

## AIM OF THE WORKSHOP

### The Normative Dimension of Transformations towards a Sustainable Bioeconomy

Globally, many political initiatives promote the transformation towards a bioeconomy with the aim of overcoming our dependence on limited fossil resources and to combat climate change. This has long been widely regarded as a purely technical challenge. However, questions of how to meet global demands for food, health, material, and energy must be tackled synchronously with issues of human rights, social inclusion, fitness for future, and the question of "how do we want to live". A transformation towards a bioeconomy raises, for instance, ethical issues of inter- and intra-generational equity. However, in current research and policy making processes, these barriers are often neglected. Another barrier for this transformation can be found in the fact that customer demand for bio-based projects is often lacking, and the notions of the biosphere and the economic sphere in the bioeconomy remain unclear.

Isolated research about the technical feasibility on the one hand and ethical normativity on the other without a profound understanding of the complex socio-economic processes that connect the two realms, will undoubtedly be futile. Consequently, interdisciplinary discussions are needed that bring together philosophers, economists and other social scientists, sustainability researchers, cultural evolutionists, and complexity scientists to advance the debate by leaving behind the ivory towers of isolated disciplines.

Funded by



**DFG** Deutsche  
Forschungsgemeinschaft

Universitätsbund Hohenheim e. V.

Baden-Württemberg  
MINISTRY OF SCIENCE, RESEARCH AND THE ARTS

## VENUE

University of Hohenheim  
Hohenheim Palace  
Balcony Room (1st floor, central building)  
70599 Stuttgart-Hohenheim

Detailed directions can be found here:  
<https://www.uni-hohenheim.de/en/directions>

## CONTACT

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## Organizers



UNIVERSITY OF  
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# THE NORMATIVE DIMENSION OF TRANSFORMATIONS TOWARDS A SUSTAINABLE BIOECONOMY

Workshop

13 - 14 September 2019  
Stuttgart-Hohenheim



# FRIDAY 13 SEPTEMBER

## Opening

- 8:30 **Registration**
- 9:00 **Andreas Pyka & Annette Weidtmann (Hohenheim)**  
Welcome and introduction
- 9:20 **All participants** - facilitated by Cornelius Filipski  
*Breaking Ground*

## Block I: Ethics in the bioeconomy

- 9:40 **John Bryden (Stockholm)**  
The importance of normative issues for innovation in the bioeconomy
- 10:00 **Henry Dicks (Lyon)**  
A biomimetic perspective on the bioeconomy: Does the bioeconomy respect nature's ecological standard?
- 10:50 **Roel Veraart (Wageningen)**  
Enjoying life in a bio-based economy: The relation between the biosphere and the economic sphere
- 11:10 **Vincent Blok (Wageningen)**  
The revolution is life. Philosophical reflections on the transition to the bio-based economy
- 11:30 **All participants** - facilitated by Cornelius Filipski  
*Invest and nourish*
- 12:30 **Lunch**

## Block II: A systems perspective on the sustainable bioeconomy

- 13:30 **Hugo de Vries (Montpellier)**  
Technology meets ecology and economy: different cases on 'bio-economic systems' in Europe
- 13:50 **Andreas Pyka (Hohenheim)**  
Dedicated innovation systems towards a sustainable bioeconomy

- 14:10 **Matthias Müller (Hohenheim)**  
Modelling the agents of a sustainable bioeconomy: potential and limitations
- 14:30 **David Ayrapetyan (Halle/Saale)**  
Embedding sustainability of bioeconomy clusters into a multiscalar framework
- Coffee Break**

## Block III: Society and culture for a sustainable bioeconomy

- 15:10 **Joe Brewer (Eugene, Oregon)**  
Cultural Evolution - A design science for planetary crisis
- 15:30 **Hans Steisslinger (Brixen)**  
Transforming the business using successful stakeholder involvement
- 15:50 **Edurne Iñigo (Wageningen)**  
The emergence of new system actors for transitions to the bio-based economy: the case of the Netherlands
- 16:10 **Piergiuseppe Morone (Rome)**  
Accelerating the transition to a bio-based economy: the role of Standards and Regulation
- Coffee Break**

## Block IV: Ethical aspects of farming for a sustainable bioeconomy

- 16:50 **Lotte Asveld & Zoë Robaey (Delft)**  
Inclusive biobased value chains
- 17:10 **Carmen Priefer & Rolf Meyer (Karlsruhe)**  
Sustainability assessment of farming systems - Challenges and obstacles of an intermediate evaluation level
- 17:30 **Iris Lewandowski (Hohenheim)**  
Renewable but limited? Different perceptions of the availability of biomass
- 17:50 **Andrea Knierim & Wiebke Wellbrock (Hohenheim / Bonn)**  
Norming the farmer or farming to the norm? The role and agency of dairy farmers in the bioeconomy
- 18:10 **All participants** - facilitated by Cornelius Filipski  
*GreenhouseComLab*
- 19:30 **Conference Dinner**  
Bio-Restaurant Lässig | Gerokstraße 12 | 70188 Stuttgart  
[www.restaurant-laessig.de](http://www.restaurant-laessig.de)

# SATURDAY 14 SEPTEMBER

## Block V: Sustainability transitions

- 9:00 **Isabel Almudi (Zaragoza)**  
Competition of ideas and the micro-foundations of sustainability transitions
- 9:20 **Francisco Fatas-Villafranca (Zaragoza)**  
Sustainability and innovation in evolving complex systems
- 9:40 **Sven Wydra (Karlsruhe)**  
Transformation to the bioeconomy – Analysis and scenarios for selected niches
- 10:00 **André Reichel (Stuttgart)**  
Georgescu-Roegen's bioeconomy and its implications for sustainable transformation
- Coffee Break**

## Block VI: Conceptual approaches to a sustainable bioeconomy

- 10:50 **Ralf Lindner (Karlsruhe)**  
Transformation processes towards the bioeconomy: Reflexive innovation systems in response to complexity?
- 11:10 **Siegmar Otto (Hohenheim)**  
Psychological determinants of a sustainable bioeconomy
- 11:30 **Michael Schlaile & Sophie Urmetzer (Hohenheim)**  
Responsible consumption in dedicated bioeconomies
- 11:50 **All participants** - facilitated by Cornelius Filipski  
*Harvesting the seeds*
- 13:00 **Lunch**
- 14:00 **Maria Teresa Borzacchiello (European Commission)**  
Introduction to the European Commission's Knowledge Centre for Bioeconomy
- 14:20 **Vincent Blok (Wageningen)**  
Wrap-up, publication procedures and closure
- 14:45 **End**

