



European Biomass Industry Association

NEWSLETTER

issue SUMMER '13



Dear friends,

the European Biomass Industry Association is glad to share with you the latest news concerning its recent activities and the most interesting biomass issues!

Keep up with:

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Catch the opportunity to be always informed about biomass world!



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BIOENERGY LANDSCAPE

Last news from EU specialized press

The future of biorefinery in EU

Forty-eight companies have joined forces with the European Commission this July to set up a Public-Private Partnership (PPP) for bio-based industries. The PPP brings together €3.8 billion with an aim to advance the bioeconomy in Europe. The European pulp and paper industry is one strategic partner in this PPP, with 13 of the 48 member companies from the sector as well as the Confederation of European Paper Industries (CEPI) as an associate member.

The PPP combines €1 billion of public support from the European Commission's Horizon 2020 programme with €2.8 billion of industry investment. The initiative, beginning in 2014 and lasting for six years, will create new markets and value chains for bio-based products, bringing jobs and growth to Europe.

The PPP will capitalise on Europe's research leadership to bring solutions to commercial scale via pilot and demonstration projects, with biorefineries at the heart of developments. The biorefinery concept is well placed in the pulp and paper industry, which already constitutes a large part of the bioeconomy in terms of volume and value. The sector's focus on value creation from raw materials is leading to new products such as bio-chemicals, bio-composite materials and second-generation biofuels.

Bioenergy Insight, Article available at: http://bioenergy-news.com/index.php?/Industry-News?item_id=6502

Further comments on ILUC: The ILUC calculations are not suitable as a basis for European legislation

The European Union seeks to address whether biofuels production increases greenhouse gas emissions and whether to tackle the issue by including indirect land use change (ILUC) factors in the environmental assessments. A recent comment by Dr Matthias Finkbeiner (Technische Universität Berlin) pointed out that ILUC can neither be observed nor measured and is therefore not a scientifically robust solution.

The calculated ILUC values for biofuels in different studies vary immensely, depending on what assumptions are made. In order to have scientific robustness in this field, academics should be able to tackle all indirect effects or none. The key question that rises in all these debates is "How can we measure the carbon footprint of a product?"

If policy makers decide to introduce speculative ILUC factors into environmental impact assessment, Life Cycle Assessment (LCA) and Carbon Footprint would fail and their credibility. The difference between LCA and ILUC emissions is that the science behind ILUC is still in its infancy while LCA is an internationally standardized method for the evaluation of the environmental burdens and resources consumed along the life cycle of products accepted internationally.



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ILUC sustainability criteria are a challenge and they cannot be addressed without concerted action by all relevant players, including private sector, governments and academia. The ILUC calculations are not evidence-based, and are not suitable as a basis for European legislation, which should be based on established, proven methods. In the absence of internationally acknowledged and robust ILUC method, more focus and resources should be directed towards proactive mitigation of ILUC effects, rather than reactive introduction of sham ILUC factors.

Professor Dr. Matthias Finkbeiner is the Chair of Sustainable Engineering and Vice-Director of Environmental Technology at the Technische Universität Berlin (TU Berlin).

Euractive, Article available online at: <http://www.euractiv.com/science-policymaking/iluc-factors-jeopardize-measure-analysis-529241>

The European Environmental Agency calls for a more efficient biomass production in EU

The European Environment Agency has published a report that says bioenergy production should comply with E.U. objectives to use resources more efficiently. The report, titled “E.U. bioenergy from a resource efficiency perspective,” stresses that the amount of land and resources needed to produce each unit of bioenergy should be reduced, while actions are also taken to avoid harm to the environment. According to the EEA, bioenergy accounted for approximately 7.5 percent of the energy used in the E.U. during 2010. The use of bioenergy is expected to increase to 10 percent by 2020, when it will account for approximately half of the projected renewable energy output.

Within the report, the EEA develops three different scenarios, which it calls “storylines.” Each scenario has varying technological, economic and policy assumptions. The first storyline — market first—assumes bioenergy development and the attainment of European renewable energy targets is left primarily to market forces. Under the scenario, no new policy interventions are made to mitigate environmental impacts or indirect land use change (ILUC) effects. Under the second storyline—climate focus—policy is introduced to place constraints on the areas that can be used for feedstock production, exclude biofuel pathways that reduce greenhouse gas (GHG) emission by less than 50 percent, and introduce floor prices for biomass feedstock. The third scenario —resource efficiency—includes all conditions of the climate focus storyline, but also applies the 50 percent GHG reduction threshold to all bioenergy pathways and includes policy measures to prevent negative impact on natural resources and biodiversity, and to enhance the efficiency of bioenergy production.

The analysis advocates for a broader mix of bioenergy crops, including a larger share of perennial crops. The EEA points out that perennial crops, such as energy grasses and short-rotation willow, lead to greater environmental benefit. The EEA’s report also stresses that using organic waste and agricultural or forestry residues to produce energy increases resource efficiency and results in very high GHG savings.

Biomass Magazine, Article available online at: <http://biomassmagazine.com/articles/9169/eea-report-calls-for-more-efficient-biomass-production-use>



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WHAT'S NEW?

EUBIA news

It is with very big pleasure that EUBIA announces the winner of EUBIA award 2013:



ARKEMA is one of the most important companies in the European and International landscape of chemical industry. With its 1,200 researchers, distributed in 10 research centre, Arkema uses the 2.2% of Group revenues in research and demonstration activities. Faced with the depletion of fossil resources, Arkema is developing solutions which are contributing to the development of new energies, products made from renewable raw materials and lightweight materials which save energy. Today Arkema makes about 800 M€ of sales on products derived from renewables. These include Polyamides from castor oil, but also coproducts like glycerine, solvents, heptanaldehyde (fragrances), heptanoic acid (for lubricants...), 2-octanol ; fatty amines derived from vegetable oils, Epoxidized soy oil and linseed oil, ethylacrylate (ethanol is biobased), activated carbons from pine wood, ethylamine (from ethanol)

The **Arkema Group** has long been developing components made from raw materials of plant origin, especially castor oil. The advantage of castor oil plants is that they grow in arid soils and therefore do not compete with food crops. Based on this experience, the Group has developed several polymer technologies. R&D is still exploring other opportunities based on other plant species with the aim of increasing the use of renewable raw materials.



The EUBIA award 2013 was collected by Mr. Jean-Luc Dubois, Scientific Director of Arkema

For over ten years EUBIA, the European Biomass Industry Association, gives its annual prize to the European company which demonstrated an high effort in supporting biomass development at commercial and industrial level. The EUBIA Award ceremony took place at the Bella Center, Copenhagen, on Monday the 3rd of June during the European Biomass Conference and Exhibition.



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EUBIA new contacts!

The European Biomass Industry Association has recently moved his headquarters!
EUBIA office is located in the **Scotland House** at Rond-Point Schuman 6. Below the new contacts:

TEL +32 2 282 84 40

Or

TEL +32 2 282 83 77

FAX +32 2 282 83 79

Please UPDATE your records!

The **Scotland Europa Conference Centre** offers different rooms with a maximum capacity of 130 people!

The équipement includes:

- Air conditioning and natural light in all rooms;
- State-of-the-art equipment including video conference facilities, projector screens, TV/VCR/PC compatible video, wifi and hi-quality sound system;
- Guests' reception, elegant networking area, possibility of walking buffet and catering service.



Meetings rooms are available for EUBIA members!

For more information, do not hesitate to contact Mr. Gerardo Ambrosecchia at gerardo.ambrosecchia@eubia.org

EUBIA has a new website! Check out the last news from the biomass world on www.eubia.org



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LATEST EVENTS

Events organisation and contents development

European Biomass Conference and Exhibition (EU BC&E): EUBIA has co-organised with ETA-Florence the European Biomass Energy Conference 2013, which was held from 3rd to 7th of June in Copenhagen, Denmark.

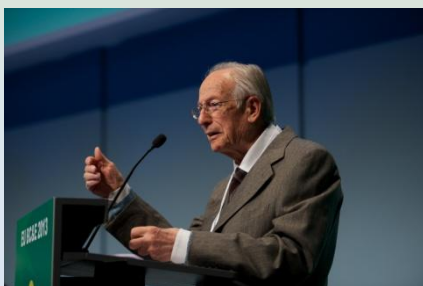
EUBIA participated actively during the Conference and its stand was among the most visited by European and International Industries. The stand hosted several bilateral meetings, a hectic networking activity and many pieces of information were shared in the light of the Horizon 2020 funding scheme opportunity.

On the academic side, EUBIA Secretary General Mr. Giuliano Grassi chaired the plenary session '*Processes for Biofuels Production and Supply*' and EUBIA Biomass Expert Mr. Andrea Salimbeni gave a presentation on a new Sweet Sorghum biogas plant focused on three main products: Grains, Heat&Power and high value Biofertilizer. More in details:

Andrea Salimbeni, "Sweet Sorghum biogas plant in temperate region. Demonstration plant for biogas and high value biofertilizer production".

To download the presentation, follow the link:

<http://www.eubia.org/index.php/news-events/events/78-european-biomass-conference-and-exhibition-eu-bc-e>





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EUSEW 2013 RecOil Side Event: Public Presentation and Discussion: Optimization of used cooking oil to biodiesel chain. EUBIA actively participated in the organisation of the side event «Optimisation of the UCO to biodiesel chain», hosted by the Tuscany Region in Brussels on June 25th in the framework of the EU Sustainable Energy Week 2013. EUBIA presented the latest results of the RecOil project (www.recoilproject.eu) together with the other project partners. The presentations are available **online**. The event was attended by several stakeholders, coming from different sectors: biodiesel producers, local and regional authorities, international project managers, regulatory bodies. During the discussion, the approach of the RecOil project was compared to other projects in the same field. The added value produced by RecOil is the development of a full UCO to biodiesel chain that is able to provide local benefits and to uptake the local biodiesel market.



The Algae Event: New algae cultivation technologies for the development of an attractive bio-based market
5 June 2013 Bella Center - Copenhagen, Denmark

The event involved two European-funded projects focused on advancing the algal biotechnology marketplace:

- **EnAlgae:** The EnAlgae project is currently sharing experiences across our network of nine pilot algal production sites and investigating and quantifying opportunities for the algal biomass sector in Northwest Europe. By 2015 it aims to combine this technology and market information across the algal bioenergy delivery chain into a comprehensive and user-friendly decision support tool. This will guide stakeholders and future actions in the region.
- **ALGADISK:** The aim of the ALGADISK project is to develop a modular, scalable and automatic biofilm reactor for algae biomass production, with low operational and installation costs, by the end of 2014. The reactor design will be made on the basis of energy balance and sustainability calculation to capture CO₂ from industrial emissions in order to produce high value organic products. The proposed system will be specifically crafted to meet the needs of European SMEs who are willing to produce algae biomass products from industrial emissions.



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Message from projects coordinators:

“We welcome delegates to our “Algae Day” Session at the 21st European Biomass Conference and Exhibition in Copenhagen, and hope that you find the session both interesting and stimulating. Algae have been promoted as a suitable feedstock for biofuel production on account of their high oil and sugar content, high growth rate, suitability for marginal land and low demands on freshwater and land compared to food crops. Yet significant challenges remain to turn this potential into a commercial reality; not least if we are to reduce the unit cost price for production, which currently far exceeds fossil fuel prices. We look forward to meeting you and thank you in advance for your active and thought-provoking contributions to the discussion”.

Shaun Richardson, EnAlgae project coordinator - Melinda Kozak, R&D Leader of ALGADISK

Organizer and hosting event:

EUBIA - The European Biomass Industry Association

Scotland House, Rond-Point Schuman 6

B-1040 Brussels

eubia@eubia.org

www.eubia.org

The event is part of the 21st European Biomass Conference & Exhibition

3-7 June 2013

Bella Center, Copenhagen

Denmark

www.conference-biomass.com



The meeting presentations are available on EUBIA website following the link:

<http://www.eubia.org/index.php/news-events/events/122-the-algae-event-copenhagen>



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ON-GOING PROJECTS

IEE-Intelligent Energy Europe



Rec-Oil: Promotion of used cooking oil recycling for sustainable biodiesel production. Duration : 36 months starting from 01/05/2012

Web: <http://www.recoilproject.eu/index.php/en/>

EUBIA provided inputs to WP2 (Analysis of good promotion and collection practices), WP4 (Assessment of best practices in UCO processing and biodiesel distribution) and led WP5 (Market perspectives and recommendation to stakeholders). The main outcomes of WP5 will be presented to a public of relevant EU policy makers, in order to influence the future UCO and biodiesel related policy. Furthermore, **EUBIA** contributed to WP6 (Pilot Projets), developing a frame for contracts and a matrix of criteria, to optimize the implementation of new successful project. Finally, we contributed to organize the event "Optimization of UCO to biodiesel chain" in the framework of the EU SEW 2013 (see paragraph above).



GERONIMO II_Biogas: A focussed strategy for enabling European Farmers to tap into biogas opportunities. Duration: 30 months starting from 01/05/2011

Web: <http://lnx.project-orion.eu/cms/>

EUBIA took part in WP1 (Technological evaluation of SME needs to manage their organic waste). In particular, we exhaustively assessed the economic competitiveness of existing solution for organic waste treatment and we reported the Belgian norms related to organic waste treatment. In the next months, we will lead the training activity (WP9).



repowermap

Repowermap: A European map for promoting renewable energies and energy efficiency. Duration : 30 months starting from 01/04/2012.

Web: www.repowermap.org

EUBIA is partner in task for collection of information and communication within network of biomass industry associations in member countries



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Seventh Framework Programme. FP7



ALGADISK: Increasing the competitiveness of European non-energy algal sector by a novel solution for biomass production. Duration: 36 months starting from 01/01/2012

Web: <http://www.algadisk.eu/>

EUBIA is leader in training and dissemination activities that have started in 2013.



EUROpean multilevel integrated BIOREFinery design for sustainable biomass Processing system. Duration: 48 months starting from 01/03/2010

Web: www.eurobioref.org

EUBIA is dissemination manager. We organized several events, workshops and presentation in the past years where this project has been disseminated both to industrial and scientific community and citizens.



ORION: ORganic waste management by a small-scale Innovative automated system of anaerobic digestION. Duration : 36 months starting from 08/2012

Web: <http://www.project-orion.eu>

EUBIA will now take part in WP1 (Technological evaluation of SME needs to manage their organic waste). Two surveys will be conducted to define waste characteristics and quantities and to assess the cost and performance of existing solutions in various EU countries. **EUBIA** will also collaborate in the investigation of the relevant regulations for industrial applications.



ROKWOOD European Regions fostering innovation for sustainable production and efficient use of woody biomass

Web: <http://www.rokwood.eu/>

Thanks to the valuable inputs provided by the partners consortium, **EUBIA** created a detailed catalogue of projects in the Short Rotation Plantations (SRP) field. Furthermore, we developed a questionnaire for producers of woody biomass from SRP, aimed at identifying the main barriers hindering the SRP sector development. **EUBIA** will consistently cooperate to this project, leading the Dissemination and communication WP. The Rokwood Poster was presented in occasion of the EU BC&E 2013, cooperating with the project leader.



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North West Europe - European Interreg



Energetic Algae. Duration: 01/01/2010 - 30/06/2015

Web: www.enalgae.eu

EUBIA's involvement in dissemination tasks is required and we're organising an event in Brussels.



Bioenergy North-West: Delivering Local Bioenergy to NW Europe. Duration: 01/04/2010 - 31/03/2015

Web: <http://bioenergy-nw.eu/>

EUBIA is partner in this project with a two faces cooperation role. Belgium partner EUBIA is collaborating with Tweed for project BSC promotion. In addition EUBIA is also working together with HI3 on suitable feedstock evaluation and supply chain



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Our friends can now easily find us on the most famous social networks: follow us on Facebook, Twitter and LinkedIn!