



This conference is organised as part of the SidaTim  
 FACCE SURPLUS project [www.sidatim.eu](http://www.sidatim.eu)

### Project Partners



West Pomeranian  
 University of Technology,  
 Szczecin,  
 Poland



University of Freiburg, Germany



Consiglio Nazionale delle Ricerche –  
 Istituto di Biologia Agroambientale e  
 Forestale (CNR-IBAF), Porano, Italy



Consiglio per la ricerca in  
 agricoltura e l'analisi dell'  
 economia agraria, Italy



3N Center of Experts, Werlte, Germany



Cranfield University, England

### Funding / Administration



Narodowe Centrum  
 Badań i Rozwoju



Department  
 for Environment  
 Food & Rural Affairs



[www.en.hotel-wenus.pl](http://www.en.hotel-wenus.pl)

### Registration and Contact

Registration is open until 31 August 2018.

Please register at the General Secretary:  
 Magdalena Sobolewska  
[magdalena.sobolewska@zut.edu.pl](mailto:magdalena.sobolewska@zut.edu.pl)

The participation in the conference is free.

#### Call for Posters

Participants are invited to present a poster on  
 their research into biomass production. Please  
 submit an abstract (up to 200 words) by **07  
 September 2018** to Magdalena Sobolewska (see  
 above).

Authors of eligible abstracts will be invited to  
 bring a poster to the conference.

#### Venue:

Hotel Venus, Szczecińska Street 21  
 73-108 Szczecin - Kobylanka, Poland

**Szczecin - Kobylanka  
 19-20 September 2018**



### Novel and Sustainable Pathways of Biomass Production



Zachodniopomorski  
 Uniwersytet Technologiczny  
 w Szczecinie



**FACCE SURPLUS**  
 SUSTAINABLE AND RESILIENT AGRICULTURE  
 FOR FOOD AND NON-FOOD SYSTEMS



# Novel and Sustainable Pathways of Biomass Production

Challenging and competitive market conditions in the European bio-economy have led to increasingly intensified agricultural cultivation practices. However, these practices have had ecologically adverse impacts such as high nitrate leaching, excessive soil erosion, and the loss of insect and bird populations in agricultural areas.

Hence, a reorientation of agricultural management practices that provides increased production and utilization of natural resources as well as ecological sustainability is needed. This conference highlights the latest international research on biomass plants that can be used help to mitigate some of these ecological challenges.

Particular focus will be given to the plants *Sida hermaphrodita* and *Silphium perfoliatum*, highlighting their productivity, potential uses, open research questions, and management experiences.



Wednesday, 19 September

9:00 - 12:45 Morning Session

- **Welcome.** Marek Bury, ZUT w Szczecinie, Poland
- **Biomass production in Germany: Promotion, trends and sustainability.** Theodor Fock, HS Neubrandenburg, Germany
- **Overview on the project SIDATIM.** Michael Nahm, University Freiburg, Germany
- **Towards a closer understanding of *Sida*: plant establishment, performance, and biomass utilization.** Nicolai David Jablonowski, IBG-2: Plant Sciences, Forschungszentrum Jülich, Germany

– 10:45 - 11:00 Coffee Break

– ***Sida* and *Silphium* cultivation in Austria – sowing, biomass production and crop management.** Philipp von Gehren, AGES, Vienna, Austria

– **Economic and environmental sustainability of *Sida* and other biomass crops on Italian farms.** Gianni Facciotto & Pierluigi Paris, CREA & CNR, Italy

– **Biomass yields of *Sida* and *Silphium* growing in north-western Poland.** Marek Bury, ZUT w Szczecinie, Poland

12:45 - 1:45 Lunch Break

1:45 - 5:15 Afternoon Session

– **Practical experiences with the cultivation of *Sida hermaphrodita* in Poland.** Mirosław Kozakowski, Poland

– **Practical experiences with the cultivation of *Sida hermaphrodita* in Germany.** Dirk Helling-Junghans, Germany

– **Chemical properties of *Sida* and *Silphium*.** Hanna Siwek, ZUT w Szczecinie, Poland

– 3:15 - 3:30 Coffee Break

– **Phytoremediation driven energy crop production using *Sida hermaphrodita* – the Phyto2Energy Project.** Jacek Krzyzak, Institute for Ecology of Industrial Areas, Katowice, Poland

– **Energetic value of biofuels from sweet sorghum fertilized with waste products** Lilianna Głąb, Wrocław University of Environmental and Life Sciences, Poland

– **Growth and performance of *Miscanthus sp.* on contaminated arable land – the MISCOMAR Project.** Marta Pogrzeba, Institute for Ecology of Industrial Areas, Katowice, Poland

Thursday, 20 September

9:00 - 11:30 Field Trip

Excursion to the Experimental Agricultural Station in Lipnik

Demonstration of experimental test plots with different energy plants including *Sida hermaphrodita*, *Silphium perfoliatum*, *Miscanthus giganteus*, *Spartina pectinata*, willow and others.

Return to Hotel Wenus.

11:30 - 12:30 Poster Session

12:30 - 1:30 Lunch Break

1:30 - 2:30 Summary and Closing of the Conference

Conference Location:

Hotel Wenus, Szczecin - Kobylanka



For further details, see [www.en.hotel.wenus.pl](http://www.en.hotel.wenus.pl)

