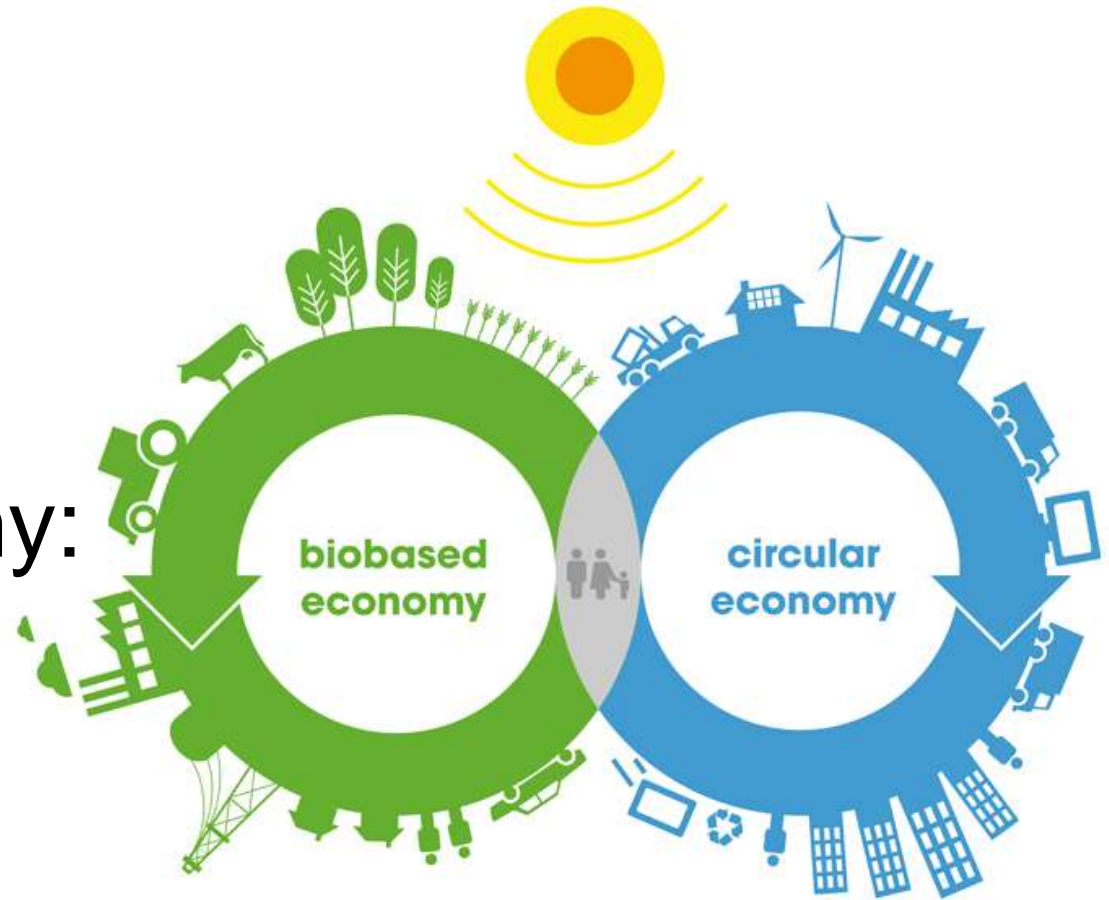


WELCOME

to the session:

Bio-based materials
within the circular economy:
opportunities and
challenges?



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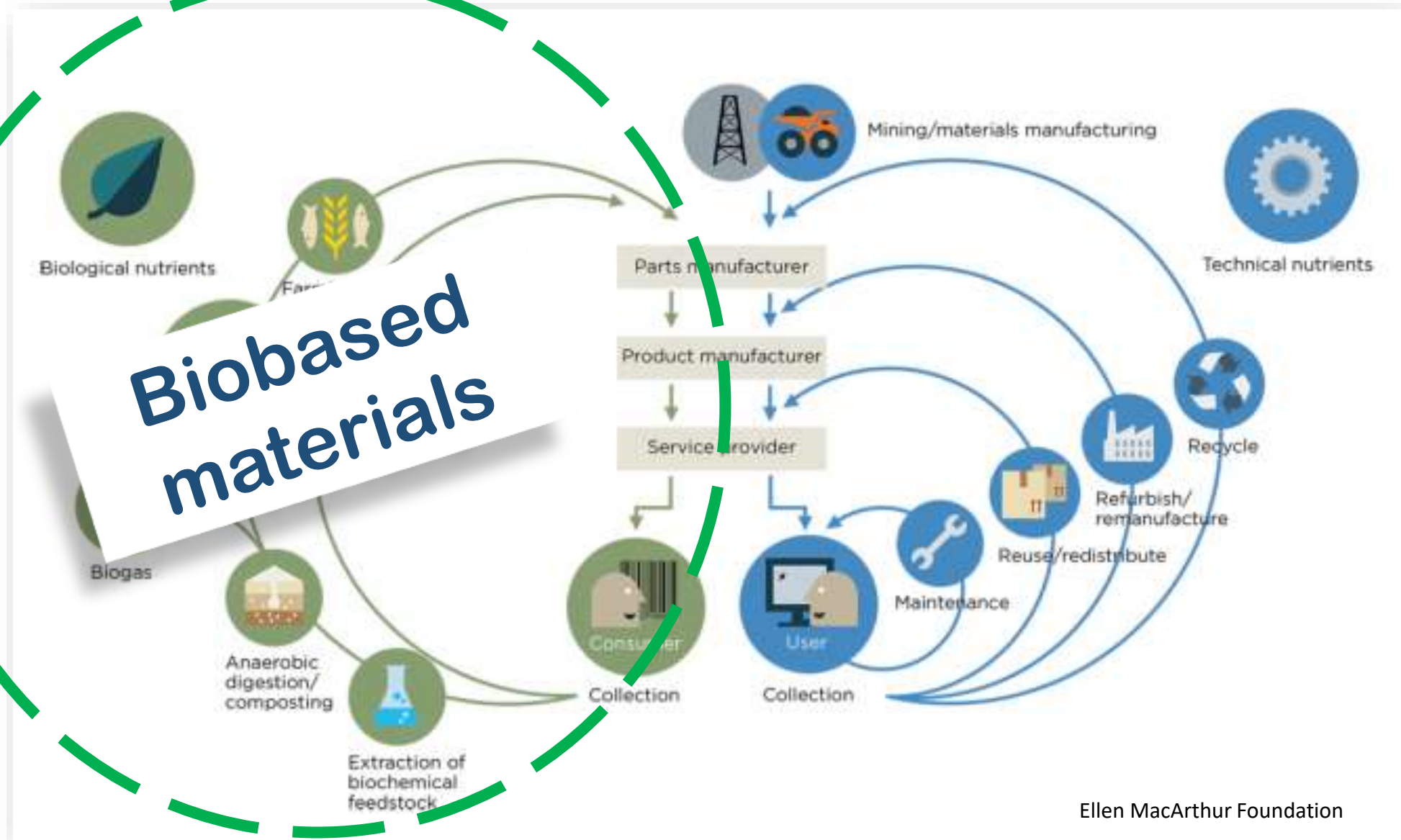
Ellen Riise
Essity



Birgit Brunklaus
RISE, Research
Institutes of
Sweden



The Circular Economy



Introducing

**Today's speakers
and subjects**



Time	Presentation and authors
02.00 pm	Wood products circularity and the biodiversity challenge
	Samuel Vionnet ¹ , Christian Bauer ² , David Cockburn ³ , Bengt Brunberg ⁴ , Martha Stevenson ⁵ ¹ Valuing Nature; ² SIG; ³ Tetra Pak; ⁴ BillerudKorsnäs; ⁵ WWF – US
02.15 pm	Bioeconomy contribution to Circular Economy
	Serenella Sala, European Commission - Joint Research Centre, Italy
02.30 pm	Assessing the availability of bio-based materials in product design
	Vanessa Bach, Markus Berger, Natalia Finogenova, Matthias Finkbeiner, TU Berlin, FG SEE, Germany
02.45 pm	Integrated Market Orientation in Technical R&D Processes - Opportunities and Challenges for environmentally Friendly Bio-Based Resins
	Miriam Lettner ¹ , Daniela Greiner ² , Tobias Stern ³ , Franziska Hesser ¹ , ¹ Wood K plus, Austria; ² University of Natural Resources and Life Sciences Vienna; ³ University of Graz,
03.00 pm	The sustainability of bio-based plastics – quantifying environmental and socio-economic aspects of a computer mouse for a circular economy
	Sebastian Spierling ¹ , Eva Knüpffer ² , Venkateshwaran Venkatachalam ¹ , Marina Mudersbach ¹ , Hannah Behnsen ¹ , Hannes Krieg ² , Stefan Albrecht ² , Hans-Josef Endres ¹ , ¹ Institute for Bioplastics and Biocomposites, University of Applied Sciences and Arts Hannover, Germany; ² Fraunhofer Institute for Building Physics IBP, Department Life Cycle Engineering (GaBi), Germany
03.15 pm	Discussion panel and Q&A



Also
introducing

Bio-based materials within the circular economy:
Opportunities and challenges

Session posters



Poster title	Authors
<p>Bio-based framework in Unilever: Different methods for different business questions</p>	<p>Michal Kulak, Sarah Sim, Carina Mueller, Giles Rigarlsford, Lau Tambjerg, Tirma Garcia-Suarez, Edward Price, Philip McKeown, Henry King Unilever, UK</p>
<p>Resource efficiency of wood-plastic composites: - evaluation of secondary material potentials and end-of-life options</p>	<p>Philippe F. Sommerhuber, Thünen Institute of Wood Research, Hamburg</p>
<p>Estimating the emission mitigation potential of using wood as building construction material: - a case study comparing Germany and Indonesia</p>	<p>Rio Aryapratama, Stefan Paulik, Industrial Ecology Research Group, Faculty of Environment and Natural Resources, University of Freiburg</p>
<p>Supply chain Life Cycle Management: Bio-based PE</p>	<p>Yuki Hamilton Onda Kabe, Luiz Gustavo Ortega Braskem, Brazil</p>
<p>One model for all approaches: Integrated Life Cycle Sustainability Assessment – the early design phase of 2nd generation bio-refinery for downstream production of bio-plastics</p>	<p>Michael Bruns, Mieke Klein, Marten Stock, Andreas Genest ifu, Hamburg</p>
<p>Environmental assessment: Fiberboards made from coconut residues</p>	<p>Maria Cléa Brito Figueirêdo, Embrapa Tropical Agroindustry, Brazil</p>