

# 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: B3

Session title Ecosystem services from tropical Asian ecosystems: status, change and impacts

#### Hosts:

	Title	Name	Organisation	E-mail
Host:(1)	Associate Professor	Alexandros Gasparatos	Institute for Future Initiatives, University of Tokyo.	gasparatos@ifi.u-tokyo.ac.jp
Co-host(s):	Dr	Yayoi Takeuchi	Biodiversity Division, National Institute for Environmental Studies	takeuchi.yayoi@nies.go.jp

#### Abstract:

Asia contains large extents of tropical ecosystems with very varying characteristics, ranging from mountain ecosystems to coastal and marine ones. These ecosystems contain huge biological diversity that provides a wealth of ecosystem services for a large fraction of the region's population. However, many of these ecosystems experience significant change from various direct and indirect drivers. For example, significant portions of tropical forests face threats from commercial agriculture, logging, and mining. Mountain and marine tropical ecosystems face significant change through accelerated climate change. The degradation of these ecosystems and the loss of their biological diversity can have major ramification for their ability to provide ecosystem services and ultimately for the wellbeing of local communities, as well as regional and global communities. This session will bring together diverse contributions that catalogue the status, impacts, and responses of change in Asian tropical ecosystems. The session will seek to bring together evidence from very diverse tropical landscapes throughout the region.

### **Goals and objectives of the session:**

This session aims to understand the current status, change, and impacts of biodiversity and ecosystem services in the tropical forest, mountain, freshwater, coastal and/or marine landscapes in the Asian region. We also highlight the direct and indirect drivers which cause the change, and its interactions with human society. Potential topics include methodological development to monitor, measure and evaluate biodiversity and ecosystem services.

This session will be organized by 5–10 presentations of 10–15 min, followed by interactive discussions with participants for future directions on these topics.

We welcome proposals from anyone engaged in field survey, ecosystem monitoring, data analyzing, and/or modeling on biodiversity and ecosystem services in Asian tropics.

### **Planned output / Deliverables:**

The expected outcome of this session is a collegial discussion and an exchange of ideas providing a range of perspectives and take-aways for participants. We might also write a collective opinion paper.

### **Voluntary contributions accepted:**

Yes

### **Related to ESP Working Group/National Network:**

BWG 3- Forests & Woodlands