

## Feedstock Production and Genetic Improvement of Plants

### SAHYOG Twinning

Through facilitating and coordinating project twinning, SAHYOG brings together project coordinators and other lead partners from past and on-going projects as well as international networks in order to consolidate R&D results, exploit synergies and thus build up a critical mass for future EU-India research collaboration in the area of biomass and bio-waste.

### Background

Today, the availability of sustainable biomass resources is increasingly seen as most critical for the development of a global bio-based economy. Thereby, biomass use as feedstock for bioenergy (electricity and heat) and biofuels faces competition with a variety of other end uses such as feed, food, paper, wood products and bio-materials. Recent debates over “food versus fuel” have led to increased interest in the use of wastes and residues as valuable feedstock as well as in the optimization of cascading use of feedstock and closed-loop cycle solutions. Furthermore, the increase of yields of biomass feedstock production systems (e.g. through genetic improvements) will be of large importance for future large-scale biomass feedstock supply.

### Research Themes

The following research themes in the field of feedstock production will be addressed under SAHYOG twinning:

- Assessments of resource potentials and cost-supply curves on global, national, regional and local scale
- Identification of suitable feedstock varieties as well as available wastes and residues
- Yield improvements through breeding programmes
- Improvement of feedstock production and management systems
- Development of new and improved harvesting and logistics (including waste collection) systems
- Local and regional optimization of feedstock supply chains
- Development of closed-loop and cascading use solutions

### SAHYOG Twinning – How to get involved?

With respect to EU-India twinning, the following activities and procedures are foreseen within SAHYOG:

- Get in contact with SAHYOG partners responsible for twinning (Robert Bakker, Rainer Janssen, Dominik Rutz)
- Sign Letter of Interest on India-EU SAHYOG twinning
- Define your areas of interest for research cooperation
- Cooperation contacts from India/Europe are identified by SAHYOG
- Assistance for twinning activities is provided by SAHYOG
- Participation in SAHYOG twinning workshop is facilitated

## India-EU SAHYOG Twinning Activities



### Strengthening Networking on Biomass Research and Bio-waste Conversion - Biotechnology for Europe India Integration

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