

Online - Conference

# Challenges and opportunities of the bioeconomy at regional level

Nora Szarka, Laura García



June 23-24, 2020, Leipzig

# Welcome



- Welcome
- Technical issues of the conference
- Introduction to DBFZ
- Power4Bio Project
- Agenda of the conference



# Technical instructions for attendants



## Connection with audio

- Your microphone is during the course of the event silenced. In case you would like to speak in any moment of the event, please click on Rise Hand (Hand heben).

## Which possibilities to communicate do you have?

- **Chat:**  with the chat function you could send comments.  
The questions will be passed directly here in the auditorium to the moderator.
- **Raise hand:**  pressing on this symbol you will let know the Moderator of your wish to speak.
- It is possible to join the livestream via video or telephone

## Who can you communicate for technical support?

- Joana Klein, Katja Lucke und Caroline Süß are at your disposal through the chat and /or [veranstaltungen@dbfz.de](mailto:veranstaltungen@dbfz.de).

# Technical instructions for attendants



## **Where can I find the list of attendants ?**

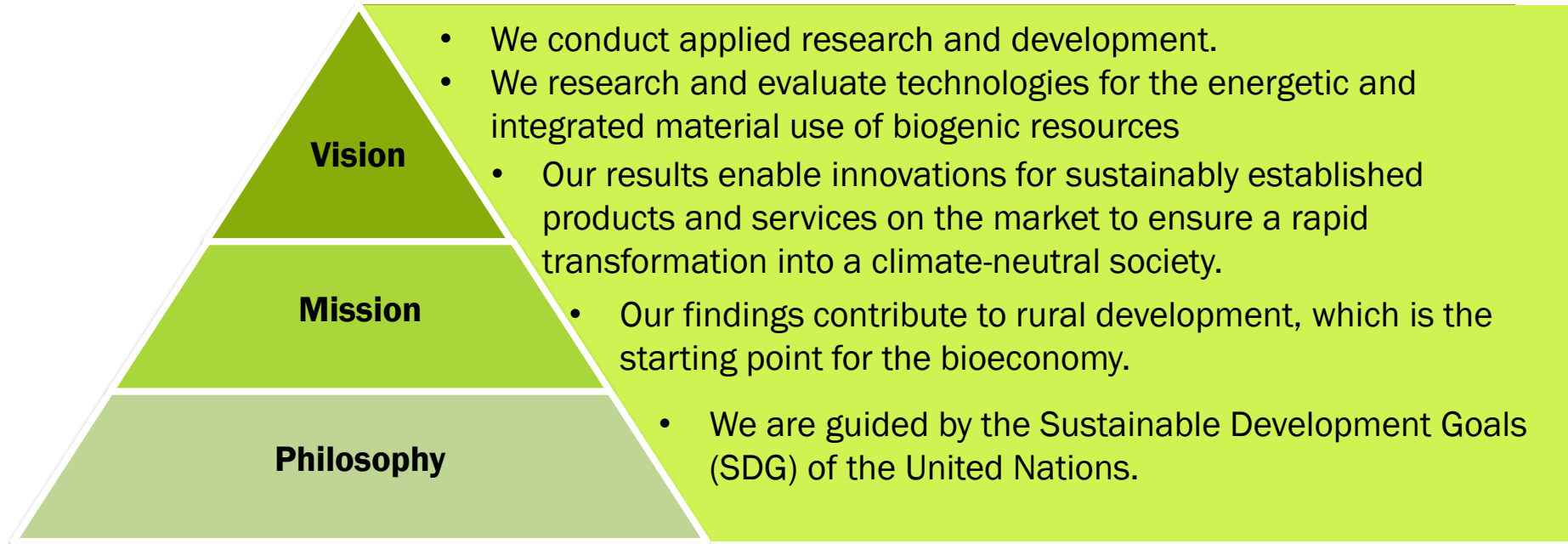
- You might find the list of attendants as PDF before the event starts in Cisco Webex under „Personenliste“ (List of people)

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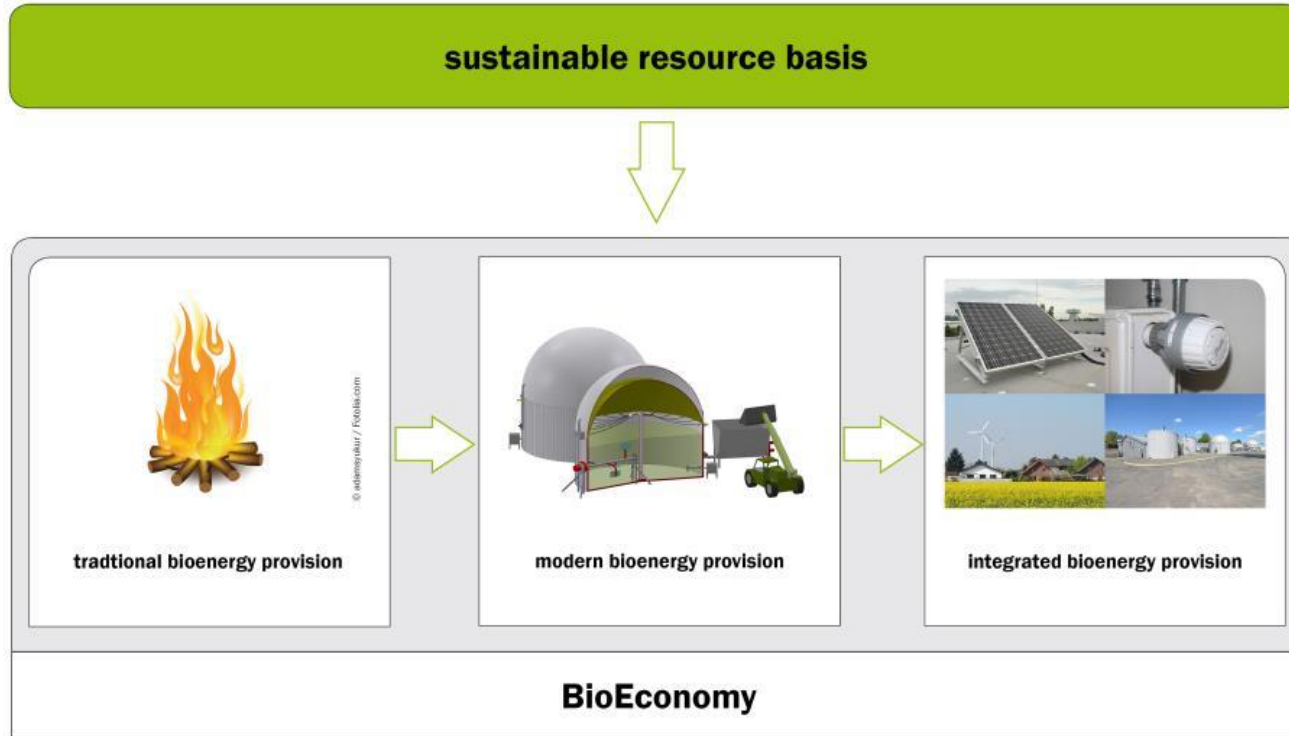
## **How can I change the view on the WebEx session?**

- The Display tool list allows you to switch between standard view, thumbnail view, page rotation, zoom in/out, or full-screen view.

# DBFZ – Vision and philosophy



# DBFZ - Steps towards a „smart bioenergy“



# The DBFZ in figures (2019)



**131**  
**Worked**  
**projects**

**50**  
**finished**  
**projects**

**37**  
**new started projects**  
Market- and third party funding  
projects

**53**  
**Peer reviewed**  
**Publications**  
(thereof 26 open access  
publications)

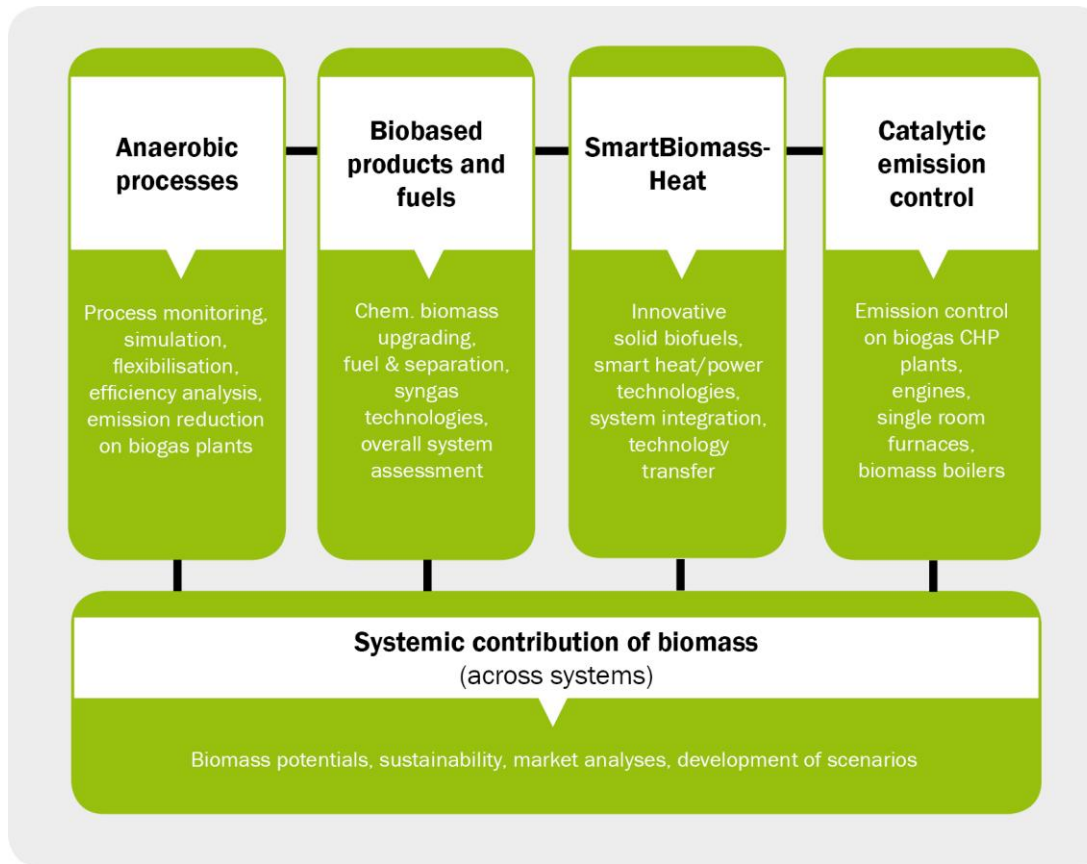
**Approx. 234.000 €**  
Average project  
volume  
of the projects started in 2019

**248**  
**Employees**  
(as per 31.12.2019)

**37**  
**Visiting groups**  
**at the DBFZ**

**29**  
**Events**  
(trade fairs, congresses,  
conference participations,  
public events)

# The research focus areas at the DBFZ



# Department - Systemic contribution of biomass



*„Smart bioenergy use in small, very precisely controlled plants will be a building block of integrated supply systems and be able to contribute to the sustainable energy supply of tomorrow“.*

*(Prof. Dr.-Ing. Daniela Thrän, DBFZ/UFZ/University of Leipzig)*

## Objectives of the research focus area

- Analysis and mobilization of biomass potentials
- Assessment of the contribution of biomass in the renewable energy system
- Future requirements for bioenergy technologies as a prerequisite for system integration
- Requirements for sustainable, material-energetic biomass use in an increasingly climate-neutral supply system





**POWER4BIO**  
REGIONS FOR  
BIOECONOMY



# emPOWERing regional stakeholders for realising the full potential of european BIOeconomy

This project has received funding from the European Union's  
Horizon 2020 research and innovation programme  
under grant agreement No 818351



## POWER4BIO aim

Empowering regional stakeholders to boost the transition towards bioeconomy regions in Europe by providing them with the necessary tools, instruments and guidance to develop and implement sound sustainable bioeconomy strategies.

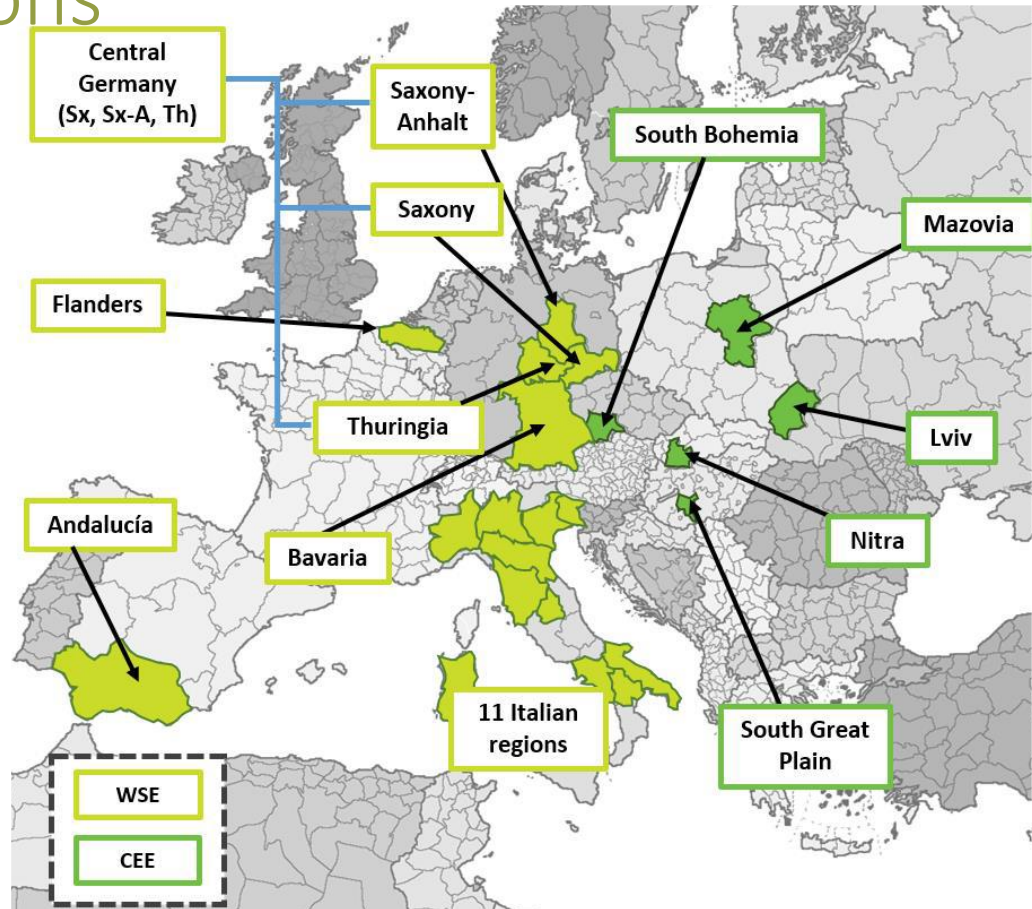


# 17 partners in eleven countries



# POWER4BIO regions

- 10 participant regions
- 5 regions from Western and Southern Europe with medium to very high bioeconomy maturity
- 5 regions from Central and Eastern Europe with low to medium bioeconomy maturity



# Activities and Outputs



## Regional Bioeconomy Hubs

Set up infrastructure in CEE regions where key stakeholders collaborate to develop a bioeconomy strategy

## New bioeconomy bridges between regions

Fostering the dialogue between POWER4BIO stakeholders and enabling long-lasting cross-regional cooperation

## 10 cross-visits and training programmes

Experience exchange by visiting each POWER4BIO region. Training and education programmes for regional stakeholders

## Catalogue of mature technologies

Support regions to identify most adequate biobased solutions, suitable to be deployed at small-scale in rural areas

## KPIs to evaluate regional bioeconomies

Factors, features and key performance indicators for the short and medium – term bioeconomy potential assessment. Grouped in 8 categories.

# Activities and Outputs



## Tools inventory to analyse regional bioeconomy

Selection and evaluation of existent tools based on their content and user interaction to support regional bioeconomy analysis.

## Regional Bio-based business models

Description of business models behind the most promising technical solutions of Power4bio catalogue.

## Suitable policies in bio-based economy.

An overview of public policies and regulations across different scales (EU, national, regional) and diverse policy domains.

## Repository and guidelines of private and public funding instruments.

A selection of financing mechanisms for Bio-based solutions available in EU and at national level. Guidelines to develop synergies with ESIF.

## Bioregional Strategy Accelerator Toolkit

Guiding methodology with instruments & support material for regions to prepare and review their bioeconomy strategy

# POWER4BIO conference

10 cross-visits and training programmes

The event is organised by the [Deutsche Biomasseforschungszentrum gemeinnützige GmbH \(DBFZ\)](#) in cooperation with the [Bioeconomy Cluster e.V.](#) and the Horizon 2020 project [ENABLING \(Enhance new Approaches in Biobased Local Innovation Networks for Growth\)](#).

# Agenda - 23<sup>rd</sup> June 2020

Time	Topic	Speaker
09:00 – 09:15	Opening and Welcome	Dr. Nora Szarka (DBFZ)
09:15 – 09:25	Keynote speaker: The German Bioeconomy Strategy and its political relevance	Dr. Dieter Konold (Projektträger Jülich)
09:25 – 09:30	Interaction with attendants	
09:30 – 09:45	Bioeconomy in Central Germany – “Status quo”	Prof. Dr. Matthias Zscheile (Bioeconomy Cluster e.V)

# Agenda - 23<sup>rd</sup> June 2020

Time	Topic	Speaker
09:45	Best business and innovation cases	
09:45 – 10:00	Amynova Polymers Gmb	Bernhard Sack
10:00 – 10:20	Madebymade GmbH	Jonas Finck
10:20 – 10:40	Technical University Dresden – Chair of timber engineering and construction design	Prof. Dr. Ing. Peer Haller
10:40 – 11:00	Qmilkfiber (Biomaterials)	Dr. Anke Domaske
11:00 – 11:15	Short coffee break	

# Agenda - 23<sup>rd</sup> June 2020

Time	Topic	Speaker
11:15 – 11:25	Interaction with attendants	
11:25 – 11:40	MoreBio – Model region of the bioeconomy	Martin Graffenberger; Romy Brödner (DBFZ)
11:40 – 11:55	Best case example of circular bioeconomy – Ecospray	Dr. Murree Groom (Ecospray)
11:55 – 12:10	Key sustainability issues for implementing bioeconomy regions	Dr. Alberto Bezama (UFZ)
12:05 – 12:10	Interaction with attendants	
12:10 – 13:00	Panel discussion – Challenges of bioeconomy acceleration at regional level	Prof. Dr. Lotze-Campen (PIK) Joachim Schulze (PIK) Flavio Conti (ENRD)
13:00	Final words – closure of the event	

# Agenda – 24th June 2020 - Workshop

Time	Topic	Speaker
09:00 - 09:10	Opening and Welcome	Nora Szarka; Laura Garcia (DBFZ)
09:10 – 09:15	Prepared interaction with attendants	
09:15 – 09:30	Key Note speaker: Overcoming the challenges of bioeconomy regions	Prof. Dr. Anna Aladjadjiyan (National Biomass Association – Bulgaria)
09:30 – 11:00	Workshop session – Overcoming regional bioeconomy challenges based on collective experiences and knowledge	All attendants
11:00 – 11:15	Short coffee break	
11:15 – 11:35	Summary of workshop results and conclusions	Laura Garcia (DBFZ)
11:35 – 11:45	Feedback of workshop session	
11:45 – 12:00	Final words – closure of the event	

# Thank you for your attention!

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