



NL Agency  
Ministry of Economic Affairs



**Mini-SYMPOSIUM and TWINNING WORKSHOP**  
**Developments in Sustainable Biomass Valorisation**  
**EU-India R&D collaboration on Biomass and Biowaste**

*Utrecht, the Netherlands*  
*NH Hotel*

*28-29th October 2013*

**Announcement and Draft Agenda**

## ***Background information: The SAHYOG Project***

The objective of the SAHYOG project is to actively and effectively link research activities implemented within EU research programmes and related programmes by Indian national institutions in the fields of biomass research and bio-waste conversion to prepare a Strategic Research Agenda and a roadmap for the advancement of RTD with mutual benefits. Within SAHYOG broad networking of respective scientific and industry communities, twinning of large sets of research projects, as well as short term exchange visits of researchers are implemented.

Based on SAHYOG findings, RTD Roadmaps are elaborated through consultation with stakeholders at the governmental, research and industrial level that present a concerted planning of future research initiatives in the area of biomass production and bio-waste conversion.

This coordination activity is of large importance to systematically bridge the on-going respective activities from India and Europe that help providing the basis for novel applications in a sustainable bio-economy of the future – the so-called knowledge based bio-economy (KBBE).

## ***SAHYOG Mini Symposium and Twinning Workshop***

In this **MiniSymposium**, specific views and insights will be presented on the following topics:

- What are major drivers in biomass utilisation and valorisation in the international context?
- What underlying policies and roadmaps can lead to more sustainable use of biomass?
- What is the industry's role, and what can public-private partnerships bring to the table?
- What are major topics for collaboration, in particular with India-one of the largest growing economies in the world?

The MiniSymposium will be followed by a Project **Twinning Workshop**:

**SAHYOG** was tasked to bring together project coordinators and other lead partners from past and on-going projects as well as international networks and industry representatives from India and Europe in order to exploit synergies and thus build up a critical mass for **future EU-India research collaboration in the Biomass and Biowaste valorisation area**. The main objective of the SAHYOG Project Twinning workshop therefore is to bring together project- and programme leaders for increased networking and matchmaking, by reviewing a large set of on-going projects and (industry) initiatives from EU and India. In addition, workshop participants **will identify major areas for collaboration** through interaction and engaging in project twinning. The following activities are possible under SAHYOG project twinning: research cooperation and exchange of researchers, organisation of joint workshops/meetings; development of common trainings; common literature reviews; exchange of tools, analytical methods and databases; exchange of data, information, knowledge and material.

## ***Target groups and Participants***




Participants are key stakeholders from EU member states and India, including

- Representatives of governments and public bodies in EU and India
- Project and –programme leaders of international biomass research and development
- Experts and interested participants in international biomass sourcing and valorisation
- Industry representatives from EU and India

## Workshop Organization

The Workshop is organised jointly by NL Agency, Wageningen UR and WIP, on behalf of the **SAHYOG** consortium. **NL Agency** is since 2008 involved in the facilitation of projects and supplementary research in order to gain experience in the production and certification of sustainable biomass through the Netherlands Programmes for Sustainable Biomass as well as other programmes. Through the support of certification, research and pilot/demonstration projects, NL Agency has acquired much knowledge and experience on biomass (for bioenergy) in many regions around the world. **Wageningen UR** contributes actively to solving scientific, social and commercial problems in the field of life sciences and natural resources, and approaches these issues from the perspectives of various disciplines, with an integrated approach and in close collaboration with governments, companies, stakeholder organisations, citizens, and other knowledge institutions. **WIP Renewable Energies** has long-term experience in the field of international technology cooperation, specifically on biomass and bio-waste technologies, including close cooperation links with a large variety of stakeholders in India. Moreover, WIP has been active in high-level event management for European conferences, workshops, and campaigns.

### Contact details of organisers:

<p><b>NL Agency</b> Croeselaan 15 3521 BJ Utrecht The Netherlands <a href="http://www.agentschapnl.nl">www.agentschapnl.nl</a></p>	<p>Kees Kwant <a href="mailto:kees.kwant@agentschap.nl">kees.kwant@agentschap.nl</a> T +31 6 5393 0793</p>	 <p>NL Agency Ministry of Economic Affairs</p>
<p><b>Wageningen UR</b> P.O. Box 17, 6700 AA Wageningen, The Netherlands <a href="http://www.wageningenur.nl/fbr">www.wageningenur.nl/fbr</a></p>	<p>Rob Bakker, Christine Bunthof <a href="mailto:Robert.bakker@wur.nl">Robert.bakker@wur.nl</a> <a href="mailto:Christine.bunthof@wur.nl">Christine.bunthof@wur.nl</a> T +31-317-481167</p>	 <p>WAGENINGEN UR For quality of life</p>
<p><b>WIP Renewable Energies</b> Sylvensteinstr. 2 81369 Munich Germany <a href="http://www.wip-munich.de">www.wip-munich.de</a></p>	<p>Dominik Rutz, Rainer Janssen <a href="mailto:dominik.rutz@wip-munich.de">dominik.rutz@wip-munich.de</a> <a href="mailto:rainer.janssen@wip-munich.de">rainer.janssen@wip-munich.de</a> T +49-8972012(739/743)</p>	 <p>WIP</p>

### Workshop Details

Conference Venue: *NH Hotel Utrecht*  
 Conference Language: *English*  
 Conference fee: *The symposium is free of charge, but place is limited*  
 Registration: [www.b2match.eu/sahyog](http://www.b2match.eu/sahyog)

# Programme

**Monday, 28th October 2013**

09:00 *Registration*

09:30 **Mini-Symposium**

**Welcome address**

KEES KWANT, NL AGENCY RENEWABLE ENERGIES, THE NETHERLANDS

**The European BioEconomy strategy**

REPRESENTATIVE FROM THE EUROPEAN COMMISSION (TBC)

**Sustainable development in Biomass in an International context**

TBC

**Biobased Economy developments in the Netherlands and other EU member states**

TBC

**Industry's perspectives on Biomass valorisation in international context**

TBC

12:45 *Lunch*

13:45 **Overview of the SAHYOG project**

NEETA SHARMA, EU COORDINATOR SAHYOG, ENEA, ITALY

14:00 **SAHYOG Twinning Workshop Objectives**

RAINER JANSSEN, WIP RENEWABLE ENERGIES, GERMANY

14:15 **Panel Discussion on EU-India R&D Collaboration:  
Areas for collaboration in Project Twinning**

MODERATOR: ROB BAKKER, WAGENINGEN UR

PANELLISTS:

- REPRESENTATIVE FROM EUROPE (TBC)
- REPRESENTATIVE FROM INDIA (TBC)
- REPRESENTATIVE FROM EUROPE (TBC)
- REPRESENTATIVE FROM INDIA (TBC)

15:15 *Coffee/Tea Break*

15:30 **Brokerage event: EU-India Twinning**

Each participant will have the opportunity to meet other participants to discuss opportunities for cooperation in more detail. For arranging the bi-lateral meetings advance online registration is needed. Prior to the workshop, short profiles of registered participants are shown online to facilitate the selection of the brokerage face-to-face meetings. Please add your profile for the brokerage event under: [www.b2match.eu/sahyog](http://www.b2match.eu/sahyog)

For more information on **how to promote yourself, your project or organization**, see the last page of the agenda!

17:30 *Networking drink*

## **Tuesday, 29th October 2013**

- 9:00 **Twinning: Feedstock production and genetic improvement of plants**  
- REPRESENTATIVE FROM INDIA (TBC)  
- REPRESENTATIVE FROM EUROPE (TBC)
- 9:45 **Twinning: Bioethanol production from lignocellulosic biomass**  
- PRAMOD KUMBHAR, PRAJ, INDIA  
- JOHAN THEVELEIN, KU LEUVEN, BELGIUM
- 10:30 **Twinning: Biorefinery: chemicals and materials from biomass**  
- REPRESENTATIVE FROM INDIA (TBC)  
- REPRESENTATIVE FROM EUROPE (TBC)
- 11:15 *Coffee/Tea Break*
- 11:45 **Twinning: Thermochemical conversion technologies**  
- S. DASAPPA, INDIAN INSTITUTE OF SCIENCE, INDIA  
- DAVID CHIARAMONTI, UNIVERSITY OF FLORENCE, ITALY
- 12:30 **Twinning Round Table 1**  
**On areas for collaboration and follow-up actions**  
CHAIR:  
PANELLISTS:  
- REPRESENTATIVE FROM EUROPE (TBC)  
- REPRESENTATIVE FROM INDIA (TBC)  
- REPRESENTATIVE FROM EUROPE (TBC)  
- REPRESENTATIVE FROM INDIA (TBC)
- 13:00 *Lunch*
- 14:00 **Twinning: Anaerobic digestion technologies (biogas, biomethane, hydrogen)**  
- REPRESENTATIVE FROM INDIA (TBC)  
- RICHARD BLANCHARD, LOUGHBOROUGH UNIVERSITY
- 14:45 **Twinning: Algae production and conversion systems**  
- REPRESENTATIVE FROM INDIA (TBC)  
- REPRESENTATIVE FROM EUROPE (TBC)
- 15:30 *Coffee/Tea Break*

- 16:00 **Twinning: Sustainability and life cycle assessment**  
- REPRESENTATIVE FROM INDIA (TBC)  
- ROCIO A. DIAZ-CHAVEZ, IMPERIAL COLLEGE LONDON, UK
- 16:45 **Twinning Round Table 2**  
**On areas for collaboration and follow-up actions**  
CHAIR: DOMINIK RUTZ, WIP RENEWABLE ENERGIES, GERMANY  
PANELLISTS:  
- REPRESENTATIVE FROM EUROPE (TBC)  
- REPRESENTATIVE FROM INDIA (TBC)  
- REPRESENTATIVE FROM EUROPE (TBC)  
- REPRESENTATIVE FROM INDIA (TBC)
- 17:30 **SAHYOG Twinning: Summary and Follow up**  
ROB BAKKER, WAGENINGEN UR, NETHERLANDS
- 18:00 *Closure of Workshop*

## ***The SAHYOG Project***

The objective of the SAHYOG project is to actively and effectively link research activities implemented within EU research programmes and related programmes by Indian national institutions in the fields of biomass research and bio-waste conversion to prepare a Strategic Research Agenda and a roadmap for the advancement of RTD with mutual benefits.

SAHYOG is supported by the European Commission within the 7th Framework Programme (FP7-289615) and by the Department of Biotechnology (DBT) of the Indian Ministry of Science and Technology. It is coordinated by the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and The Energy and Resources Institute (TERI) from India, and the consortium includes 7 partners from Europe and 6 partners from India.



More information is available at the SAHYOG project website: [www.sahyog-europa-india.eu](http://www.sahyog-europa-india.eu)

## ***The SAHYOG Consortium***

- ENEA – Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Italy (EU Coordinator)
- TERI – The Energy and Resources Institute, India (Indian Coordinator)
- ARTI – Appropriate Rural Technology Institute, India, Pune
- CSIR – Council for Scientific & Industrial Research, India
- CSIR – Council for Scientific & Industrial Research – Indian Institute of Chemical Technology (IICT)
- DLR – Deutsches Zentrum für Luft – und Raumfahrt e.V., Germany
- GB Pant University of Agriculture & Technology Pantnagar, India
- Jawaharlal Nehru University, India
- National Technical University of Athens, Greece
- NL Agency – Ministry of Economic Affairs, The Netherlands
- Tezpur University, India
- VITO – Vlaamse Instelling voor Technologisch Onderzoek, Belgium
- Wageningen University and Research Centre – Food and Biobased Research / Wageningen International, The Netherlands
- WIP Renewable Energies, Germany

## ***The SAHYOG Coordination***

### ***ENEA***

Dr. Neeta Sharma  
Email: [neeta@enea.it](mailto:neeta@enea.it)  
Phone: +39 0835 974603/974424  
Website: [www.enea.it](http://www.enea.it)

### ***TERI***

Priyangshu Manab Sarma,  
Email: [priyanms@teri.res.in](mailto:priyanms@teri.res.in)  
Phone: +91 11 24682100/24682111  
Website: [www.teriin.org](http://www.teriin.org)

## **You want to promote your project, your organization, your activities?**

A matchmaking event is a quick and easy way to meet potential cooperation partners. People meet and greet at high speed. 20 minutes are usually enough to build connections, then the bell rings and the next talk starts.

### **1. Online registration**

**Register online and submit your own cooperation profile:**

<http://www.b2match.eu/sahyog>

In your profile you can state what kind of technology/product/expertise you are offering, what kind of cooperation you are looking for and which ideas you would like to discuss with potential collaboration partners.



All cooperation profiles will be published online and will be for everyone to see. You can change your profile any time.

### **2. Promotion of published profiles**

All published profiles will be extensively promoted by the organisers of this event. Furthermore, all participants of the event will view your cooperation profile. A statistical analysis of 40 matchmaking events showed that high quality profiles are visited about 50 to 150 times BEFORE the event and will still be viewed AFTER the event.

### **3. Selection of bilateral meetings**

#### *Email notification*

You will be informed by email when you can start booking bilateral meetings. Check which cooperation profiles are most promising. Intelligent search options allow a quick identification of the most suitable participants/cooperation profiles. Within a few minutes you should be able to identify future potential business partners.

#### *Booking of bilateral meetings*

Once you have found the most promising business partners you can select them for bilateral meetings. You can add further meetings any time but please be aware that the bookings are managed on the principle "first come - first served". You can book meetings BUT you can also be booked for bilateral talks by other participants!

#### *Your personal meeting schedule*

A few days before the event you will receive your personal meeting schedule (furthermore you can constantly check your meeting schedule online). This meeting schedule gives information about the time, the number of the table and who you are going to meet.

### **4. At the event**

Your personal meeting schedule lists in chronological order for each meeting the names of your conversation partners and the number of table for each meeting.