

A satellite view of the Earth, centered on Southeast Asia and the Pacific Ocean. The landmasses are shown in green and brown, while the oceans are a deep blue. The text is overlaid on the image in yellow and white.

The 10th APBON Workshop
6-7 July 2018, Pullman Kuching, Sarawak, Malaysia

The aim of the 10th workshop:
Drafting a new work plan of AP BON

Tetsukazu Yahara, Sheila Vergara and Eun-Shik Kim

CBD COP10 (2010, Aichi)

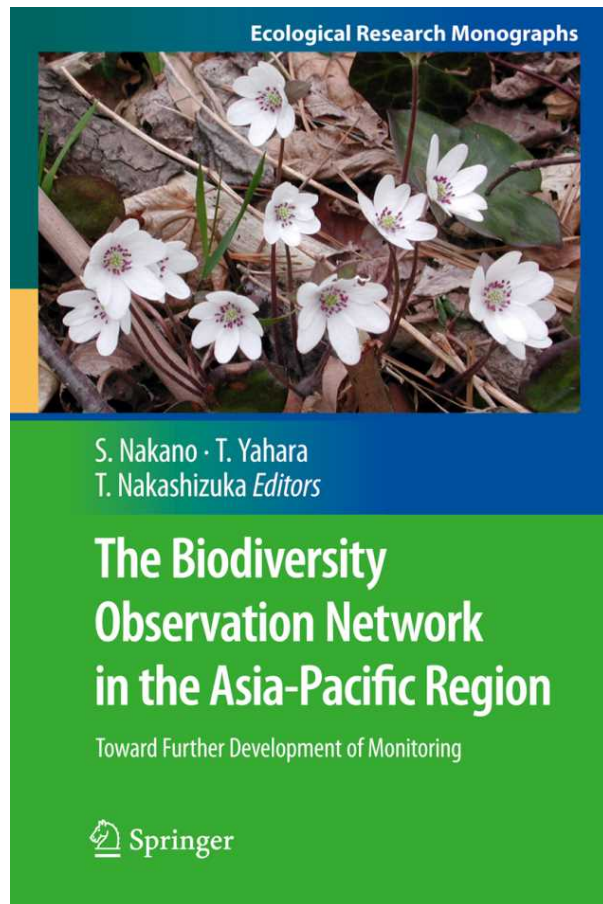


History of AP-BON and Other Network Activities

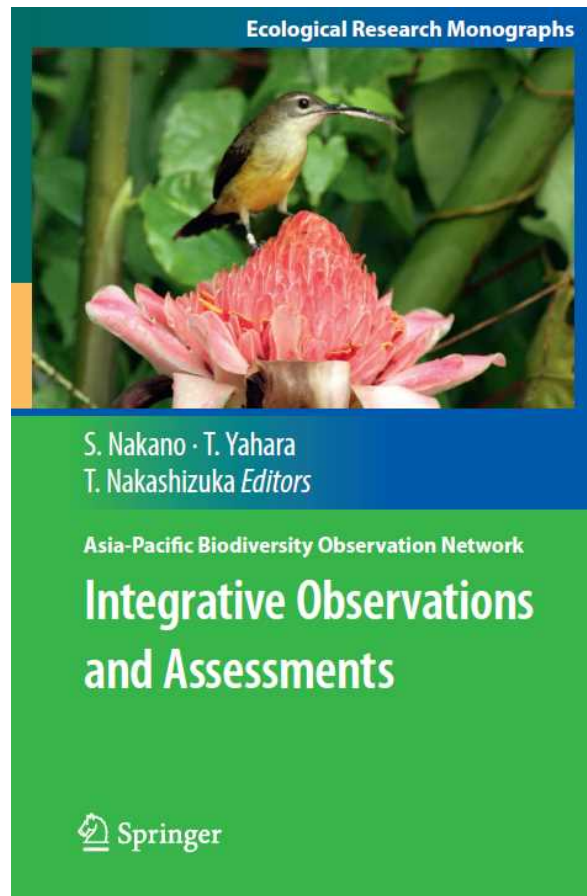
Year	GEOSS AP Symposia	GEO BON	AP BON Meetings	National BONs	CBD COPs	IPBES
2009	3rd GEOSS AP (Kyoto, February)		1st AP BON (July, Japan) 2nd AP BON (December, Japan)	Japan BON (May)		
2010	4th GEOSS AP (a session, Bali, March)	GEO BON Meeting (February, USA)	3rd AP BON (CBD COP10 Preconference, March, Japan)		COP10 (Japan, Side-event)	
2011			4th AP BON (December, Japan)			
2012	5th GEOSS AP (Tokyo, April)	GEO BON Meeting (December, USA)	WCC of IUCN (September, Korea)	Korea BON, Nepal BON, Bangladesh BON	COP11 (India, Side-event)	
2013	6th GEOSS AP (Ahmedabad, February)		5th AP BON (November, ACB, Philippines)	Philippines BON		Plenary-1
2014	7th GEOSS AP (Tokyo, May)	IC and AB (June, Germany)	6th AP BON (October, NIBR Korea)		COP12 (Korea, Side-event)	Plenary-2
2015	8th GEOSS AP (Beijing, September)	IC and AB (June, Germany)		Sino BON, Indonesia BON		Plenary-3
2016	2016-2025 A New GEO Strategy Plan Initiated	All-Hands Meeting (July, Germany)	7th AP BON (ACB, Thailand) 8th AP BON (Taipei, Taiwan)	WCC of IUCN (September, USA)	COP13 (Mexico)	Plenary-4
2017	9th GEOSS AP (Tokyo, January) , 10th GEOSS AP (Hanoi, September)	IC and AB (July, Germany)				Plenary-5
2018	11th GEOSS AP (October, Kyoto)	All-Hands Meeting (July, Beijing)	9th AP BON (Bangkok, February), 10th AP BON (Kuching, July)		COP14 (Egypt)	Plenary-6
2019						Plenary-7
2020					COP15 (China)	Plenary-8

Publications of AP-BON Books

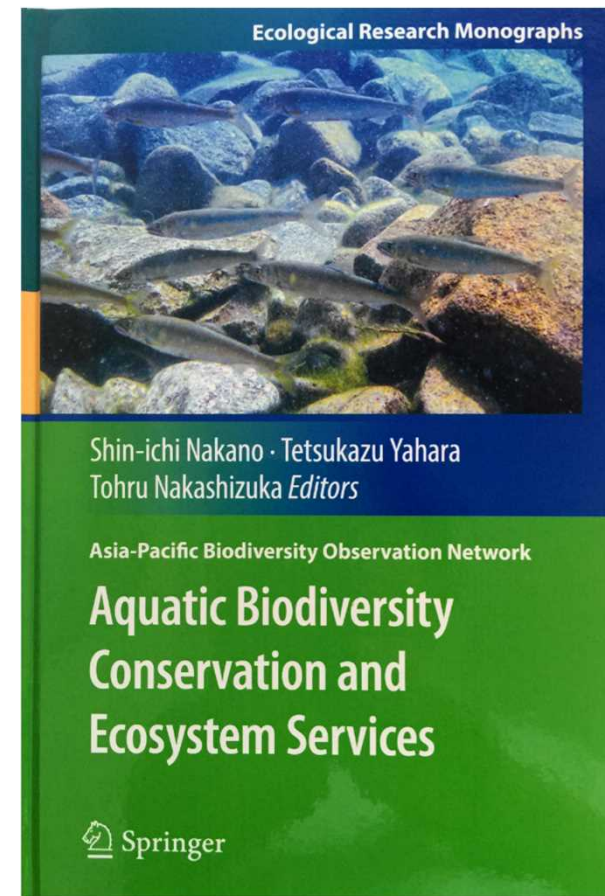
2012



2014

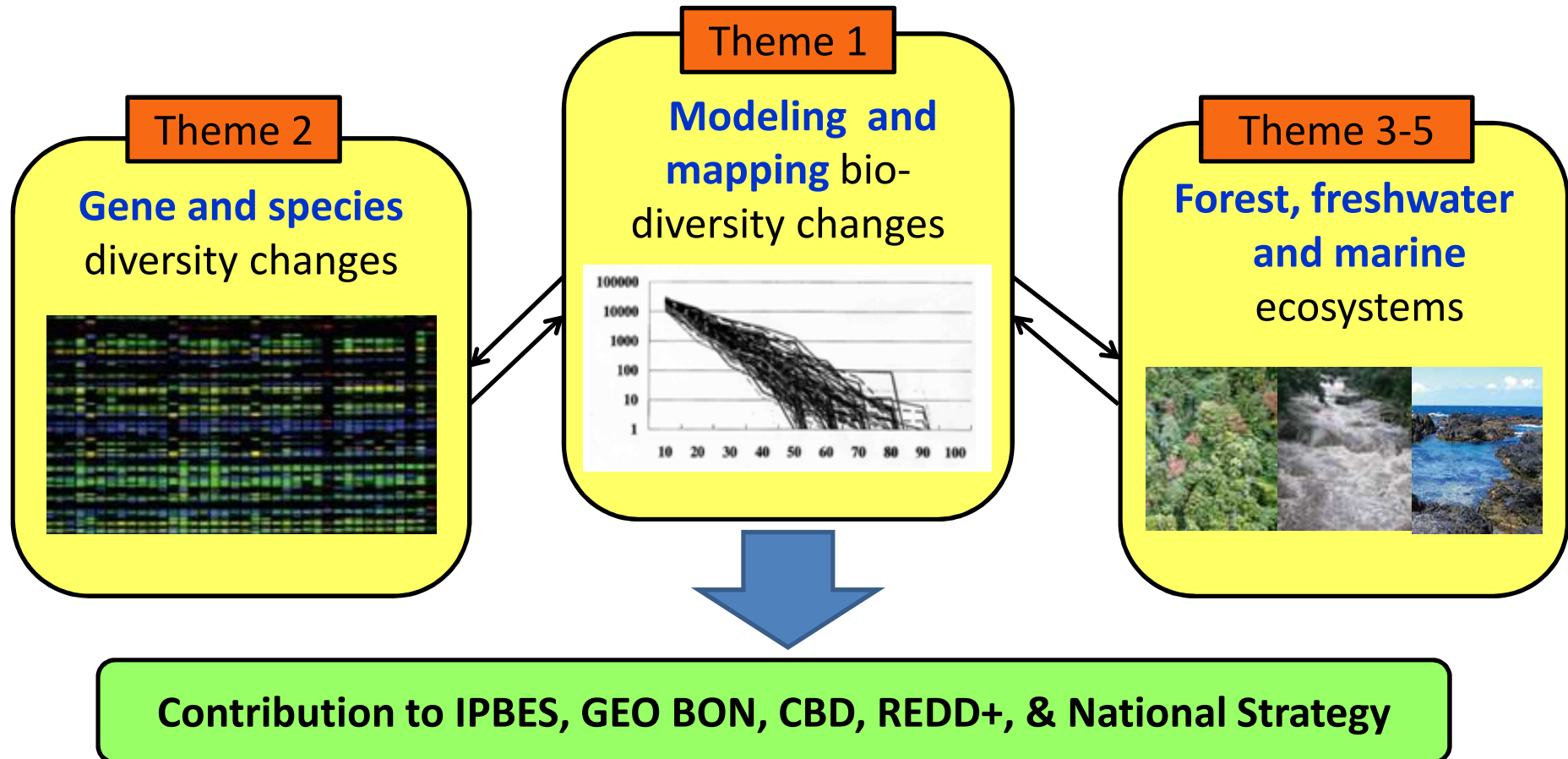


2016



Integrative observations and assessments of Asian biodiversity (sponsored by MoEJ; 2011-2015)

- Developing models & tools to assess biodiversity & ecosystem services in AP
- Developing models and tools to identify hot spots and EBSA in AP
- Research plan and outputs co-designed with MoE (user)



Integrative observations and assessments of Asian biodiversity (sponsored by MoEJ; 2011-2015)

Provided some key findings for IPBES AP regional assessment

Chapter 3. Status, trends and future dynamics of biodiversity and ecosystems underpinning nature's contributions to people

Coordinating Lead Authors:

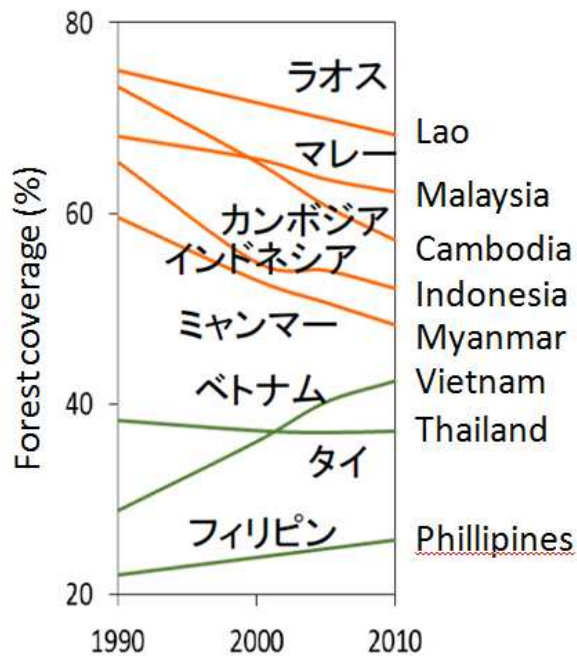
Faridah-Hanum Ibrahim (Malaysia), Gopal S. Rawat (India), Tetsukazu Yahara (Japan)

Lead Authors:

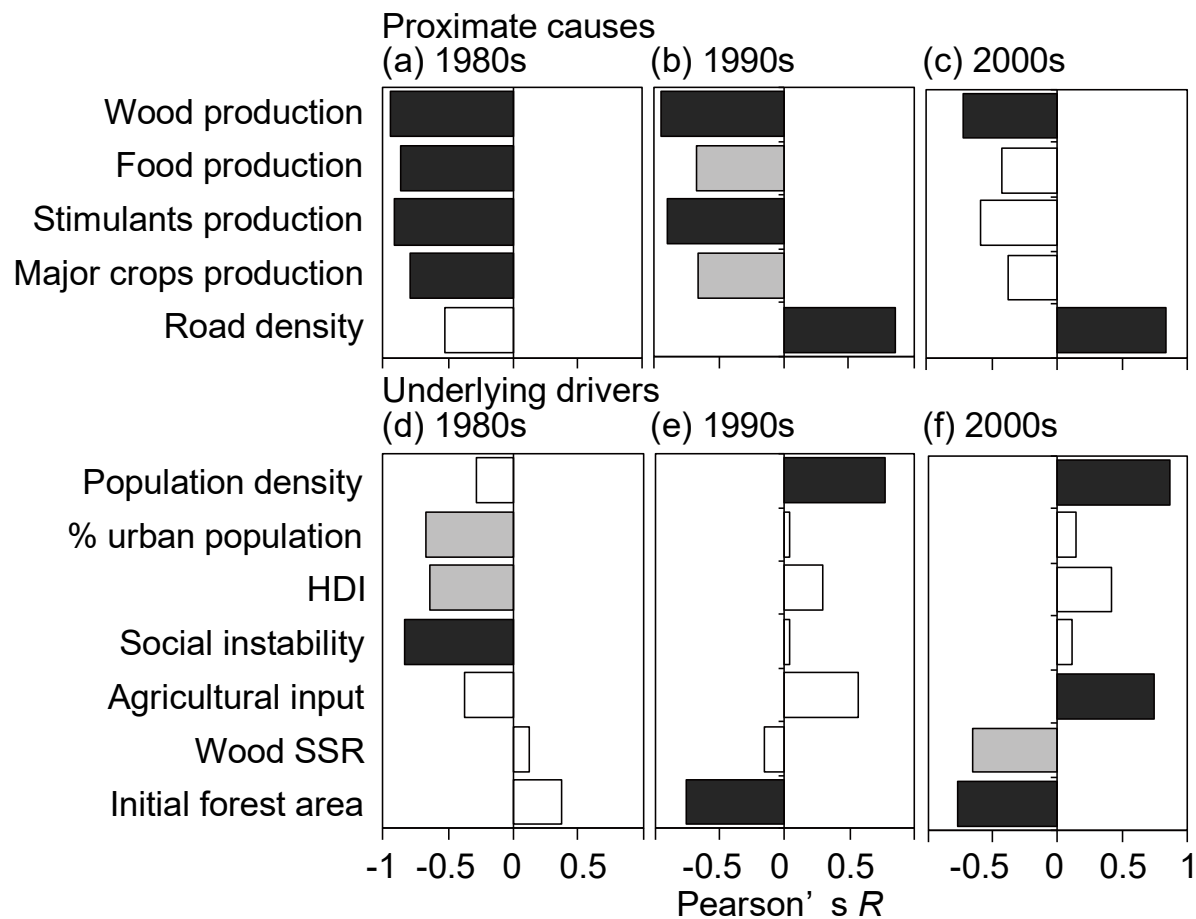
Andrew Sheppard (Australia), Anil Mohapatra (India), Brett Murphy (Australia), Chad L. Hewitt (Australia, USA/New Zealand), Chelladurai Raghunathan (India), Franck Courchamp (France/Switzerland), Gopinathan Maheswaran (India), Hendrik Freitag (Philippines), Jeremy Piggott (New Zealand), B. Mohan Kumar (India), Mounir Abi-Said (Lebanon), Noriko Takamura (Japan), Ranbeer Rawal (India), Richard T. Corlett (United Kingdom/China), Rong Dai (China), San Thwin (Myanmar), Tadashi Miyashita (Japan), Takehisa Yamakita (Japan), Taku Kadoya (Japan), Tanveer Hussain (Pakistan), Tohru Nakashizuka (Japan), Tri Haryoko (Indonesia), Yoshihisa Shirayama (Japan), Yowhan Son (Republic of Korea)

Integrative observations and assessments of Asian biodiversity (sponsored by MoEJ; 2011-2015)

Forest transitions in SE Asia (Imai et al. 2018)

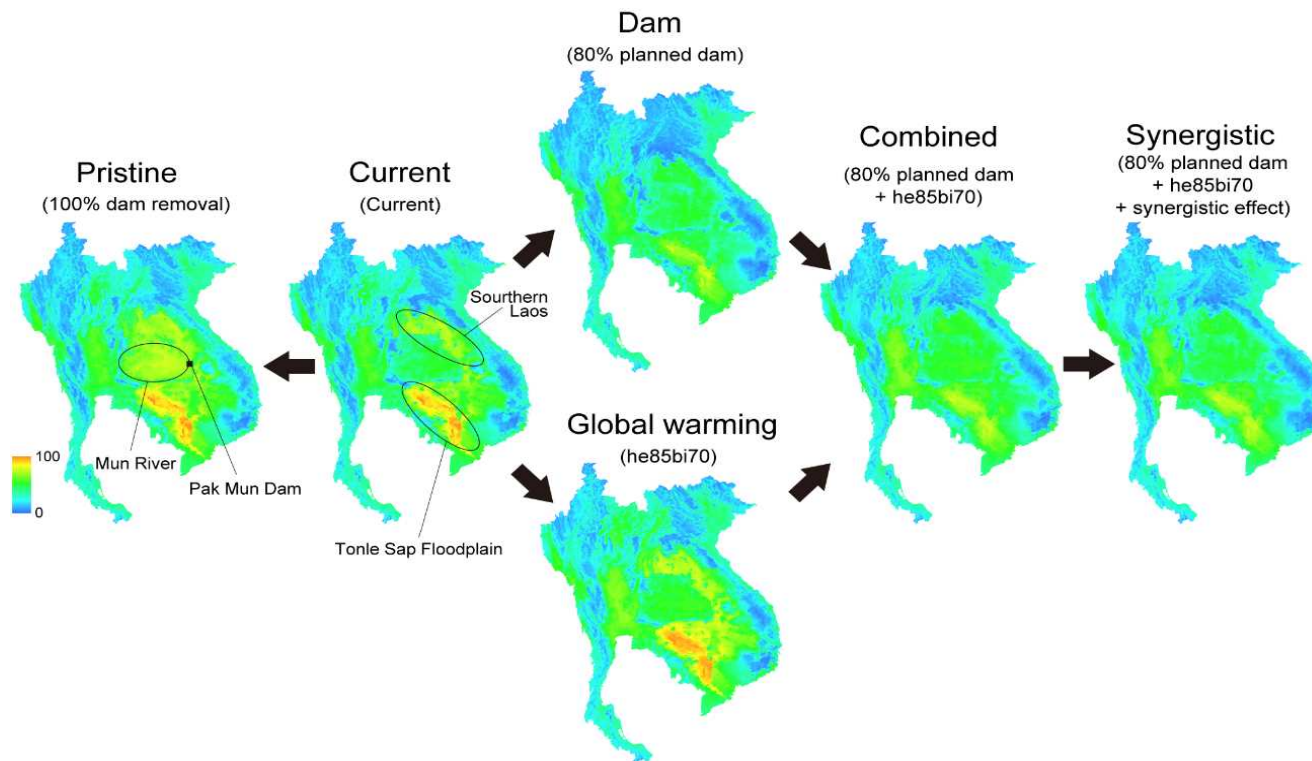


Source: FAO statistics



Integrative observations and assessments of Asian biodiversity (sponsored by MoEJ; 2011-2015)

Threats of dam construction and global warming upon freshwater fish diversity in Mekong Basin (Kano et al. 2016, Plos One)

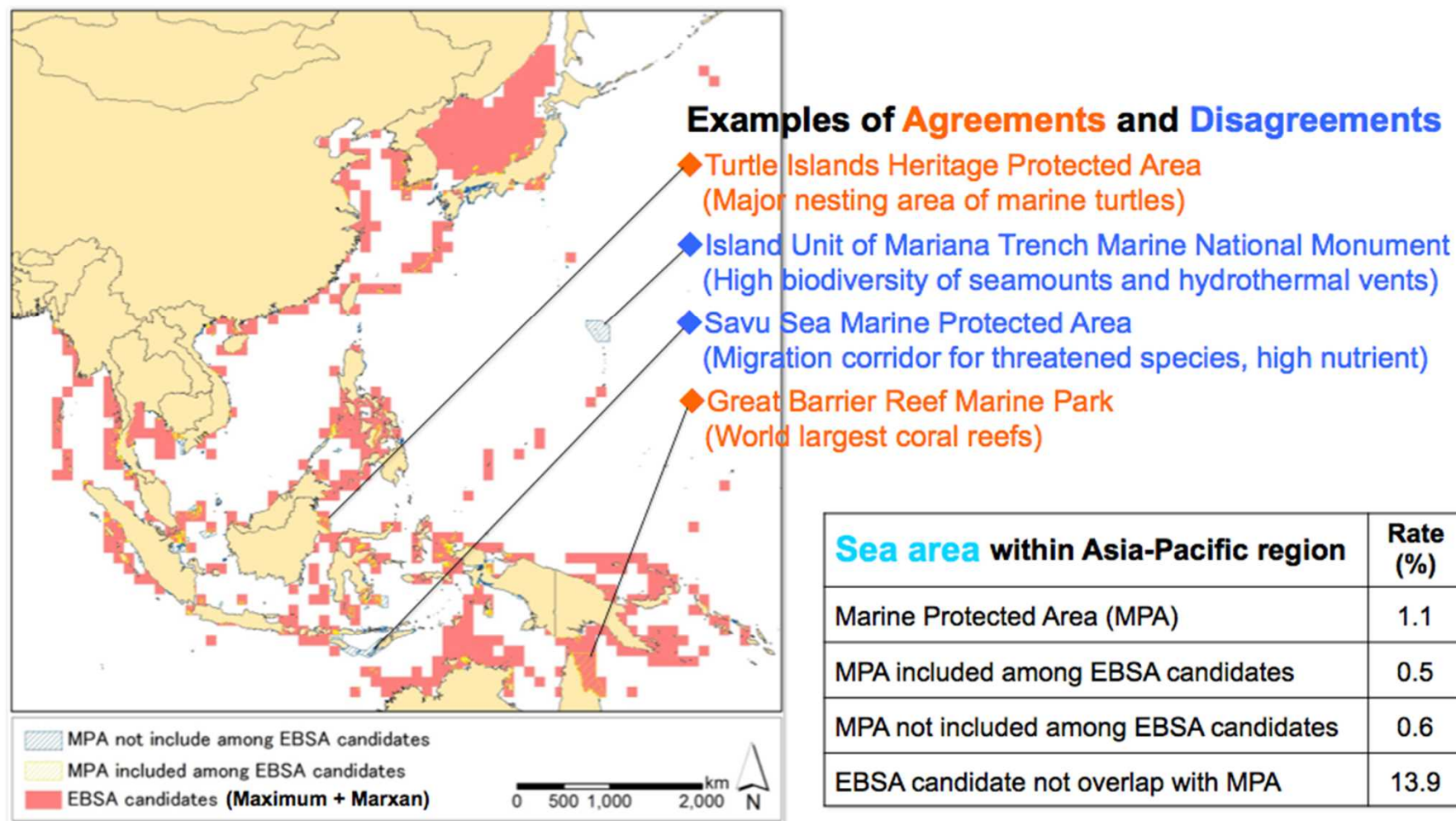


Fish biodiversity index	Pristine	Current	Dam	Global warming	Combined	Synergistic
Mean species richness	39.6	37.3	32.8	41.1	36.1	34.2
Mean range size (km ²)	637,097	613,626	564,744	586,691	546,480	511,394
Threatened species	0.0%	4.7%	16.0%	35.0%	39.7%	40.5%

Comparative study on issues of Marine Protected Area

Yamakita and Sudo et al. EBSAs in East and South East Asia (Marine Policy 2017)

Contribution to marine science and policy making on sustainable use

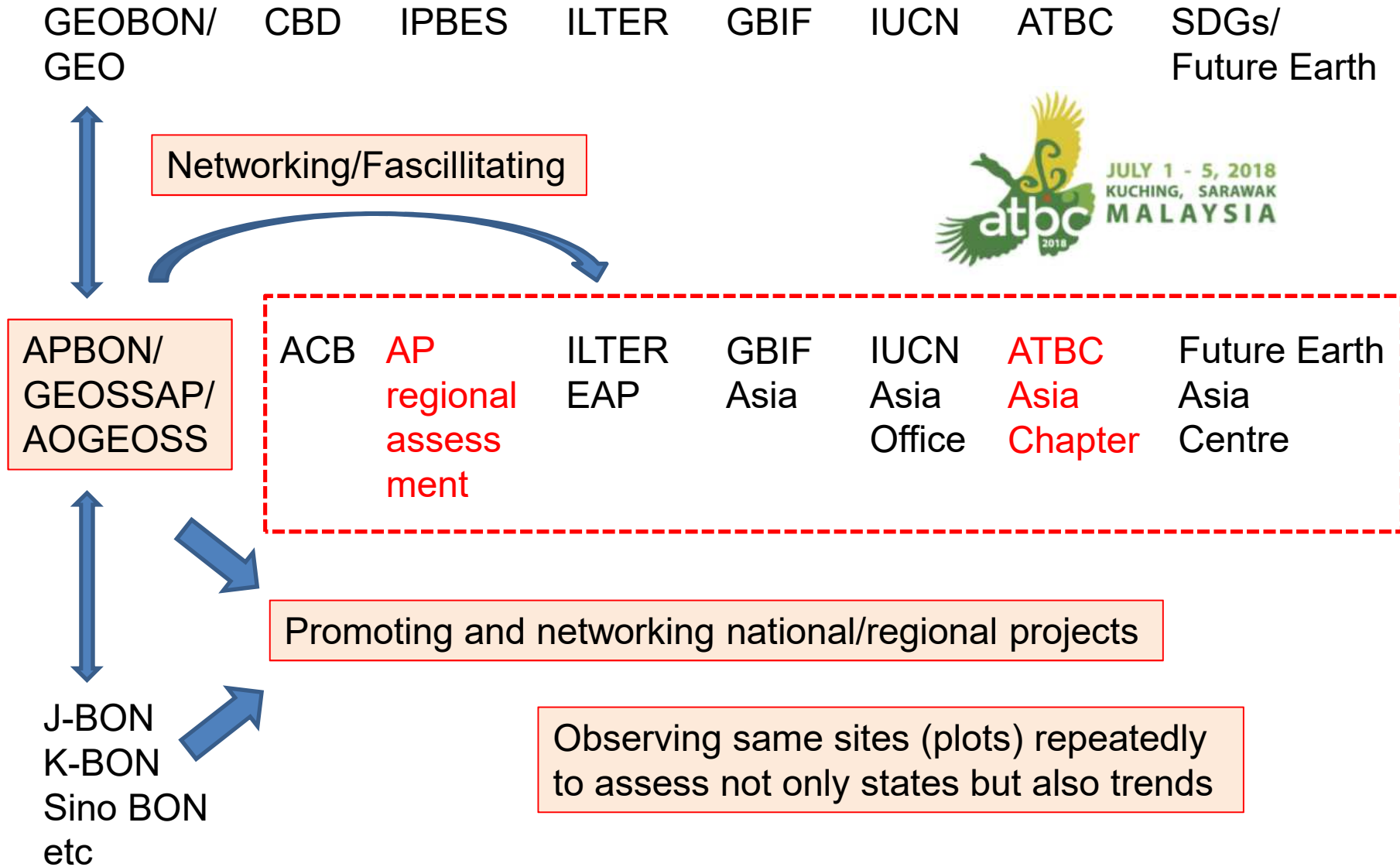


Total area of EBSAs became 14.4% of the study area.
Only 45% of MPAs overlapped with EBSA candidates.

AP BON: A turning point

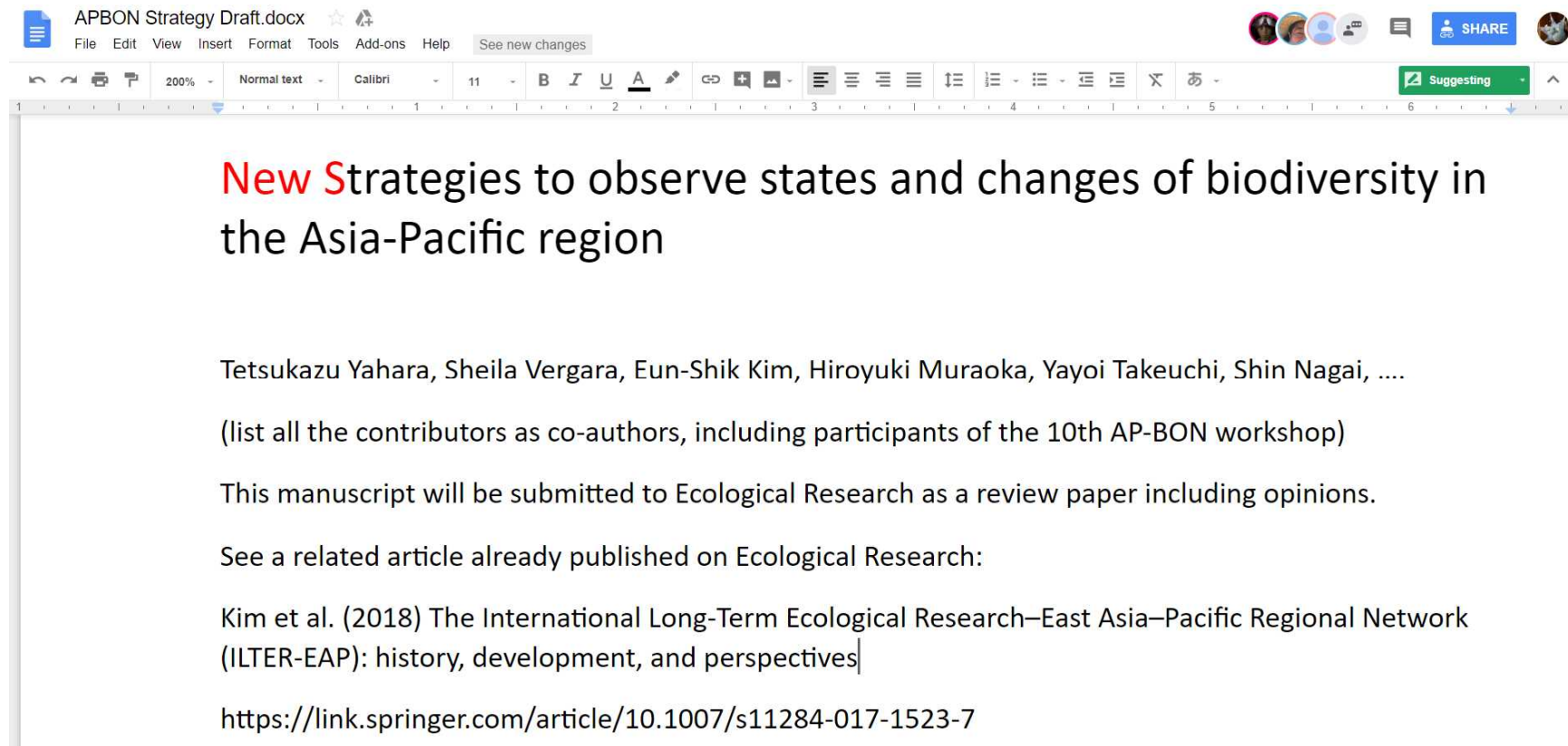
- A core project S9 sponsored by the Ministry of the Environment of Japan (MoEJ) ended in March 2016.
 - We need to organize new integrative project(s)
- IPBES regional assessment of AP was completed.
 - Some major gaps remain > needs of new observations
- CBD COP20 is approaching
 - We need to assess our achievements for Aichi targets and develop new targets
- A New GEO Strategic Plan 2016-2025 implemented.
 - GEO BON new structure 2016-2019.
- **Developing a new AP BON work plan**
 - **Until 11th GEOSS-AP symposium: 24-26 October 2018 at Kyoto**

Current scheme of AP BON



Main mission of the 10th workshop

Drafting a work plan document



APBON Strategy Draft.docx

File Edit View Insert Format Tools Add-ons Help See new changes

Normal text Calibri 11 B I U A

200% Suggesting

New Strategies to observe states and changes of biodiversity in the Asia-Pacific region

Tetsukazu Yahara, Sheila Vergara, Eun-Shik Kim, Hiroyuki Muraoka, Yayoi Takeuchi, Shin Nagai,

(list all the contributors as co-authors, including participants of the 10th AP-BON workshop)

This manuscript will be submitted to Ecological Research as a review paper including opinions.

See a related article already published on Ecological Research:

Kim et al. (2018) The International Long-Term Ecological Research–East Asia–Pacific Regional Network (ILTER-EAP): history, development, and perspectives

<https://link.springer.com/article/10.1007/s11284-017-1523-7>

<https://docs.google.com/document/d/15382jyNtCRnXgJMVI8le1MjYcduMfjcW3KG1KeLr0dU/edit?ts=5b399a27#>

Proposed strategies in the new AP-BON work plan

- **Promote Data Sharing**
 - Increase Access to Data
 - Fill gaps in data availability
- **Monitoring States and Changes in Ecosystems / Biodiversity**
- **Use of evolving technologies**
- **Networking observation sites**
- **Support to Global Platforms**
- **APBON Publication**
- **Visualization of Observation Information for decision making, policy development and donor organizations / development partners**

Morning session

- Plenary talk
 - Perspectives from GEO (Hiroyuki Muraoka)
- Self-introduction of new participants
 - Asian Arowana Status in Sarawak, Borneo (Khairulazman Sulaiman)
- Presentations on some key achievements
 - Sino BON and ABCD net (XU Xuehong)
 - Monitoring site 1000 (MoE, Japan)
 - Spatial planning for protected areas (Yongyut Trisurat)
- Plenary Discussion on the draft

Afternoon session

- Presentations on some key projects (10 min each)
 - Networking forest observations (Tetsukazu Yahara)
 - Trait-based mapping of forest function (Tohru Nakashizuka)
 - Strategies of freshwater observations (Yuichi Kano)
 - Strategies of coastal observations (Take Yamakita)
 - Visualization of indicators (Sheila Vergara)
- Discussion in breakout groups
 - 1 Terrestrial species + Terrestrial ecosystem
 - 2 Freshwater ecosystem
 - 3 Marine ecosystem