



The 4th International Interdisciplinary Symposium
organized by Eberhard Karls Universität Tübingen, Doshisha University and the
Doshisha EU Campus at Tübingen University

Challenges Toward True Sustainable Development

Monday, September 12 and Tuesday, September 13, 2022
at the University of Tübingen (Alte Aula)

Abstract by Doshisha University:

As awareness of the Sustainable Development Goals (SDGs) adopted by the United Nations in 2015 grows worldwide, so does global sentiment about how to build a sustainable economy. With the return of the U.S. to the United Nations Framework Convention on Climate Change (UNFCCC), interest in the Paris Agreement is growing and the movement toward carbon neutrality is accelerating worldwide. This positive development toward sustainable development is to be welcomed.

On the other hand, although the effects of vaccination against the new coronavirus pandemic are beginning to emerge, the situation remains unpredictable. There is a theory that one of the causes of pandemics is that human economic activities, including agriculture, have become too large and have entered too much into the realm of wildlife. In order to avoid a repeat of pandemics, we need to take this as an opportunity to reconsider the restoration of a better relationship between humans and the natural world. At the same time, economic disparities are widening and becoming more apparent due to the pandemic among others.

Agriculture is one of the big-hitters which increase humanity's Ecological Footprint. Meat consumption, in particular, places huge demand for water and is an important factor of land clearing, especially destruction of forest land, and the loss of wild-life/biodiversity as well as increased possibility of encountering unknown viruses.

12 years have passed since the 10th Conference of the Parties (COP10) to the Convention on Biological Diversity (CBD) was held in Nagoya, Aichi Prefecture in 2010. In October 2021, the first session of the 15th Conference of the Parties to the Convention on Biological Diversity (COP15) was held in Kunming, China. A seminal report, the Economics of Biodiversity: Dasgupta Review, published by the UK Treasury in February 2021 has given a strong impetus toward this move.

This international symposium will share the most advanced academic research results from the natural sciences, humanities, and social sciences in the contexts of Japan, Germany, Asia, and Europe under the theme of "Challenges Toward True Sustainable Development." Please join us in discussing this theme extensively to look at how sciences and universities can contribute to achieving the goals of SDGs.



Sub-themes:

Panel 1 Challenges for Climate Change (SDGs 13, 7, et al.)

Panel 2 Agriculture, Forestry and Nature Conservation: Challenges for Biodiversity Conservation (SDGs 2, 12, 14, 15, et al.)

Panel 3 Reducing Economic Disparity (SDGs 1, 10, et al.)

Panel 1: Challenges for Climate Change

Prof. Dr. Kira Rehfeld

Geosciences and Physics, Geo- and Environmental Sciences, Professor of Climatology and Biosphere, Faculty of Science, University of Tübingen

From understanding climate dynamics to enabling climate action: the SPACY approach

Prof. Dr. Shozo Yamane

Department of Environmental System Engineering, Associate Professor of Atmospheric and Hydrospheric Sciences, Faculty of Science and Engineering, Doshisha University

Climate Change in Kyoto in Recent Years

Prof. Dr. Kei Nishiyama

Assistant Professor, specialized in Political Sociology, Youth Studies, Social Movement Studies, Climate Governance, Deliberative Democracy, Faculty of Policy Studies, Doshisha University

Climate governance from below: An ethnographic story of #FridaysForFuture Kyoto

Prof. Dr. Katja Tielbörger

Institute of Evolution and Ecology (EvE), Professor of Plant Ecology, Faculty of Science, University of Tübingen

The twin crises of climate change and biodiversity loss

Panel 2: Agriculture, Forestry and Nature Conservation: Challenges for Biodiversity Conservation

Prof. Masataka Watanabe

Special Visiting Professor, Science Communication and Evolutionary Biology, President of Japan Association of Science Communication, Faculty of Life and Medical Sciences, Doshisha University

The Blind Spot of Biological Diversity



Prof. Dr. Robert Horres

Professor of Japanese Studies, Faculty of Humanities, University of Tübingen

Forests as a Resource

Prof. Dr. Yumiko Okamoto

Professor of Policy Studies, Faculty of Policy Studies, Doshisha University

A Gendered Analysis of Fairtrade and Organic Standards and Certificates: The Case of the Uganda Organic Coffee Farmers' Association

Panel 3: Reducing Economic Disparity

Prof. Dr. Toru Yamamori (*real time online*)

Professor specialized in Economic Thought, "Basic Income" Movement, Faculty of Economics, Doshisha University

A Forgotten Feminist History of Universal Basic Income and Universal Responsible Production

Prof. Dr. Dr. Jörg Tremmel

Political Science, Extraordinary Professor for Intergenerationally Just Policies and Political Theory, Faculty of Economics and Social Sciences, University of Tübingen

Intergenerational Justice and Poverty

Prof. Dr. Yoshihiko Wada

Professor of Environmental Economics, Faculty of Economics; Director of Doshisha EU Campus Office, Doshisha University

Sustainability Initiatives on Campus at Doshisha University

Symposium Program: Timetable

Monday, 12th September 2022

9:00-9:30

Welcome Speeches and Introduction

Prof. Dr. Peter **Grathwohl**, Vice-President of Research and Innovation, University of Tübingen

Prof. Dr. Shigeyuki **Atarashi**, Vice-President of International Affairs; Executive Dean, Organization for the Promotion of Global Cooperation, Doshisha University



Prof. Dr. Jürgen **Leonhardt**, Dean of the Faculty of Humanities,
University of Tübingen

Prof. Dr. Thomas **Potthast**, Spokesman of the International Center for
Ethics in the Sciences and Humanities (IZEW), Lead of Competence
Center for Sustainable Development (KNE), University of Tübingen –
remote

Prof. Dr. Yoshihiko **Wada**, Faculty of Economics, Director of Doshisha
EU Campus Office, Doshisha University

Panel 1 **Challenges for Climate Change**

Chair: Prof. Dr. Yoshihiko **Wada**

9:30-10:00 Prof. Dr. Kira **Rehfeld**
10:00-10:30 Prof. Dr. Shozo **Yamane**
10:30-11:50 *Discussion and Coffee break*
11:50-12:20 Prof. Dr. Kei **Nishiyama**
12:20-13:30 *Lunch break*

Chair: Prof. Dr. Noriko **Noguchi**

13:30-14:00 Prof. Dr. Katja **Tielbörger**
14:00-14:30 *Discussion*

Panel 2 **Agriculture, Forestry and Nature Conservation :Challenges for
Biodiversity Conservation**

Chair: Prof. Dr. Yumiko **Okamoto**

14:30-15:00 Prof. Masataka **Watanabe**
15:00-15:40 Prof. Dr. Robert **Horres**
15:40-16:30 *Discussion and Coffee break*

17:00-18:00 Lab Visit at Geo- and Environmental Center (Geo- und Umwelt-
forschungszentrum GUZ), University of Tübingen

19:00 Dinner



Tuesday, 13th September 2022

Chair: Dr. Karin **Moser v. Filseck**

9:00-9:20 Dr. Diana **Grundmann**, Presentation of the Competence Center for Sustainable Development (KNE), University of Tübingen

9:20-9:50 Prof. Dr. Yumiko **Okamoto**

9:50-10:40 *Discussion and Coffee break*

Panel 3 **Reducing Economic Disparity**

Chair: Prof. Dr. Robert **Horres**

10:40-11:10 Prof. Dr. Toru **Yamamori** – *remote*

11:10-11:40 Prof. Dr. Dr. Jörg **Tremmel**

11:40-12:10 *Discussion*

12:10-13:30 *Lunch break*

Chair: Prof. Dr. Noriko **Noguchi**

13:30-14:00 Prof. Dr. Yoshihiko **Wada**

14:00-14:30 *Discussion*

Closing Remarks:

Prof. Dr. Noriko **Noguchi** and Prof. Dr. Robert **Horres**

15:00-17:00 Optional visiting and/or meeting program in Tübingen

19:00 Dinner

GUZ: [Geo- and Environmental Center \(GUZ\) | University of Tübingen \(uni-tuebingen.de\)](https://www.uni-tuebingen.de/en/geo-environmental-center)

KNE: [Competence Center for Sustainable Development | University of Tübingen \(uni-tuebingen.de\)](https://www.uni-tuebingen.de/en/competence-center-for-sustainable-development)