

## **GBEP Working Group on Capacity Building for Sustainable Bioenergy (WGCB)**

### **Field Visit**

“Consiglio per la Ricerca in Agricoltura e l’Analisi dell’Economia Agraria (CREA)”

Bioenergy Demonstration Plant

Monterotondo (Rome), 29 November 2016

### **29 November 2016, Tuesday**

**13.30**                      **Meeting point for participants: FAO main entrance, Via delle Terme di Caracalla 1.**

**14.00 – 18.30**           **Field Visit**  
Consiglio per la Ricerca in Agricoltura e l’Analisi dell’Economia Agraria (CREA) - Bioenergy Demonstration Plant

The “Consiglio per la Ricerca in Agricoltura e l’Analisi dell’Economia Agraria (CREA)” is a National Research Organization which operates under the supervision of the Italian Ministry of Agriculture, with scientific competences within the fields of agriculture, agroindustry, food, fishery and forestry. The research unit on agricultural engineering studies (CREA-ING) is composed of the headquarters, located in Monterotondo (Rome), and the research laboratory, in Treviglio (Bergamo, North Italy).

The bioenergy research branch of CREA-ING performs research activities focused on mechanization systems, from planting to harvesting, also in marginal land, of non-food crops, crop residues, fibre crops, and invasive species for the production of bioenergy and biomaterial. The research activities are also focused on the improvement of logistics of supply chain, storage systems and characterization of the biomass.

**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”  
FAO Headquarters, Lebanon Room D-209 Bis  
Rome, 30 November 2016**

**PRELIMINARY CONCEPT NOTE AND AGENDA**

The 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 management and design, best management practices, as well as on policies and instruments supporting bioenergy implementation that contribute 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-leading the Activity Group (AG6 lead: Göran Berndes supported by Uwe R. Fritsche) and contributing to the work defined in the workplan.

As a core activity between 2015 and early 2016, the AG6 developed a report collecting Examples of Positive Bioenergy and Water Relationships, in order 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. The report aimed to inspire and support other bioenergy producers by disseminating knowledge and experience. Furthermore, two webinars were held in 2016. The first one (6 April) focused on Africa, Asia and the Pacific, and Europe, and the second one (25 May) focused on the Americas. These webinars provided further dissemination of the examples collected in the report as a way to inspire participants to build on these examples together with other bioenergy producers in their respective countries.

Following-up on the previous work of AG6, this Workshop represents an opportunity to discuss the interest of GBEP in further work on bioenergy and water. This concept note presents an **initial approach** to developing the **2017 Scope of Work**, building on an integrative understanding of bioenergy **and** water, aiming to contribute to SDG implementation, and continuing collaboration with IEA Bioenergy and interested partners.

Information and views gathered during this Workshop, and enriched by bilateral discussions during the GBEP meetings in Rome, as well as contributions from AG6 members, will be the basis for a **draft 2017 Scope of Work**. It will be prepared and shared by AG6 leader before Christmas 2016, with a view to further discussion in a virtual AG6 meeting (tentatively to be held by the end of January 2017). After this, the Scope of Work will be circulated within the AG6 (early February 2017), and a final version be submitted for approval, via email, of the GBEP Partners and Observers (tentatively by mid-March 2017).

Subject to the outcomes of this AG6 Workshop an **indicative list of deliverables** will be defined. Possible deliverables for the 2017 AG6 are:

- contribution to the GBEP TFS work on indicators (especially ENV Subgroup) and in particular to the proposed mid-2017 Workshop of the TFS on SDGs and GBEP Sustainability Indicators;
- preparation of a “memo” by AG6 regarding SDGs implementation and bioenergy/water, with a *focus on policies and tools* (e.g. best practices) to realize synergies between sustainable bioenergy implementation and sustainable water resource management, considering linkages to biodiversity, land use, livelihoods, and rural development; and
- proposition for an AG6 event during the 2017 World Water Week (Stockholm, 27 August – 1 September 2017) to disseminate AG6 results to a broader audience.

**30 November 2016, Wednesday**

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| <b>09.30 – 09.35</b> | <b>Opening and adoption of the agenda</b><br><i>Goran Berndes and Uwe Fritsche</i>  |
| <b>09.35 – 09.50</b> | <b>Recap on AG6 accomplishments and AG6 ambition</b> (integrative approach and synergies of bioenergy and water developments)<br><i>Goran Berndes</i>   |
| <b>09.50 – 10.10</b> | <b>What's going on around us: key activities in international processes</b> (SDGs, UN Water, World Water Week etc.)<br><i>Uwe Fritsche</i>  |
| <b>10.10 – 10.30</b> | <b>Multifunctional landscapes: food, biomass, water, and the SDGs – Insights from the Swedish Agrifose2030 program</b><br><i>Madelene Ostwald, Assoc. Prof., Centre for Environment and Sustainability, University of Gothenburg/Chalmers University, Sweden</i>  |
| <b>10.30 - 11.00</b> | <b>Coffee break</b>   |
| <b>11.00 – 11.30</b> | <b>Q&amp;A on the morning presentations</b><br><i>Moderator: Maria Michela Morese</i>   |
| <b>11.30 – 12.30</b> | <b>Roundtable discussion - Interests and possible contributions of GBEP Partners and Observers to AG6</b><br><i>Moderators: Goran Berndes and Uwe Fritsche</i>  |
|                      | <ul style="list-style-type: none"> <li>• Luc Pelkmans, <i>IEA Bioenergy</i></li> <li>• Jippe Hoozevee, <i>Land and Water Division (AGL), FAO</i></li> <li>• Jeffrey Skeer, <i>IRENA</i></li> </ul>  |
|                      | Representatives from GBEP Countries:  |
|                      | <ul style="list-style-type: none"> <li>• Miguel Almada, <i>Argentina</i></li> <li>• Ahmed Abdelati, <i>Egypt</i></li> <li>• Getnet Amare Sahilu, <i>Ethiopia</i></li> <li>• Otu Kwabena, <i>Ghana</i></li> <li>• Sudjoko Harsono Adi and Elis Heviati, <i>Indonesia</i></li> <li>• Guido Bonati, <i>Italy</i></li> <li>• Takashi Hayashi, <i>Japan</i></li> <li>• Nelson Maina, <i>Kenya</i></li> <li>• Justo Vargas, <i>Paraguay</i></li> <li>• Pham Quang Ha, <i>Vietnam</i></li> </ul> |
| <b>12.30 - 14.00</b> | <b>Lunch break</b>  |
| <b>14.00 – 15.15</b> | <b>Roundtable discussion - Interests and possible contributions of GBEP Partners and Observers to AG6 (cont.)</b><br><i>Moderators: Goran Berndes and Uwe Fritsche</i>  |

<b>15.15 – 15.45</b>	<b>Coffee Break</b>
<b>15.45 - 16.45</b>	<b>Open Discussion on AG6 achievements and opportunities in 2017</b> <i>Moderator: Uwe Fritsche</i>
<b>16.45 – 17.00</b>	<b>Conclusions and next steps towards 2017 Scope of Work</b> <i>Goran Berndes and Uwe Fritsche</i>

**8<sup>th</sup> meeting of the GBEP Working Group on Capacity Building  
for Sustainable Bioenergy (WGCB)  
FAO Headquarters, Lebanon Room D-209 Bis  
Rome, 1 December 2016**

**PRELIMINARY AGENDA**

**1 December 2016, Thursday**

**09.00 – 09.10**            **Opening and adoption of the agenda**  
*Miguel Almada, Co-Chair (Argentina)*

**Activity Group 2**  
**“Raising awareness and sharing of data  
and experiences from the implementation of the GBEP indicators”**  
*Horst Fehrenbach, Co-Leader (Germany)*  
*Representative from Indonesia, Co-Leader (Indonesia)*

**09.10 – 09.40**            **Implementing the GBEP indicators to empower the world for sustainable bioenergy**

- Brief overview on the implementation of GBEP indicators worldwide and compilation of experiences
- Discussion and agreement on next steps

**Activity Group 3**  
**“Study Tour for capacity building and training”**  
*Roberta Maria Lima Ferreira, AG3 Leader (Brazil)*

**09.40 – 10.30**            **Bioenergy Weeks**

- Key messages from the 2016 Bioenergy Week (Budapest, Hungary)
- Discussion on the 2017 and 2018 Bioenergy Weeks
- Discussion and agreement on next steps

**10.30 - 11.00**            **Coffee break**

**Activity Group 4**  
**“Towards sustainable modern wood energy development”**  
*Olivier Dubois, AG4 Leader (FAO)*

**11.00 – 11.30**            **Progress report from the AG4 activities**

- Key messages from the “ECOWAS Workshop on Sustainable Wood Energy Management” (Cotonou, Benin)
- Discussion and agreement on next steps

**Activity Group 6**  
**“Bioenergy and Water”**

*Göran Berndes, AG6 Leader (IEA Bioenergy/IEA)*

**11.30 – 12.15**

**Progress report from the AG6 activities**

- Key messages from the AG6 activities: two webinars and Workshop on “Examples of Positive Bioenergy and Water Relationships”
- Discussion and agreement on next steps

**12.15 – 12.30**

**Conclusions of the WGCB**

*Miguel Almada, Co-Chair (Argentina)*

**12.30 - 14.00**

**Lunch break**

**14<sup>th</sup> Meeting of the GBEP Task Force on Sustainability***FAO Headquarters, Lebanon Room D-209 Bis*

Rome, 1 December 2016

**PRELIMINARY AGENDA**

In 2014, discussions of the Activity Group 2 “Raising awareness and sharing of data and experiences from the implementation of the GBEP indicators” under the Working Group on Capacity Building for Sustainable Bioenergy (WGCB) led to the development of a table summarizing lessons learned and recommendations emerging from the testing/implementation of the GBEP Sustainability Indicators (GSIs) .

During the GBEP meetings held in Rome, in November 2014, it was suggested to develop an Implementation Guide on the use of the GSIs, in order to:

- Facilitate the testing and implementation of the GSIs by future users, enabling them to take advantage of relevant lessons learned; and
- Clarify and explain in more detail some identified issues within the methodology sheets in the 1<sup>st</sup> edition of the “Global Bioenergy Partnership Sustainability Indicators for Bioenergy” report, by:
  - Ensuring a better integration of definitions and methodologies;
  - Ensuring an effective implementation of the indicators; and
  - Enhancing the practicality of the indicators.

A scope of work of the Task Force on Sustainability for the production of an Implementation Guide on the use of the GBEP Sustainability Indicators for Bioenergy (GSIs) was developed and further endorsed by the GBEP Steering Committee. The Task Force is continuing working towards the development of the Implementation Guide.

**1 December 2016, Thursday**

<b>14.00 – 14.15</b>	<b>Opening and adoption of the agenda</b> <i>Sven-Olov Ericson, TF Co-Chair (Sweden)</i> <i>Otu Kwabena, TF Co-Chair (Ghana)</i>
<b>14.15 – 14.30</b>	<b>Status of the discussion under the Task Force</b> <i>TF Co-Chairs</i>
<b>14.30 – 15.40</b>	<b>Discussion on indicator experiences: cross-cutting issues and re-establishment of the three sub-groups (environmental, social and economic)</b>
<b>15.40 – 16.00</b>	<b>Coffee Break</b>
<b>16.00 – 16.30</b>	<b>Discussion on indicator experiences: cross-cutting issues and re-establishment of the three sub-groups (environmental, social and economic) (con’t)</b>

**16.30 – 17.00****Discussion on the way forward and next steps**

- Recap on programme of work
- Next TF meetings

**18.30 – 21.00****Site visit and Reception – Celebrating the 10<sup>th</sup> GBEP Anniversary***Participants will leave FAO at 18.00 (10/15 min. walking distance)****Case Romane*** (Clivio di Scauro, 00184 - Rome)

Where did the Romans lived? We will take you to the discovery of a Roman residential complex below the Basilica of Saints John and Paul, in Rome, in the Celio area. Over 20 underground rooms, partly decorated with beautiful frescoes, situated on various levels and pertaining to residential buildings of imperial age and Late Antiquity. A hidden treasure in the heart of Rome.

The site visit will be followed by the “***Ancient Aperitif in Rome***”, a reception with dishes of the ancient Rome.



**19<sup>th</sup> Meeting of the GBEP Steering Committee**  
*FAO Headquarters, Lebanon Room D-209 Bis*  
Rome, 2 December 2016

**PRELIMINARY AGENDA**

<b>09.00 – 09.30</b>	<b>Welcome coffee</b>
<b>09.30 – 09.45</b>	<b>Welcome speech</b> Martin Frick, <i>Director, Climate and Environment Division, FAO</i>
<b>09.45 – 10.00</b>	<b>Opening and adoption of the agenda</b> Giovanni Brunelli, GBEP Chair <i>Director, Ministry for the Environment Land and Sea, Italy</i> Amb. Maria Laura da Rocha, GBEP Co-Chair <i>Permanent Representative of Brazil to FAO</i>
<b>10.00 - 10.15</b>	<b>GBEP Chairmanship</b> <ul style="list-style-type: none"><li>• Discussion on the GBEP chairmanship for the next biennium (2017-2018)</li></ul>
<b>10.15 – 11.00</b>	<b>GBEP Programme of Work – GBEP Working Group on Capacity Building for Sustainable Bioenergy (WGCB)</b> <ul style="list-style-type: none"><li>• Presentation of progress report from the Working Group (<i>Co-Chairs</i>)</li><li>• Discussion and endorsement of the way forward</li></ul>
<b>11.00 – 11.45</b>	<b>GBEP Programme of Work – GBEP Task Force on Sustainability (TFS)</b> <ul style="list-style-type: none"><li>• Presentation of progress report from the Task Force (<i>Co-Chairs</i>)</li><li>• Discussion and endorsement of the way forward</li></ul>
<b>11.45 – 11.55</b>	<b>GBEP programme of work and funding arrangements</b> <ul style="list-style-type: none"><li>• Update on GBEP programme of work and funding arrangements for 2017</li></ul>
<b>11.55 – 12.10</b>	<b>GBEP links with the G7 and G20 Summits 2016</b> <ul style="list-style-type: none"><li>• Update on the GBEP Report to the G20 Summit 2016</li></ul>
<b>12.10 – 12.30</b>	<b>Conclusions and next steps</b>
<b>12.30 – 14.00</b>	<b>Lunch break</b>