

3rd ESP Asia Conference

14-17 December 2021 | Nagasaki, Japan

Eco-health and ecosystem services in Asia:
Bottom-up aspects for planetary health

ONLINE

SESSION DESCRIPTION

Session ID: T6

Integration of traditional and modern bioproduction systems for a sustainable and resilient future

Hosts:

	Title	Name	Organisation	E-mail
Host:(1)	Dr.	Osamu Saito	Institute for Global Environmental Strategies (IGES), Japan	o-saito@iges.or.jp
Co-host(s):	Prof.	Juan Pulhin	University of the Philippines Los Baños, Department of Social Forestry and Forest Governance (DSFFG), Philippines	jmpulhin@up.edu.ph
Other organisers	Prof.	Pampang Parikesit	Universitas Padjadjaran Bandung Indonesia, Center for Environment and Sustainability Science (CESS), Indonesia	parikesit@unpad.ac.id

Abstract:

This session will explore scenarios/pathways for a sustainable and resilient future under climate and ecosystem changes by focusing on integration of traditional and modern bioproduction systems such as homegarden, agroforestry, plantation, aquaculture, and urban agriculture in Asia. The project assesses various ecosystem services provided by the bioproduction systems under multiple future scenarios. The hosts of this session launched a new international project “Integration of traditional and modern bioproduction systems for a sustainable and resilient future under climate and ecosystem changes (ITMoB)”, which will assess various ecosystem services provided by the bioproduction systems under multiple future scenarios toward a sustainable and resilient future in Japan, Philippines and Indonesia. This session will share some

initial research findings of the project as well as relevant research presentations beyond the project members.

Goals and objectives of the session:

The goal of this session is to determine which combinations of modern bioproduction systems and traditional bioproduction systems are most likely to lead to a sustainable and resilient future, various ecosystem services will be assessed under multiple future scenarios. These bioproduction systems include homegardens, agroforestry, plantations, aquaculture, and urban agriculture.

Planned output / Deliverables:

- Special feature/issue of the journal (Ecosystem services)
- eBook publication
- Policy brief

Voluntary contributions accepted:

Yes

Related to ESP Working Group/National Network:

TWG 6 - Integrated valuation of ES