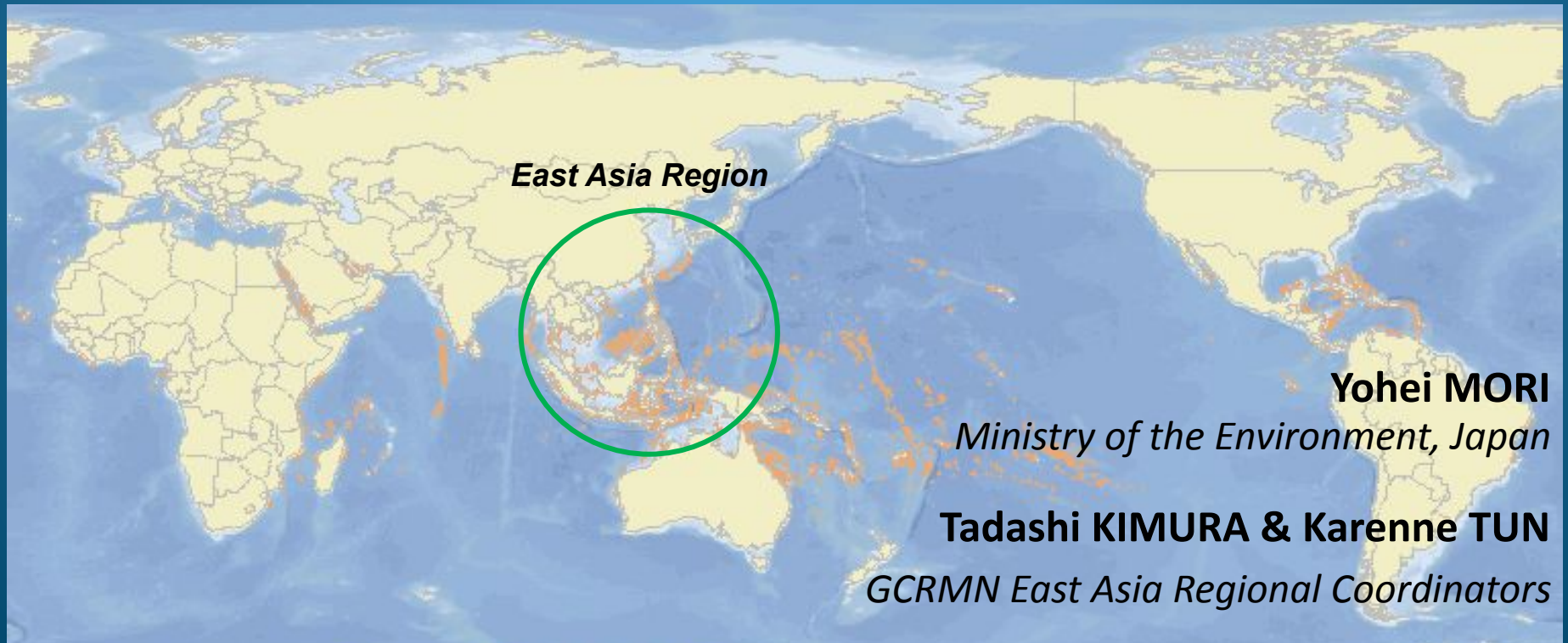


36th International Coral Reef Initiative (ICRI) General Meeting
13th & 15th December 2021, 16:00 PM (EST)

Day 1

Session: The Global Coral Reef Monitoring Network

Status and Trend of East Asian Coral Reefs



East Asia Region

Yohei MORI

Ministry of the Environment, Japan

Tadashi KIMURA & Karenne TUN

GCRMN East Asia Regional Coordinators

Activities of GCRMN East Asia supported by Japan



Activities of GCRMN East Asia supported by Japan

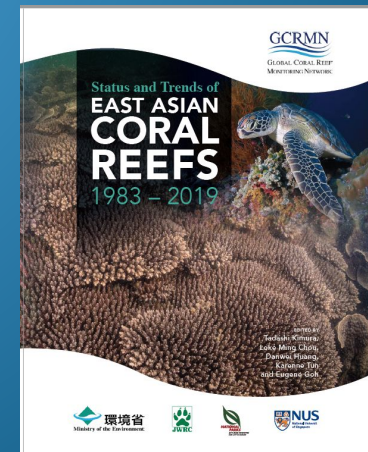
1. Regional workshop
2. Regional report
3. Individual capacity building
4. Regional collaboration

Activities of GCRMN East Asia supported by Japan

1. Regional workshop
2. Regional report 2020:

“Status and Trend of East Asian Coral Reefs”

3. Individual capacity building
4. Regional collaboration

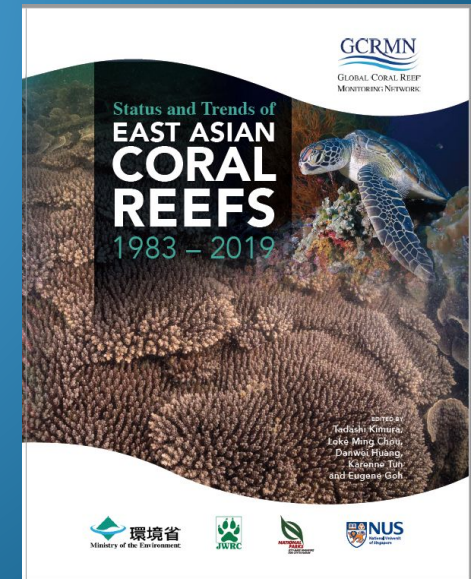


“Status and trend of East Asian Coral Reefs”

Summary

- dataset: 24,365 transects
- time scale: 1983-2019
- collaborators: >100 individuals

& organizations

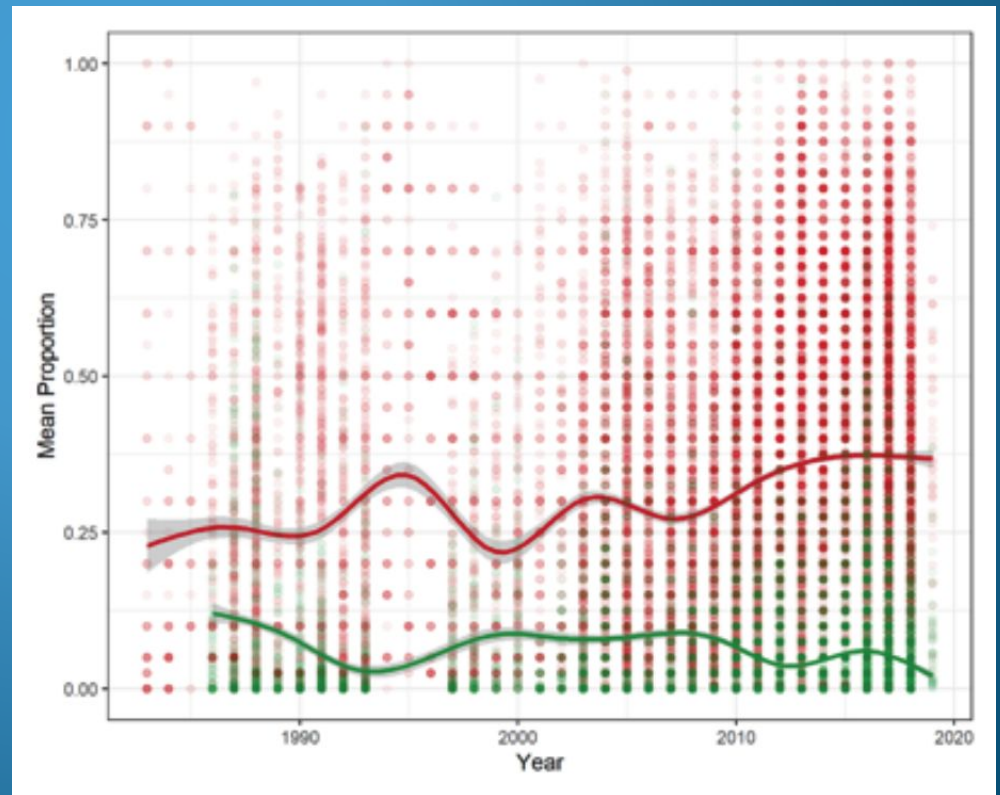


“Status and trend of East Asian Coral Reefs”

Summary

“a lack of clear decline in coral cover from the late 1980s to present day”

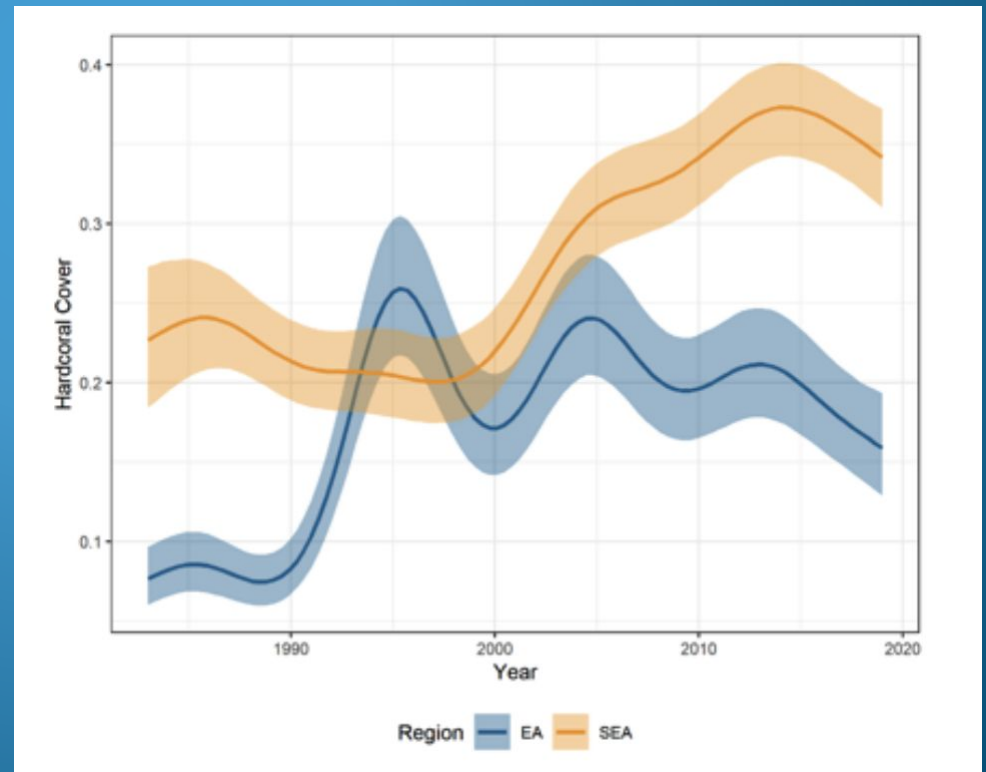
This could be attributed to an already shifted baseline, the averaging of trends across different reef scales, mitigation by the diversity of reefs in the region, or more likely an interplay among all the above factors.



“Status and trend of East Asian Coral Reefs”

Summary

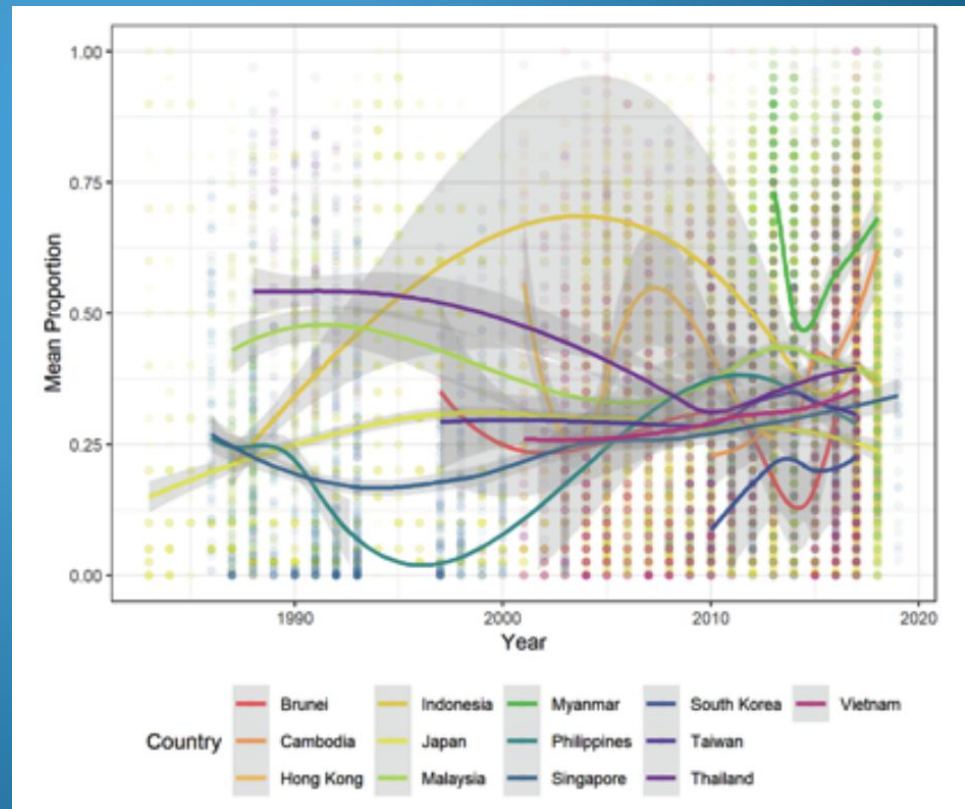
“coral bleaching was recorded in all Southeast Asian countries, mostly coinciding with the El Niño-associated global coral bleaching events (GCBE) in 1998, 2010 and 2016, whereas bleaching was more localized and less severe in Northeast Asian sites”



“Status and trend of East Asian Coral Reefs”

Summary

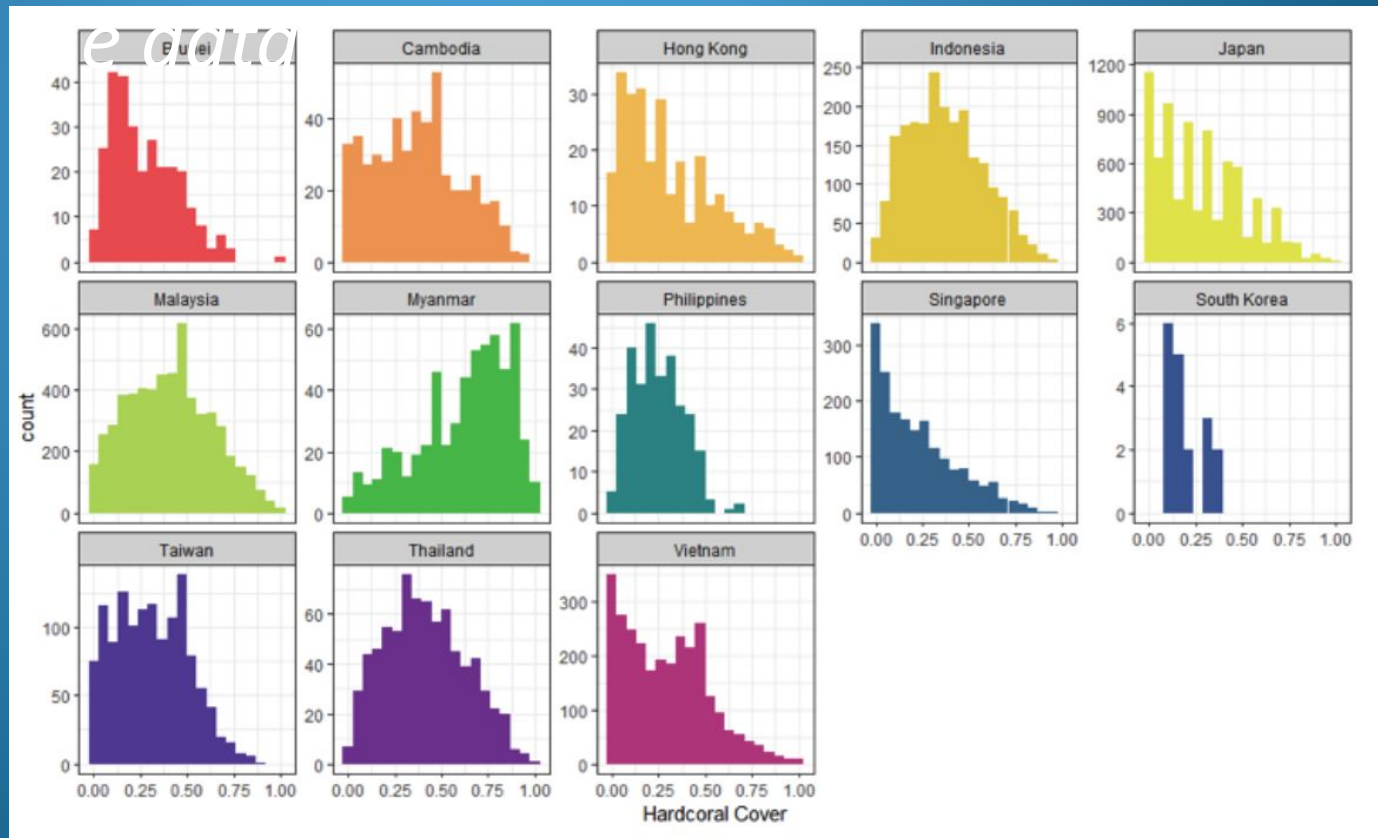
“there were considerable country-level variations, with countries differing in means and spread of the data”



“Status and trend of East Asian Coral Reefs”

Summary

“there were considerable country-level variations, with countries differing in means and spread of *e. coli*”



“Status and trend of East Asian Coral Reefs”

Recommendation

- ◆ *regional database and link other data sources*
 - *long term storage, civil scientists*
- ◆ *enhance long term monitoring*
 - *demonstration sites*
- ◆ *improvement of monitoring*
 - *remote sensing, socio-economic data*

- *Needs for reef conservation/management!*

“Status and trend of East Asian Coral Reefs”

Beyond the report

- ◆ *delivery of national recommendation*
- ◆ *enhancement of long term monitoring*
- ◆ *towards 2030*

“Status and trend of East Asian Coral Reefs”

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(regional workshop @21 Dec. 2021)
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 - *capacity building*
 - *demonstration sites*
- ◆ *towards 2030*
 - *JICA project in Mauritius: coral restoration*
 - *JICA project in Palau: coastal management*
 - *the next regional assessment in 2030*