

# VALUE CHAINS IN A SUSTAINABLE BIOECONOMY

*Using the example of Costa Rica and Germany*

Interdisciplinary and international cooperation are needed to find solutions to the major challenges of the 21st century, such as food security, sustainable resource usage or climate change. Therefore, this summer school aims to interdisciplinary train talented young researchers, to raise their awareness for innovative approaches and to create synergies between Germany and Costa Rica for the establishment of a knowledge-based bioeconomy.

For the transformation from an oil-based to a bio-based industry, the conservation of nature and minimal waste of natural resources along global value chains are fundamental requirements. Therefore, the summer school will focus on the various topics along the entire value chain.

**Date: 24.10. – 28.10.2016**  
**Place: Jülich, Germany**

### PLANTS FOR THE BIOECONOMY

- Crops for the future: Requirements on biomass production in a growing bioeconomy
- Management and valorization of crop residues and waste

### SUSTAINABLE SUPPLY CHAIN

- Efficient biomass conversion systems
- Logistics, supply chain & resource management
- Development of a sustainable economy



### Who can participate?

The Summer School addresses mainly PhD-students and advanced Master students and is limited to **20 participants**.

### How to apply?

Please use the [>>application form](#). Participation includes accommodation, lunch/dinner and travel expenses to Jülich.

### Scientific organizers

Prof. Ulrich Schurr, Forschungszentrum Jülich  
 Prof. Víctor Jiménez, University of Costa Rica

**Application Deadline: 01.06.2016**

### Lecturers:

**GERMANY:**  
 Dr. Fabio Fiorani, FZ Jülich  
 Dr. Nicolai Jablonowski, FZ Jülich  
 Prof. Walter Leitner, RWTH Aachen  
 Prof. Ulrich Schurr, FZ Jülich  
 Prof. Grit Walther, RWTH Aachen  
 Prof. Peter Westhoff, HHU Düsseldorf  
 Prof. Michelle Watt, FZ Jülich

**COSTA RICA**  
 Prof. Patricia Esquivel, UCR  
 Prof. Víctor Jiménez, UCR  
 Prof. Jeffrey Orozco, UNA  
 Prof. Olman Quirós Madrigal, UCR  
 Dr. Keilor Rojas, UNA  
 Prof. Olman Segura Bonilla, UNA

**EXTERNAL SPEAKER: Prof. Regina Birner**  
 (German Bioeconomy Council/  
 Universität Hohenheim)

### MORE INFORMATION:

[www.biosc.de/summerschool2016](http://www.biosc.de/summerschool2016)