

An International Workshop to Develop Key Strategies for
the Establishment and Promotion of the Asia-Pacific
Biodiversity Observation Network (AP-BON) at Local,
National, and Regional Levels

at 2102 Jeju World Conservation Congress (WCC)

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ASIA-PACIFIC BON
UPDATE

GEO: GROUP ON EARTH OBSERVATION




10 year implementation: 2005-2015

TWO INITIATIVES OF MOE JAPAN

ESABII

AP-BON

Targeting Area for East and Southeast Asia Biodiversity Information Initiative



Targeting area: East and Southeast Asia

Biodiversity Centers ★

- Japan: Biodiversity Center of Japan
- Korea: National Institute of Biological Resource (NIBR)
- China: Chinese Academy of Science
- Indonesia: Research Center of Biology (RCB), LIPI
- Vietnam: Center for National Resources Management and Environmental Studies (CRES) VNU.
- ASEAN: ASEAN Center for Biodiversity (ACB)
- S-CBD: Secretariat of Convention on Biological Diversity

Proposed Activities for Developing Global Biodiversity Monitoring System

Targeting East Asia and Pacific Region

- Identification of existing researches on biodiversity
- Distribution of Monitoring sites
- Development of standardized data collection
- Data integration, storage and analysis
- Capacity building for data collection and data analysis
- Provision and dissemination of the information



-Data provision/sharing

GEO-BON GBIF

Collaboration

Contribution

ILTER
NaGISA (CoML)
Other programmes

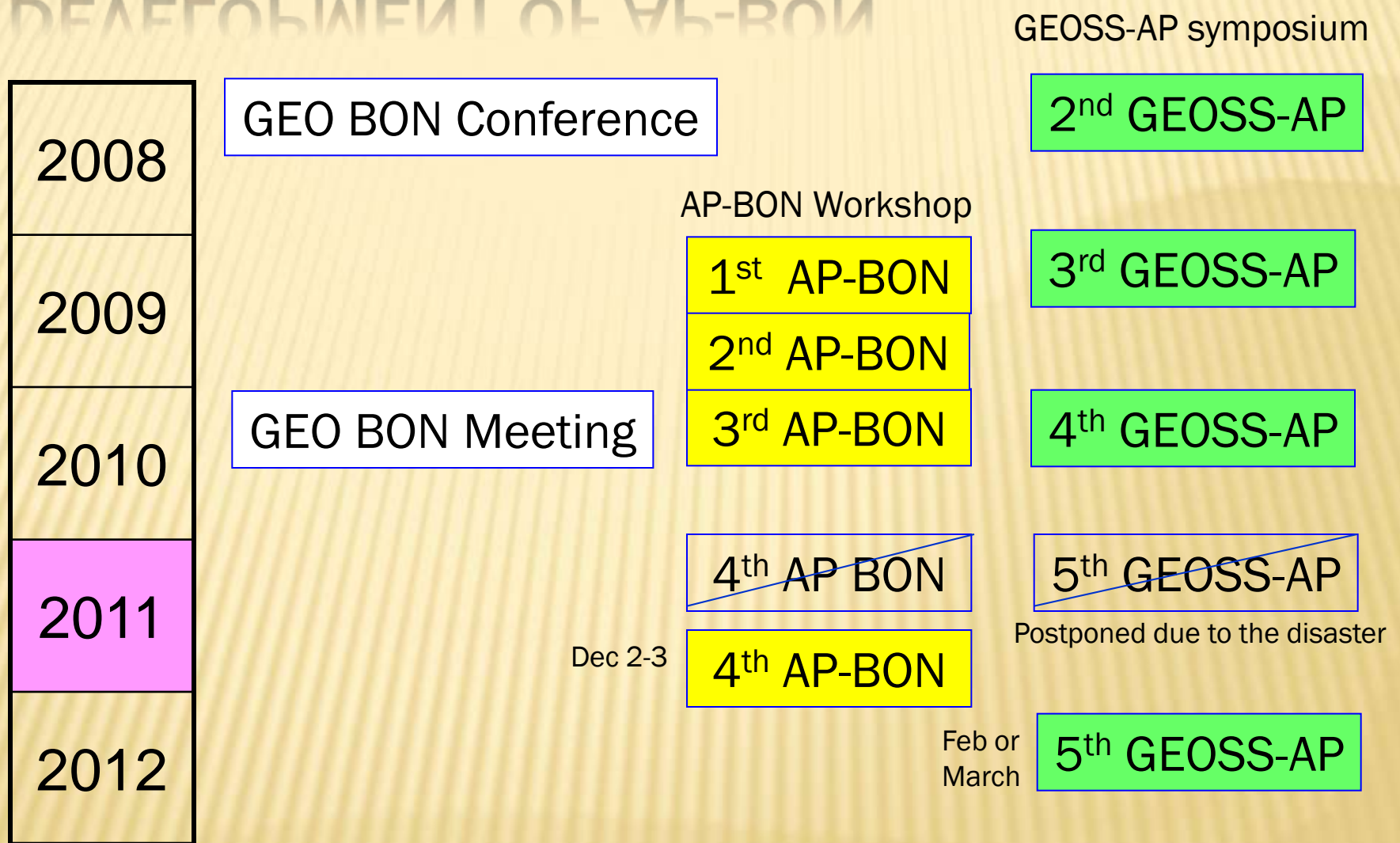
- Data collection and its standardization
- Data integration and analysis
- Capacity building

Decision Making in Biodiversity Conservation

J-BON

Voluntary network of Japanese biodiversity scientists

DEVELOPMENT OF AP-BON



MOE project will start from July 2011 to support AP-BON

AP-BON VISION

- ✘ To establish a Coordinated Asian Network that gathers and shares information on biodiversity and ecosystem services
- ✘ To provide tools for data collection, sharing/exchange, analysis, and synthesis/integration, and
- ✘ To contribute to improving ecosystem management, sustainable use of biodiversity and human well-being

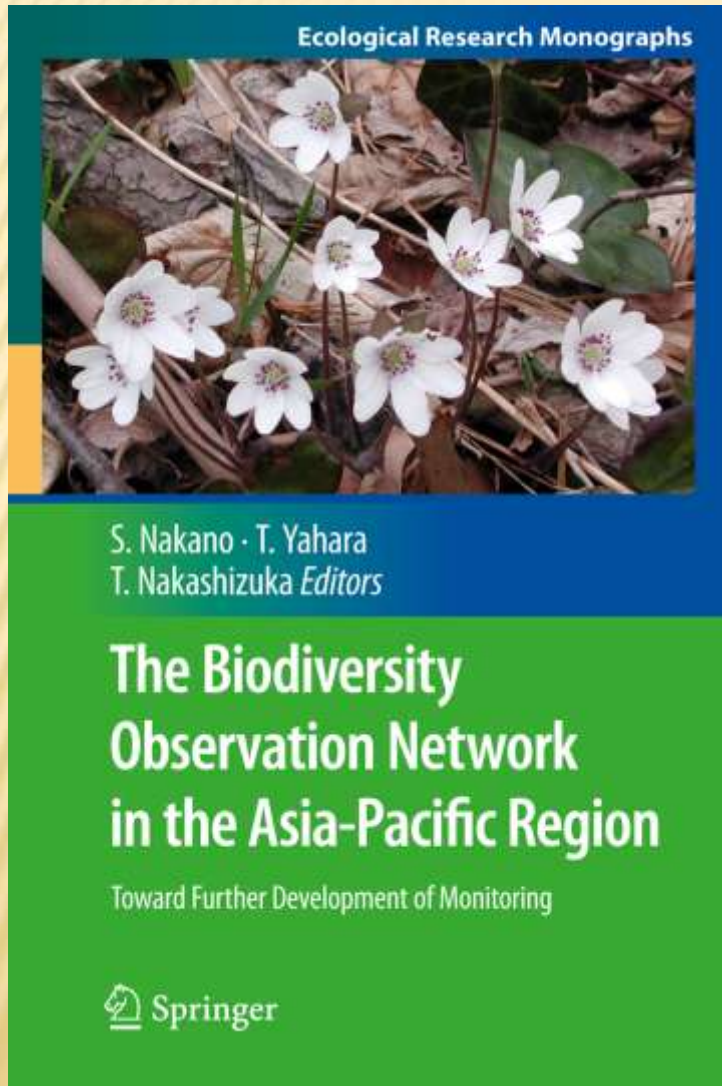
AP-BON MISSIONS

- × Observing and analyzing changes in biodiversity over time.
- × Improving delivery of biodiversity information and services to users, particularly decision-makers.
- × Facilitating linkages among many countries, organizations and individuals contributing to biodiversity observations.
- × Identifying gaps between existing biodiversity observation systems and promoting mechanisms/projects to fill them.

ASIA-PACIFIC BON: STATUS

- ✘ A network is established,
 - + A regional network corresponding to GEO BON
 - ✘ and for capacity building activities.
 - + Covering most countries of the Asia-Pacific region.
 - + Covering all levels and all ecosystems.
- ✘ Organization:
 - + Co-chairs: T Yahara [& R Fuentes (ACB)]
 - + Secretariat: Biodiversity Center, MoE, Japan
 - + Steering committee: Ma (China), Kim (Korea), Nakashizuka (J), Shirayama (J), Nakano (J)
- ✘ Website; Available, although preliminary.
- ✘ Mailing list; Launched with ca. 100 members.

FIRST PUBLICATION OF AP-BON



- ✘ Part 1: General Introduction
- ✘ Part 2: Networks for Monitoring and Research on Biodiversity in the Asia-Pacific Region
- ✘ Part 3: Establishing a Biodiversity Database
- ✘ Part 4: New Methods and Analyses for Biodiversity Studies
- ✘ Part 5: Biodiversity and Ecosystem Services
- ✘ 31 chapters, 480 pages

MoE-J PROJECT 2011-2015: THEMES

Goals

- Developing models and tools to observe/assess biodiversity changes in Asia
- Developing models and tools to observe/assess loss of ecosystem services in Asia
- Developing models and tools to identify hot spots and EBSA in Asia

Scheme

【Team 2】
Gene and species
diversity changes

【Team 1】
Modeling
biodiversity changes
and contribution to
policy

【Teams 3–5】
Biodiversity
changes in forest,
freshwater and
marine
ecosystems

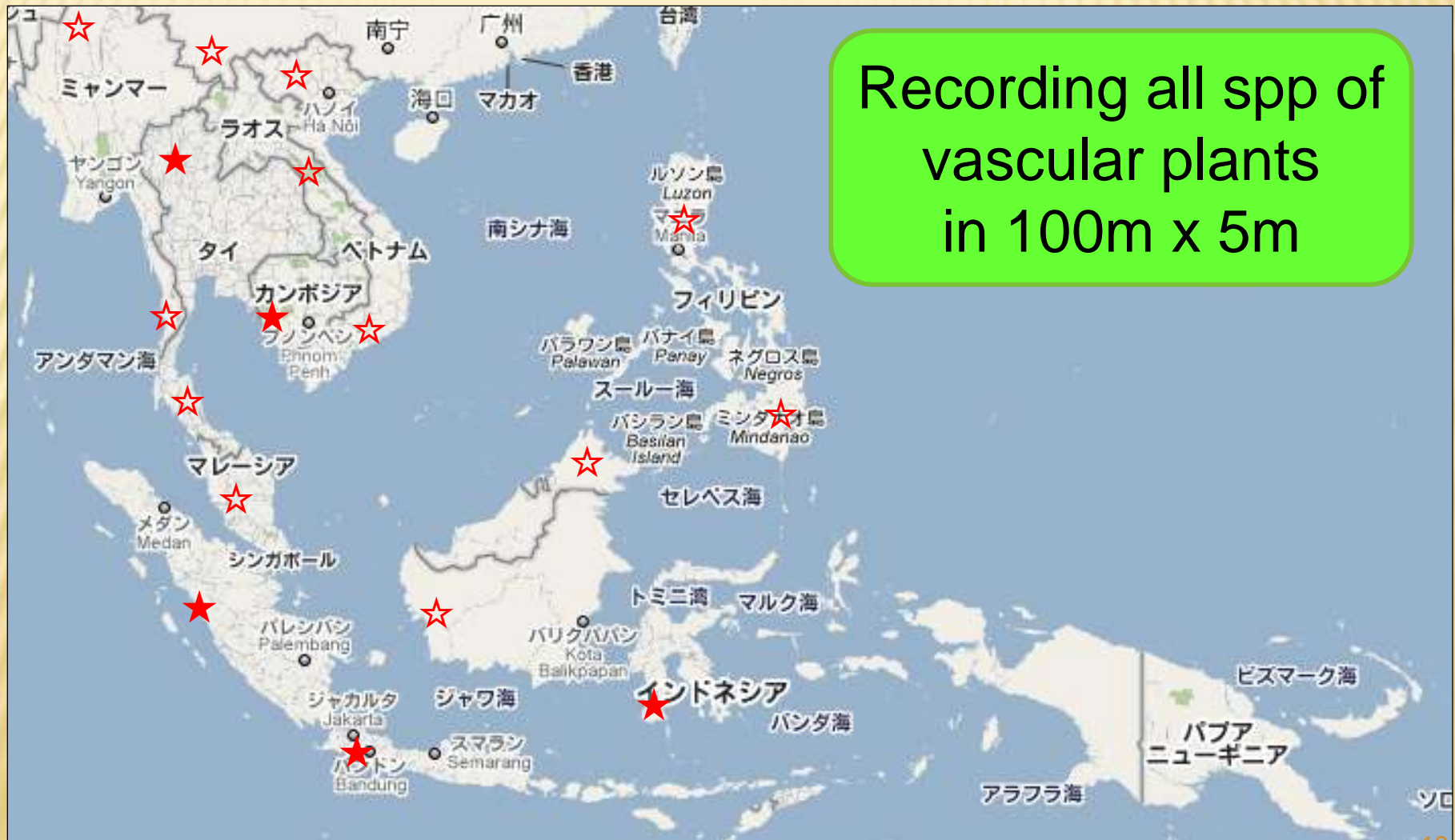
99 biodiversity scientists

As a core project of AP BON

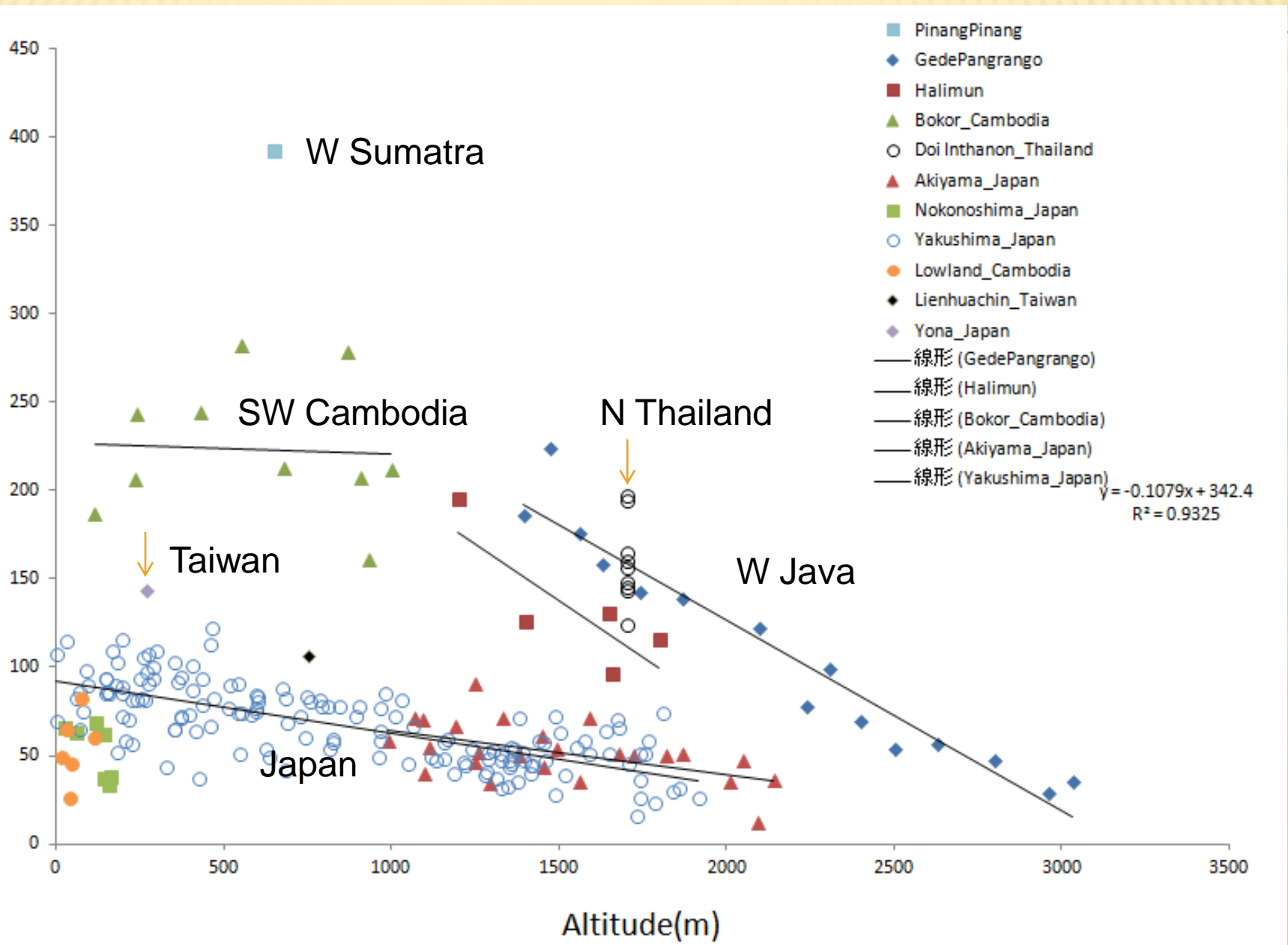
Contribution to IPBES, GEO BON, CBD, REDD+, & National Strategy

PLANT DIVERSITY ASSESSMENTS IN SE ASIA

Aiming at editing AP Red List of vascular plants



SPECIES RICHNESS VS ALTITUDE



Scientific name: Lauraceae *Neolitsea chui* Merr.

Local name: Kantuy Love

Specimen No.: 1442

1st record of Transect 1



Scientific name: Elaeocarpaceae *Elaeocarpus*

Local name:

Specimen No.: 1761 [=1484, 2484]

#

BKFには該当する種はなし



Pictured guide as an output of Plant Diversity Assessment

Scientific name: Myrtaceae *Syzygium* aff. *claviflorum* (Roxb.) A.M. Cowan

Local name:

Specimen No. 1756

collected near waterfall

Scientific name: Davalliaceae *Davallia*

Local name:

No.: 3344

#

Last record of Transect 8



MEETINGS IN 2012 (-2013)

- ✘ COP11 side event: Oct 15 in Hyderabad, India
- ✘ Freshwater biodiversity
 - + Nov 26-28 in the new campus, Kyushu University
- ✘ Coastal biodiversity
 - + Nov 30 – Dec 3 in Amakusa Marine Biology Station
- ✘ GEO BON all-hands meeting
 - + Dec 3-6 in Asilomar, California, USA
- ✘ 6th GEOSS AP symposium
 - + February 25-27, 2013 in Hyderabad, India

IMPLEMENTATION (-2015)

- ✘ Editing and networking national biodiversity outlook
- ✘ Publication of additional AP-BON books
- ✘ Promotion of collaborative projects using S9 as a leverage
- ✘ Development of shared database
- ✘ Capacity building