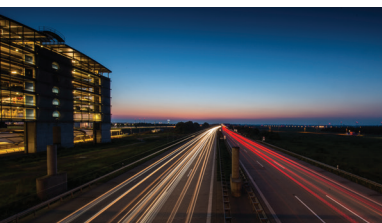
Brussels

16th-17th June 2015



The projects are funded by the European Union through the seventh Framework Programme.
(GA no 282873 and 282826)





The projects

SECTOR - Development of the complete torrefaction value chain to shorten the time-to-market

SECTOR is a large-scale European project with a strong consortium of 21 partners from industry and science. The project is focused on the further development of torrefaction-based technologies for the production of solid bioenergy carriers up to pilot-plant scale and beyond, and on supporting the market introduction of torrefaction-based bioenergy carriers as a commodity renewable solid fuel.

BioBoost - Biomass based energy intermediates boosting bio-fuel production

BioBoost concentrates on dry and wet residual biomass and wastes as feedstock for de-central conversion by fast pyrolysis, catalytic pyrolysis and hydrothermal carbonization to the intermediate energy carriers oil, coal or slurry. A logistic model is set up and validated allowing the determination of costs, the number and location of de-central and central sites. Application of energy carriers is investigated existing and future applications of heat and power production as well as synthetic fuels, chemicals and as bio-crude for refineries. Promising pathways are demonstrated over the whole chain.

Program 16.6.15 – Policy session

- 14:00 **Welcome Address**
Maria Georgiadou, DG RTD
- 14:15 **Bioenergy in the European Context**
Paul Verhoef, DG RTD (invited)
- 14:45 **Perspectives for advanced Bioenergy Carriers**
Daniela Thrän, UFZ/DBFZ
- 15:15 **Coffee Break**
- 15:45 **Panel Discussion: Markets and Regulatory Framework for Bioenergy and Bioproducts**
Paul Verhoef, DG RTD (invited)
Daniela Thrän, DBFZ/UFZ
Susan Weatherstone, E.on
Marijn Rijkers, DSM ChemTech BV
Ilmari Lastikka, Neste Oil
- 18:00 **Reception**

Program 17.6.15 – Technology session

- 09:00 **Introduction to Projects Background and FP7 Goals**
Jaap Kiel, ECN
- 09:10 **SECTOR: Goals, Work Programme Achievements**
Daniela Thrän, UFZ/DBFZ
- 09:20 **BioBoost: Goals, Work Programme Achievements**
Nicolaus Dahmen, KIT
- 09:30 **Technology Achievements SECTOR and BioBoost**
Anders Nordin, Umea Universitet
Angelos Lappas, CPERI/CERTH
- 10:30 **Coffee Break**
- 11:00 **BioBoost Specials: Tools, Value Chains, Economics and Sustainability**
Erik Pitzer, FHOÖ
- 11:30 **SECTOR Specials: Value Chains, Economics and Sustainability**
Michiel Carbo, ECN
Stefan Majer, DBFZ
- 12:00 **Panel Discussion: Obstacles and Solutions for Market Introduction**
Jaap Kiel, Kay Schaubach, Nicolaus Dahmen, Anders Nordin, Eija Alakangas, Michiel Carbo, Angelos Lappas
- 12:45 **Summary and Recommendation**
Jaap Kiel, ECN