

# Circular Bioeconomy Cluster Week

## T+I Cluster Meeting

Mon. 08/28/2023

### Day I OPENING

Water

Schönborner Armaturen GmbH | Doberlug-Kirchhain

14:00	Arrival and Coffee	
14:30	Opening remarks & welcome to workshop	Prof. Dr. Michael Groß   T+I Consult Prof. Dr. Ben Hankamer   University of Queensland (UQ)
14:35	Welcome speech	Christian Jaschinski   Landrat Elbe-Elster
14:45	Welcome speech	Thomas Ebert   Schönborner Armaturen GmbH
14:55	Brandenburger Innovationscluster "WasserWirtschaft"	Thomas Ebert   Schönborner Armaturen GmbH
15:15	International ZIM-Network Water4All: Improved Water Management through R&D Projects	Nikita Sklyomin   T+I Consult
15:25	Project Schlamm-TEC	Andreas Sabados; Dr. Björn Fischer   OASE GmbH Tobias Neumann   WERTEC GmbH Dr. Jacqueline Rücker   BTU
15:45	Coffee break and networking	
16:15	Short Presentations (10 Min.) / Company Pitches and Opportunities	
	Pitch 1	Dr. Adrian Augustyniak   PhageArmour Ltd - Digital
	Pitch 2	Dr. Matthias Leiker   P.U.S. GmbH
16:50	Forecasting short-term water demand: an important tool for water utilities	Dr. Martin Wagner   TZW / DVGW
17:15	Guided Tour through the Schönborner Armaturen GmbH	Thomas Ebert   Schönborner Armaturen GmbH
17:45 - 20:00	Get-Together	

# Circular Bioeconomy Cluster Week

## T+I Cluster Meeting

Tue. 08/29/2023

### Day II SEMINAR DAY

Environment & Food

Forschungsinstitut für Bergbaufolgelandschaften (FIB) | Finsterwalde

08:30 Arrival and Coffee

09:00 *Opening remarks & welcome to workshop*

Prof. Dr. Michael Groß | T+I Consult  
Prof. Dr. Ben Hankamer | University of Queensland (UQ)

09:05 Welcome speech

Dr. Klaus Freytag | Lusatia Representative of the Minister  
President, State Chancellery of the State of Brandenburg

09:15 *Representative from Queensland Government / Australian embassy*

Stefan Augustin | Queensland Government

09:25 Welcome FIB

Dr. Michael Haubold-Rosar | Forschungsinstitut für  
Bergbaufolgelandschaften (FIB) e.V.

### Introduction

09:30 Fields of activity and research focus - FIB

Dr. Michael Haubold-Rosar | Forschungsinstitut für  
Bergbaufolgelandschaften (FIB) e.V.

09:50 *Driving a sustainable business transition within our forecast Climate change timeline. Challenges and new opportunities of Solar Biotechnologies.*

Prof. Dr. Ben Hankamer | University of Queensland (UQ)

10:10 Coffee break and networking

### Environment & Food

10:30 *Recycling organic wastes and nutrients to fuel the bioeconomy*

Prof. Dr. Susanne Schmidt | University of Queensland (UQ)-  
Digital

10:55 *Growing Green*

Doris Wüstenhagen | LEAG

11:20 GER-AUS Cooperation Project "GreenPatch": Functionalising & Scaling of Natural Geofabrics

Petra Finkenbein | NagolaRe  
Frank Stiehler | Mechakon  
Dr Edoardo Bertone | Griffith University (GU)  
Jeffrey Lae | JL Algae Science

12:00 Lunch and networking

<b>12:30</b>	Green Revolution on the plate: The next stage of plant protein processing for innovative nutritional solutions.	Juliette Rudzick   German Institute of Food Technologies (DIL)
<b>12:50</b>	New Trends in the Food Sector / Algae based food products	Dr. Torsten Schweikert   IGV Institute for Grain Processing GmbH
<b>13:10</b>	Physical Plasma Methods for a novel Circular Bioeconomy Approach	Dr. Katja Zocher   INP
<b>13:35</b>	Panel discussion: Circular Bioeconomy -Innovation Potentials for Sustainable Product Development?	Moderation: Prof. Dr. Michael Groß   T+H Consult

**14:15** Coffee break and networking

## Business Opportunities, Future Projects

<b>14:45</b>	High value products from algae using genetically engineered cell lines	Prof. Dr. Olaf Kruse   Bielefeld University - Digital
<b>15:10</b>	<i>New Methods of Algae Production</i>	<i>Bento Koike   Greenalgi</i>
<b>15:35</b>	<i>The Centre for Solar Biotechnology: Design and Development of light driven biotechnologies.</i>	<i>Prof. Dr. Ben Hankamer   University of Queensland (UQ)</i>
<b>16:00</b>	Open Talk with farmers on the challenges and opportunities for innovation in agriculture	Frank Schneider   Agrargenossenschaft Heinersbrück eG Dorsten Höhne   Agrargenossenschaft Züllsdorf e.G Bernd Starick   Bauern AG Neißetal
<b>16:45</b>	Closing remarks and open discussions	Moderation: Prof. Dr. Michael Groß   T+H Consult Dr. Michael Haubold-Rosar   Forschungsinstitut für Bergbaufolgelandschaften (FIB) e.V.

**ab 17:00** Guided Tour FIB

# Circular Bioeconomy Cluster Week

T+I Cluster Meeting

## Day III SEMINAR DAY

Wed. 08/30/2023

BTU Cottbus-Senftenberg | Cottbus

Digitalization, Automatisisation & Energy

08:30 Arrival and Coffee

09:05 Opening remarks & welcome to workshop

Prof. Dr. Michael Groß | T+I Consult  
Prof. Dr. Ben Hankamer | University of Queensland (UQ)

09:15 Welcome Speech

Prof. Dr. Gesine Grande | President BTU

09:25 Welcome & Greetings

Tobias Schick | Cottbus Mayor

### Parallel Session 1 : Energy

09:35 Energy transition and Solar Energy

Paul Meredith - Digital | University of Queensland (UQ)

09:55 Green Mobility

Prof. Dr.-Ing. Klaus Höschler & Heiko Witte | Center for Hybrid Electric Systems Cottbus (CHESCO)

10:20 Circular Biomufacturing

Dr. Patrick Rose | SPRIND - Bundesagentur für Sprunginnovationen

10:35 Batteries of the Future

Carsten Baumeister | Altech Group

### Parallel Session 2 : Digitalization, Automatisisation

Keeping it Cool: Predictive Maintenance for Energy Conservation in Industrial Refrigeration System

Dr. Ron van de Sand | TH Wildau

Intelligent Cattle Observer - Animal health monitoring system

Axel Cziommer | cecon Computer Systems GmbH in Cooperation with TU Chemnitz & Paderborn University

Threat detection in the gas and electricity distribution networks

Sebastian Dominok | Adlares GmbH/ Flyscan Systems Inc.

BVLOS Area in Lausitz: Public infrastructure for unmanned aerial vehicles

Torsten Schwieg | Flugplatzgesellschaft Cottbus/Neuhausen mbH

11:00 Coffee break and networking

### Energy and Automatisisation

11:25 RescueFly: Use of unmanned aerial systems equipped with cameras to assist in water rescue operations

Joachim von Beesten | Björn Steiger Stiftung  
Thomas Zügel | Tholeg

11:50 Energy supply systems for regional airfields to ensure emission-free flying operations

Prof. Dr. Jürgen Petzoldt | TU Ilmenau Transfer GmbH  
Dr. Helge Schäfer | Elatec GmbH  
Torsten Schwieg | Flugplatz Cottbus/Neuhausen

### Parallel Session 1 : Energy

12:15 New generation emissions-free lightweight aircraft technology

Dr. Reiner Stemme & Dr. Wolfgang Stemme\* | RS.aero GmbH

12:40 New manufacturing technologies for components and systems in decentralized energy technology

Prof. Dr. Holger Seidlitz | BTU

### Parallel Session 2 : Digitalization, Automatisisation

Microsensors - Sensors of Digitalization

Dr. Christine Ruffert | BTU

Bio-composites based on cork and carbon fiber

Dr. Ewa Witon-Morgiewicz | TC3 Ltd.

13:15 Lunch and networking

14:30 Panel discussion: "Energy, Digitalization and Bioeconomy: Innovation and Challenges"

Moderation : Prof. Dr. Ben Hankamer

15:30 Coffee break and networking

## Cooperation Opportunities / Start-Up Pitches

16:10	ZIM Innovation Networks - Importance for regional transformation	Dr. Kerstin Röhrich   VDI/VDE Innovation + Technik GmbH
16:25	LSP Lausitz Science Park –Innovation driver of the region	Prof. Dr.-Ing. Michael Hübner   Vice President for Research and Transfer at BTU Cottbus-Senftenberg BTU
16:40	Innovations for regional development. New practices in Germany's coal phase-out	Dr. Marian Günzel & Tamara Schaal-Lagodzinski   BBSR Federal Institute for Research on Building, Urban Affairs and Spatial Development
16:55	Models for improving forecasting Extreme Weather Conditions	Joachim von Beesten   Björn Steiger Stiftung
17:15	GrowAG and T+I - Cooperation Project opportunities	David Lord   AgriFutures/GrowAG & Nikita Sklyomin   T+I Consult
17:35	Startup Corner (10 Min.) / 5 Startup Pitches	ePHANT /Dr.-Ing. Saman Amanpour, CTO Sonocrete/Dr. Nora Baum, CFO toolbot / think.systems UG /Jan Gerlach VIRADRONES / Neuziel GbR /Michael Freudenberg
18:25	Hackathon: Smart Technologies - Finding Practical Solutions Attendees are grouped based on their areas of expertise to brainstorm and develop ideas for new R&D projects that could be eligible for funding or subsidies	Moderation: Prof. Dr. Michael Hübner   BTU
18:50	Closing remarks and open discussion on available funding opportunities and subsidies, including successful case studies and examples of collaborations between SMEs and scientific partners that have received funding or subsidies.	Prof. Dr. Michael Hübner   BTU Prof. Dr. Ben Hankamer   UQ Prof. Dr. Michael Groß   T+I Consult
18:55 - 21:30	Get - Together and Snacks @ Start block 2 (Foyer)	T+I Consult

# Circular Bioeconomy Cluster Week

## T+I Cluster Meeting & Workshops

Thu. 08/31/2023

### Day IV

## COMPANY VISITS AND INDIVIDUAL BUSINESS MEETINGS

IGV\* Institut für Getreideverarbeitung GmbH | Postdam

T+I Consult | Berlin

Participants are cordially invited to visit the company of their preference in the options above displayed to consolidate their networks and business opportunities.

All-day Networking and Individual Meetings

**Update! Please note that an excursion was planned for this day, but the minimum number of participants for implementation was not reached. Therefore individual meetings will be held instead.**

Event Language : German \*\* English translation support available

International

\* requested

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