

**8<sup>th</sup> International BioSC Symposium**  
**Bioeconomy and sustainability- Opportunities, expectations, responsibilities**  
**27<sup>th</sup> - 28<sup>th</sup> January 2025 | Bonn**



**January 27<sup>th</sup>, 2025**

**12:00**      **Registration with Light Lunch**

**Opening Session**

**Moderation: Ulrich SCHURR**, Forschungszentrum Jülich, Management Board Bioeconomy Science Center

<b>13:00</b>	<p><b>Greetings from Ministry of Culture and Science NRW</b>  <b>Thorsten MENNE</b>, Research Funding and Research Policy, Ministry of Culture and Science of the state North Rhine-Westphalia</p> <p><b>Greetings from BioSC</b>  <b>Ulrich SCHURR</b>, Spokesperson Management Board BioSC</p>
<b>13:15</b>	<p><b>Christian Patermann Award 2024</b>  Laudatio by <b>Ingar JANZIK</b>, BioSC  Awarding of the prize by <b>Thorsten MENNE</b>, MKW NRW</p>

**Keynote Lecture**

**Moderation: Ulrich SCHURR**, Forschungszentrum Jülich / BioSC

<b>13:30</b>	<p><b>Accelerating the implementation of the SDGs in a (geo)politicized world: What role for Germany and Europe?</b>  <b>Axel BERGER</b>, German Institute of Development and Sustainability (IDOS), Bonn</p>
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**Session I: What nature provides and humans create – Natural and man-made ecosystems**

**Moderation: Ingar JANZIK**, BioSC

<b>14:15</b>	<p><b>Feeding on diversity - useful plants and plant uses</b>  <b>Maximilian WEIGEND</b>, Bonn Institute of Organismic Biology (BIOB) and Botanical Gardens, University of Bonn</p> <p><b>Plant nutrition for sustainable plant production</b>  <b>Stanislav KOPRIVA</b>, Institute for Plant Sciences, University of Cologne</p> <p><b>Bio-based approaches for plant health</b>  <b>Sylvia SCHLEKER</b>, INRES – Molecular Phytomedicine, University of Bonn / BioSC</p>
	<b>Questions &amp; Answers</b>
<b>15:30</b>	<b>Poster Session &amp; Coffee</b>

**Moderation: Sandra VENGHAUS**, RWTH Aachen University / BioSC

<b>16:30</b>	<p><b>The role of bioeconomy for climate change mitigation and adaptation</b>  <b>Daniela JACOB</b>, Climate Service Center Germany (GERICS), Helmholtz-Zentrum Hereon, Hamburg</p> <p><b>Integrated life cycle sustainability assessment as support for the development of sustainable bio-based products</b>  <b>Nils RETTENMAIER</b>, ifeu-Institut für Energie- und Umweltforschung, Heidelberg</p>
	<b>Questions &amp; Answers</b>

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*Evening discussion*

**Session II: Sustainability perspectives of the generations**

Moderation: Ulrich SCHURR, Forschungszentrum Jülich / BioSC

17:30	<b>The PRACC project: Practical Challenges of Climate Change - Intergenerational Justice and Freedom</b> Dirk LANZERATH, German Reference Centre for Ethics in the Life Sciences (DRZE), Bonn
	<b>Debate: Controversial sustainability perspectives of the generations</b> Sandra VENGHAUS, Decision Analysis and Socio-economic Assessment, RWTH Aachen University / BioSC Dirk LANZERATH, German Reference Centre for Ethics in the Life Sciences (DRZE), Bonn Anna VON MIKECZ, Member Bioeconomy Council NRW, Vice Chair NABU NRW, Düsseldorf Linda LÜTKES, Office Bioeconomy Council NRW, Düsseldorf
18:30	<b>Networking Dinner</b> (The poster exhibition is open all evening)

**January 28<sup>th</sup>, 2025**

08:30 Welcome Coffee

**Keynote Lecture**

Moderation: Heike SLUSARCZYK, BioSC

09:00	<b>Sustainable Development: International cooperation and contributions of bioeconomy</b> Adrian LEIP, European Commission, DG R&I - Bioeconomy and Food Systems, Brussels
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**Session III: Natural human needs - Food supply and health**

Moderation: Georg GROTH, Heinrich Heine University Düsseldorf / BioSC

09:45	<b>Tasty futures – Accelerating system change through food</b> Lee GREENE, Food Horizons & Foodhub NRW e.V., Düsseldorf
	<b>Fermenting a Sustainable Future: The Role of Micro- and Precision Fermentation in Achieving Global Sustainability Goals</b> Maria SCHARFE, Formo, Berlin
	<b>From Innovation to Acceptance: Shelf Life-Extending Technologies to Combat Food Waste</b> Jeanette KLINK-LEHMANN, Institute for Food and Resource Economics, University of Bonn / BioSC Florian BOURDEAUX, Institute of Biotechnology, RWTH Aachen University / BioSC
	<b>Questions &amp; Answers</b>
11:00	<b>Poster Session &amp; Coffee</b>

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**Session IV: Beyond natural needs - Biomanufacturing and circular economy**

**Moderation: Dörte ROTHER, Forschungszentrum Jülich / BioSC**

<b>12:15</b>	<b>Driving Bioeconomy Forward: From Biorefineries to Biomanufacturing</b> Michel MANGION, Bioeconomy for Change Network, France
	<b>Integrated Bio-Process Development at the Center for Next Generation Processes and Products - Itaconic Acid Production as a Case Study</b> Katharina SAUR, AVT - Process Engineering, RWTH Aachen University / BioSC
	<b>The Jülich Biofoundry – Accelerated development of tailor-made catalysts and bioprocesses</b> Stephan NOACK, IBG-1 Biotechnology, Forschungszentrum Jülich / BioSC
	<b>Questions &amp; Answers</b>
<b>13:30</b>	<b>Poster Awards</b> Presentation BioSC Poster Award Presentation PRACC Poster Award
<b>13:45</b>	<b>Closing Remarks</b> Ulrich SCHURR, Forschungszentrum Jülich / BioSC
<b>13:50</b>	<b>Farewell Lunch</b>