

Circular Bioeconomy Cluster Week

T+I Cluster Meeting

Mon. 08/28/2023
Day I OPENING

Schönborner Armaturen GmbH | Doberlug-Kirchhain

Water

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-Netzwerk 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
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20:00 Get-Together

Circular Bioeconomy Cluster Week

T+I Cluster Meeting

Tue. 08/29/2023

Day II SEMINAR DAY

Forschungsinstitut für Bergbaufolgelandschaften (FIB) | Finsterwalde

Environment & Food

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 *UQ Industry Engagement*

Caroline Stott | University of Queensland (UQ) -
Executive Director, Research partnerships - Digital

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

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

14:15 Coffee break and networking

Business Opportunities, Future Projects

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| 14:45 | High value products from algae using genetically engineered cell lines | Prof. Dr. Olaf Kruse Bielefeld University - Digital |
| 15:10 | <i>New Methods of Algae Production</i> | <i>Bento Koike Greenalgi</i> |
| 15:35 | <i>CO2 Emissions and Sustainable Development</i> | <i>Prof. Dr. Ben Hankamer University of Queensland (UQ)</i> |
| 16:00 | Farmer's Talk : Experiences, problems and needs in the recultivation of former coal mining areas for farmers | Frank Schneider Agrargenossenschaft Heinersbrück eG Dorsten Höhne Agrargenossenschaft Züllsdorf e.G Bernd Starick Bauern AG Neißetal |
| 16:45 | Closing remarks and open discussions | Moderation: Prof. Dr. Michael Groß T+I 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

Wed. 08/30/2023

Day III SEMINAR DAY

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 Höscher & Heiko Witte | Center for Hybrid Electric Systems Cottbus (CHESCO)

10:20 Circular Biomanufacturing

Dr. Patrick Rose | SPRIND - Bundesagentur für Sprunginnovationen

10:35 Batteries of the Future

Carsten Baumeister | Altech Group

11:00 Coffee break and networking

11:25 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

11:50 New generation emissions-free lightweight aircraft technology

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

12:15 New manufacturing technologies for components and systems in decentralized energy technology

Prof. Dr. Holger Seidlitz | BTU

12:40 Overview EPBD – Energy Performance of Buildings Directive (EU -Regulation) and national funding of smart buildings

Sebastian Treptow | ZVEI e.V.

13:15 Lunch and networking

14:30

Panel discussion: Bioeconomy and Energy Transition

Moderation : Prof. Dr. Ben Hankamer

15:30 Coffee break and networking

Parallel Session 2 : Digitalization, Automatisisation

Automation and Digitalization as Competitive Advantages

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.

Digitalisation, the path to energy efficiency through system stability: monitoring, forecasting, automation, learning and anticipation

Douglas Lees | HST Systemtechnik GmbH & CO. KG

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

Joachim von Beesten | Björn Steiger Stiftung
Thomas Zügel | Tholeg

BVLOS Area in Lausitz: Public infrastructure for unmanned aerial vehicles

Torsten Schwieg | Flugplatzgesellschaft Cottbus/Neuhausen mbH

Microsensors - Sensors of Digitalization

Dr. Christine Ruffert | BTU

Bio-composites based on cork and carbon fiber

Dr. Ewa Witon-Morgiewicz | TC3 Ltd.

Cooperation Opportunities / Start-Up Pitches

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| 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 VIRA DRONES / 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 EXKURSION DAY

LEAG Tagebau Welzow-Süd

Mining and Reclamation Exkursion

Partners and participants are cordially invited to this Excursion day (Optional participation) where we have planned two field trips to explore and learn more about mining and reclamation processes. (Registration required)

Estimated duration of Field Trips : 3hrs approx

08:30

Arrival

Meeting point : Steinitzhof Drebkau (Steinitzer Dorfstr. 1 / 03116 Drebkau)

09:00

Field Trip : Tagebau Welzow Süd

Please wear sturdy shoes and weatherproof clothing and get ready for adventure!

12:00

End

Steinitzhof Drebkau (Steinitzer Dorfstr. 1 / 03116 Drebkau)

Circular Bioeconomy Cluster Week

T+I Cluster Meeting & Workshops

Fri. 09/01/2023

Day V 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

Event Language : German ** English translation available

International

* requested

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