

**GBEP Working Group on Capacity Building
for Sustainable Bioenergy (WGCB)
Activity Group 6 - “Bioenergy and Water”**

**Workshop on “Examples of Positive Bioenergy and Water Relationships”
Royal Swedish Academy of Agriculture and Science (KSLA)
Stockholm, 25-26 August 2015**

DRAFT AGENDA

The Global Bioenergy Partnership (GBEP) brings together public, private and civil society stakeholders in a joint commitment to promote bioenergy for sustainable development. GBEP Activity Group 6 (“Bioenergy and Water”) aims to identify and disseminate ways of integrating bioenergy systems into agricultural and forested landscapes for improving sustainable management of water resources, including waste water. This includes sharing knowledge and experiences on landscape identification and design, best management practices as well as on policies and instruments supporting bioenergy implementation that contributes positively to the state of water. With the support of the IEA as a GBEP partner, IEA Bioenergy Task 43, assisted by Task 40, is co-chairing the Activity Group and contributing to the work defined in the workplan.

In this framework, GBEP Activity Group 6 launched the Call for Examples of Positive Bioenergy and Water Relationships. This initiative aims to showcase innovative examples of how bioenergy systems (in both the feedstock production and conversion phases) can produce positive impacts on the status of water and to serve as a way to inspire and build on this knowledge and experience with other bioenergy producers.

The submissions received in response to the Call for Examples were reviewed by the Activity Group and the most relevant among them were selected to be presented at this workshop organized by GBEP and IEA Bioenergy, in collaboration with the Royal Swedish Academy of Agriculture and Forestry (KSLA) and Chalmers Energy Area of Advance, in Stockholm (Sweden).

In collaboration with:



25 August 2015, Tuesday

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| 09.00 – 09.30 | Participant's registration |
| 09.30 – 09.45 | Opening and Introduction
<i>Andrea Rossi (GBEP Secretariat)</i>
<i>Goran Berndes (IEA Bioenergy)</i> |
| 09.45 – 10.15 | Overview of the examples received and selected
<i>Jessica Chalmers (Winrock International)</i> |
| 10.15 – 10.30 | Coffee break |
| 10.30 – 11.30 | Session I: Bioremediation and Riparian Buffer Zones
Moderator: <i>Goran Berndes (IEA Bioenergy)</i> <ul style="list-style-type: none"> • Bioremediation of Industrial Drainage Water with <i>Sesbania aegyptiaca</i>
 <i>Ahmed Abdelati, Desert Research Center, Egypt</i> • Bioenergy Crop Buffer Zone in Central Illinois
 <i>Cristina Negri, Argonne National Laboratory, USA</i> |
| 11.30 – 13.00 | Session II: 'Waste' to Energy
Moderator: <i>Jessica Chalmers (Winrock International)</i> <ul style="list-style-type: none"> • Livestock waste to biogas: a case study from Veneto, Italy
 <i>Guido Bezzi, Consorzio Italiano Biogas e Gassificazione, Italy</i> • Biogas from livestock waste to reduce pollution in Lake Tai, China
 <i>Takashi Hayshi, Ministry of Agriculture, Forestry and Fisheries, Japan</i> • Waste-to-bioenergy in Argentina
 <i>María Rosa Murmis, Ministry of Agriculture, Livestock and Fisheries, Argentina</i> |
| 13.00 – 14.30 | Lunch break |
| 14.30 – 15.30 | Session III: Agroforestry, Intercropping and Rotational Cropping
Moderator: <i>Uwe Fritsche (IEA Bioenergy)</i> <ul style="list-style-type: none"> • Impacts of switchgrass intercropping in traditional pine forests on hydrology and water quality
 <i>Devendra Amatya, Center for Forested Wetlands Research, USA</i> • Short rotation coppice strips integrated with site-typical crop rotation
 <i>Manuela Baerwolff, Thuringian State Institute for Agriculture, Germany</i> |
| 15.30 – 15.45 | Coffee break |

15.45 – 16.45

Session III (continued)

- Integrated woody biomass cropping for salinity control in dryland agriculture in Australia
John Mc Grath, University of the Sunshine Coast, Australia
- Perennial biomass crops on environmentally sensitive land in the US
Kenneth Moore, CenUSA Bioenergy, Iowa State University, USA

26 August 2015, Wednesday

09.30 – 10.30

Session IV: Controlling Growth of Invasive Species

Moderator: *Andrea Rossi (GBEP Secretariat)*

- Producing electricity from biomass from terrestrial invasive alien plants
Helen Watson, School of Agricultural, Earth and Environmental Sciences, South Africa
- AquaMak: Improving water quality by harvesting water plants for biomass utilization.
Vasco Brummer, Institute for International Research on Sustainable Management and Renewable Energy, Germany

10.30 – 10.45

Coffee break

10.45 – 11.30

Lessons learnt and recommendations for scaling-up and replicability

Uwe Fritsche (IEA Bioenergy)

11.30 – 12.30

Q&A and Discussion

12.30 – 13.00

Conclusions

Goran Berndes (IEA Bioenergy)

13.00 – 14.30

Lunch