



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG  
Die Ressourcenuniversität. Seit 1765.



## Programme

### **International Winter School: “Impact Assessment of European Climate Policy”**

03 – 07 February 2020

Freudenstein Castle, Freiberg

#### **Contact information:**

##### **Professur für Allgemeine Volkswirtschaftslehre, insb. Rohstoffökonomik**

TU Bergakademie Freiberg  
Schloßplatz 1, 09599 Freiberg

**Prof. Dr. Dirk Rübberke**

##### **Institut für Energie- und Klimaforschung – Systemforschung und Technologische Entwicklung (IEK-STE)**

Forschungszentrum Jülich GmbH  
Wilhelm-Johnen-Straße, 52428 Jülich

**Dr. Stefan Vögele**

This event is supported by:





**DAY 1: 03.02.2020**

**09.00-09.15 Welcome and Opening of School**

Prof. Dr. Dirk Rübhelke and Dr. Stefan Vögele

**09.15-09.30 Welcome at Technische Universität Bergakademie Freiberg**

Prof. Dr. Klaus-Dieter Barbknecht, Rector of the Technische Universität Bergakademie Freiberg

**09.30-09.45 Address of Welcome at the Faculty of Business Administration**

Prof. Dr. Andreas Horsch, Dean of the Faculty of Business Administration

**Lecture PART A: [Climate Policy and European Opportunities](#)**

**09.45-10.45 The Impact of Climate and Climate Change on Life-Satisfaction**

Prof. Dr. Katrin Rehdanz, Kiel University

**10.45-11.15 Coffee Break**

**11.15-12.15 Distributional Effects of Climate Policies in Europe**

Dr. Florens Flues, OECD Paris

**12.15-13.30 Lunch Break**

**13.30-14.30 Ancillary and Primary Benefits of Low-carbon Policies in Europe**

Prof. Dr. Anil Markandya, BC3 Bilbao and University of Bath

**14.30-15.30 Shaping the Low-Carbon Transition in Energy and Industry**

Prof. Dr. Karl Steininger, University of Graz

**15.30-16.00 Coffee Break**

**16.00-17.00 [Capturing the Benefit Dimensions of Climate Policies in Europe](#)**

Presentation of the PhD/Postdoc Workshop Outline

**17.00-17.30 Synthesis Session**

**17.30 Natural Resources as an Input for Climate Protecting Technologies: Are There Ancillary Costs for Europe?** Contemplations in the TERRA MINERALIA, one of the largest mineral exhibitions in the world

**19.15 Icebreaker Dinner in the terra mineralia**

**DAY 2: 04.02.2020**

**08.45-09.00 Opening Session**

Lecture PART B: [Concepts, Methods and Tools for the Analysis of Benefits](#)

**09.00-10.00 Benefits of Climate Policy: Getting ‘Global’ and ‘Local’ Right in Theory and Policy Practice**

Dr. Inge Kaul, Hertie School of Governance, Berlin

**10.00-11.00 [Opening of Poster Exhibition and Poster Session I](#)**

**11.00-11.30 Coffee Break**

**11.30-12.30 Climate Policy and Contingent Valuation**

Prof. Dr. Michael Ahlheim, University of Hohenheim

**12.30-13.45 Lunch Break**

**13.45-14.45 Multi-Criteria Analysis as a Tool to Capture Benefits**

Dr. Stefan Vögele, Forschungszentrum Jülich

**14.45-15.45 Analysing the Effects of Climate Policy by Means of the Cross-Impact Balance Analysis**

Dr. Wolfgang Weimer-Jehle, University of Stuttgart

**15.45-16.15 Coffee Break**

Lecture PART F: [Capturing the Benefit Dimensions of Climate Policies in Europe](#)  
(1<sup>st</sup> Part)

**16.15-17.15 PhD/Postdoc workshop:**

Introduction and distribution of students to four working groups:

- 1) Challenges for Capturing and Assessing Mitigation-Policy Impacts: What is to Do When Market Prices are Missing?

*In the lecture parts, the students learn about different ways and tools to assess and evaluate impacts. In some cases, market prices cannot be consulted in the valuation as market prices are missing. The students should elaborate on (a combination of) concepts to handle such problems when the objective is to attain well-informed climate-policy decisions in Europe.*

- 2) Strategic Implications of the Divergent Characteristics of the Different Benefit/Impact Categories.

*The degrees of publicness of the divergent adaptation and mitigation benefits vary with implications for international climate policy. At the same time, benefits of one policy action may affect benefits of other actions, e.g. because effects might be. The students should examine the strategic implications of such aspects. They should also investigate how these implications in turn might affect European climate policy.*

- 3) Handling Different Temporal Dimensions and the Evolution and Interdependencies of Effects.

*The students should discuss ways to handle the divergent time scales of different benefit categories. This touches ethical questions about the “right” discount rates, but also divergent degrees of uncertainty regarding the receipt of benefits. Ways to address the temporal questions in European climate policy are to be disclosed.*

- 4) Impact Assessment of Adaptation Measures.

*The success of a mitigation policy in attaining primary intended impacts is rather easy to handle and can be measured by reductions in tons of CO<sub>2</sub> equivalents. A greater challenge in the mitigation context is the capturing of ancillary effects. In contrast, no universally accepted metric for assessment of adaptation effectiveness exists and therefore primary benefits of adaptation measures are hard to compare between different adaptation policies. This poses a serious problem for policymakers having to decide on respective policies. This workshop-group is asked to examine ways out of this dilemma.*

Start of the work in groups with guidance by members of the Faculty.

**17.15-17.30 Synthesis Session**

**18.30 Dinner**



**DAY 3: 05.02.2020**

**08.45-09.00 Opening Session**

**09.00-10.00 Climate Policy Assessments in Computable General Equilibrium Models:  
Intuition, Implementation, Interpretation**

Dr. Frank Pothén, Fraunhofer Center for Economics of Materials, Halle

**10.00-11.15 [Panel Discussion on Ways to better Inform European Policy-makers about the  
Impacts of Climate Policy](#)**

Panel Chair: Prof. Dr. Bruno Schönfelder, TU Bergakademie Freiberg

Discussants:

Prof. Dr. Wolfgang Buchholz, Dr. Claudia Schwirplies, Prof. Dr. Tomasz Zylicz

**11.15-11.45 Coffee Break**

[Lecture PART C: Benefits on an Individual Level: Behavioural Approaches](#)

**11.45-12.45 Meaty Arguments and Fishy Associations: Reasons to Reduce Meat  
Consumption and their Impact on Individual Well-being**

Dr. Claudia Schwirplies, Universität Hamburg

**12.45-14.00 Lunch Break**

**14.00-15.00 [Poster Session II](#)**

**15.00-16.00 Forest Policy and its Various Positive Effects from Individuals' Perspectives**

Prof. Dr. Tomasz Zylicz, University of Warsaw

**16.00-16.30 Coffee Break**

[Lecture PART F: Capturing the Benefits of Climate Policies in Europe  
\(2<sup>nd</sup> Part\)](#)

**16.30-17.30 PhD/Postdoc workshop**

Continued work in groups with guidance by members of the faculty

**17.30-17.45 Synthesis Session**

**18.30 Dinner**



**DAY 4: 06.02.2020**

**08.45-09.00 Opening Session**

**09.00-10.00 Assessment of Climate Policy Cross-Culturally & Cross-Temporarily**

Prof. Dr. Florian G. Kaiser, Otto von Guericke University Magdeburg

Lecture PART D: [Beyond a Quantitative Consideration: Strategic and Ethical Aspects](#)

**10.00-11.00 Benefits of European International Climate Transfers**

Prof. Dr. Dirk Rübhelke, Technische Universität Bergakademie Freiberg

**11.00-11.30 Coffee Break**

**11.30-12.30 Intertemporal Evaluation Criteria for Climate Change Policy: The Basic Ethical Issues**

Prof. Dr. Wolfgang Buchholz, University Regensburg and CESifo

**12.30-13.45 Lunch Break**

Lecture PART E: [Examples of Different Ancillary Benefit Categories](#)

**13.45-14.45 Meeting Carbon Emission Targets: Finding Efficient Policy Measures in the Electricity Market Taking Energy Security into Account**

Frieder Borggrefe, German Aerospace Center (DLR), Stuttgart

**14.45-15.45 Climate Policy: Impacts and Involved Wicked Problems**

Prof. Dr. Sándor Kerekes, Corvinus University of Budapest

**15.45-16.15 Coffee Break**

Lecture PART F: [Capturing the Benefit Dimensions of Climate Policies in Europe \(3<sup>rd</sup> Part\)](#)

**16.15-17.30 PhD/Postdoc workshop**

Continued work in groups with guidance by members of the faculty

**17.30-17.45 Synthesis Session**

**18.30 Dinner**



**DAY 5: 07.02.2020**

**08.45-09.00 Opening Session**

**09.00-09.45** Presentation and Discussion of the Findings of Working Group 1

**09.45-10.30** Presentation and Discussion of the Findings of Working Group 2

**10.30-11.00 Coffee Break**

**11.00-11.45** Presentation and Discussion of the Findings of Working Group 3

**11.45-13.00** Lunch

**13.00-13.45** Presentation and Discussion of the Findings of Working Group 4

**13.45-14.30** Discussion about Ways to Maintain and to Develop the Winter-School Network

**14.30-15.15 Conclusions and Future Developments**