

SUSTAINABLE TRANSFORMATION SYSTEMS TO ACHIEVING SDGS AND A RESILIENT SOCIETY

Transformation is fundamental changes in management, policy, technology, institutions and strategies from the current conditions to the latest state. Achieving the Sustainable Development Goals (SDGs) and the Paris agreement on climate change needs urgent attention to strengthen our resilient capacity to transform our societies towards sustainable development. The proposed two-day international conference will bring representatives from universities and international organizations to discuss how sustainable transformation systems can build long-lasting resilience to achieving SDGs and sustainable societies.

The key experts and panellists will focus on the issues and challenges that hinder the achievement of sustainable food, water, and ecosystem transformation systems and provide visions into resilient solutions which can advance the achievement of the 2030 agenda for sustainable development.

This conference aims to progress the sustainable science field and provide a platform for international experts, young researchers and scientists to present and exchange knowledge between them to familiarize sustainable conceptual approaches to transformation systems. This includes food systems, water security, socio-ecological issues, ecosystem management and resilient societies. Each session will prioritize understanding the interlinkages among multiple sectors, stakeholders, practices and solutions relevant to the influence and sustainable transformation in action.

- ◆Socio-ecological transformation for ecosystem management
- ◆Transforming resilience-focused food systems under climate change
- ◆Transitions to water sustainability and resilient societies

**SUSTAINABLE
DEVELOPMENT
GOALS**



富山大学
UNIVERSITY OF TOYAMA



CFES
Center for Far Eastern Studies
University of Toyama

University of Toyama Sustainability Science Conference 2023

2023

1.
20

[FRI]

21

[SAT]

Hybrid -
University of
Toyama Gofuku
campus &
zoom

Day1
zoom link
registration



Day 2
zoom link
registration



Day1 January 20, 2023 (Friday)



Mode : JAPANESE LANGUAGE

Venue : Multi Purpose Hall,
Faculty of Engineering

10:15-10:20

Opening remarks
by Prof. Saito Shigeru
President, University of Toyama

10:20-10:30

Photo Session

10:30-11:10

Special lecture I
by Prof. Kazuhiko Takeuchi
President, Institute for Global
Environmental Strategies (IGES), Japan
<https://www.iges.or.jp/en/about/staff/takeuchi-kazuhiko>

11:10-11:50

Special lecture II
by Prof. Kensuke Fukushi
Academic Programme Advisor, United
Nations University-Institute for the
Advanced Study of Sustainability
(UNU-IAS), Japan
<https://unu.edu/experts/kensuke-fukushi.html>

11:50-12:00

Closing remarks
by Prof. Masayuki Ikeda
Director, Vice-President, University of
Toyama

Day2 January 21, 2023 (Saturday)



Mode : ENGLISH LANGUAGE

Venue : Multi Purpose Hall, Faculty of Science

10:00-10:05

Opening remarks
by Prof. Kensuke Fukushi
UNU-IAS, Japan

10:05-12:05

Theme-I: Transforming resilience-focused food systems

Mr. Alexander Wilhelm Brumm
UNU-IAS, Japan

[Introducing the Food Value Framework (FVF) to empower transdisciplinary research and unite stakeholders in their efforts towards building more sustainable food systems]

Mr. Bahati Ally Magesa
UNU-IAS, Japan

[Adaptation strategies to climate change in semi-arid agricultural communities of Tanzania towards potential contribution to SDG's: No Poverty and Zero Hunger]

Prof. I Made Sudarma
Udayana University, Indonesia
[The Impact of Climate Change on Food Security in Bali]

Dr. A Amarender Reddy
ICAR, India
[Resilience food systems in drylands of India: Technologies and institutions]

13:00-13:15

Keynote remarks
by Dr. Allison Woodruff
Asian Development Bank (ADB),
Philippines

13:15-15:15

Theme-II: Transitions to water sustainability and resilient societies

Prof. Binaya Kumar Mishra
Pokhara University, Nepal

[Haphazard Road construction and its implications on water-environment: a case of Patichaur-Lapsibat road, Nepal]

Mr. Janbern Lope Aquino Barel

UNU-IAS, Japan

[Valuing Water Security from Socio-Economic Perspectives using the SROI Framework]

Ms. Sayani Halder

UNU-IAS, Japan

[Planning and sustainable implementation of decentralised wastewater treatment systems: An Indian Lens]

Dr. Mohamed Kefi

**Water Research and Technologies Center
(CERTE), Tunisia**

[Spatial Analysis Applications for Sustainable Water Resource Management Strategies]

15:30-17:30

Theme-III: Socio-ecological transformation for ecosystem management

Dr. Shamik Chakraborty

Hosei University, Japan

[Use of traditional and local knowledge in a mudflat ecosystem to monitor and assess changes to coastal ecosystems in Japanese context]

Dr. Indrek Melts

Estonia University of Life Science, Estonia

[Combining agriculture and biodiversity conservation for the sustainable society]

Dr. Chethika Gunasiri

**Sri Lanka Development Corporation,
Sri Lanka**

[Urban agriculture-A socio-ecological approach for the long-term urban sustainability in developing countries]

Dr. Gideon Baffoe

University of York, United Kingdom

[The ecological impacts of local livelihood activities: The case of rural Ghana]

17:30-17:40

Concluding remarks

by Prof. Geetha Mohan

University of Toyama, Japan

17:40-17:45

Closing remarks

by Prof. Naoya Wada

University of Toyama, Japan