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 wildlife/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 Umweltforschungszentrum GUZ), University of Tübingen

19:00  Dinner
Tuesday, 13\textsuperscript{th} September 2022

\textit{Chair}: Dr. Karin Moser v. Filseck

9:00-9:20 \hspace{1em} Dr. Diana Grundmann, Presentation of the Competence Center for Sustainable Development (KNE), University of Tübingen

9:20-9:50 \hspace{1em} Prof. Dr. Yumiko Okamoto

9:50-10:40 \hspace{1em} \textit{Discussion and Coffee break}

\textbf{Panel 3} \hspace{1em} Reducing Economic Disparity

\textit{Chair}: Prof. Dr. Robert Horres

10:40-11:10 \hspace{1em} Prof. Dr. Toru Yamamori – remote

11:10-11:40 \hspace{1em} Prof. Dr. Dr. Jörg Tremmel

11:40-12:10 \hspace{1em} \textit{Discussion}

12:10-13:30 \hspace{1em} \textit{Lunch break}

\textit{Chair}: Prof. Dr. Noriko Noguchi

13:30-14:00 \hspace{1em} Prof. Dr. Yoshihiko Wada

14:00-14:30 \hspace{1em} \textit{Discussion}

\textit{Closing Remarks}:

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

15:00-17:00 \hspace{1em} Optional visiting and/or meeting program in Tübingen

19:00 \hspace{1em} Dinner

\textbf{GUZ}: Geo- and Environmental Center (GUZ) | University of Tübingen (uni-tuebingen.de)

\textbf{KNE}: Competence Center for Sustainable Development | University of Tübingen (uni-tuebingen.de)