

Current Status and Challenges for Monitoring Marine Debris in ASEAN

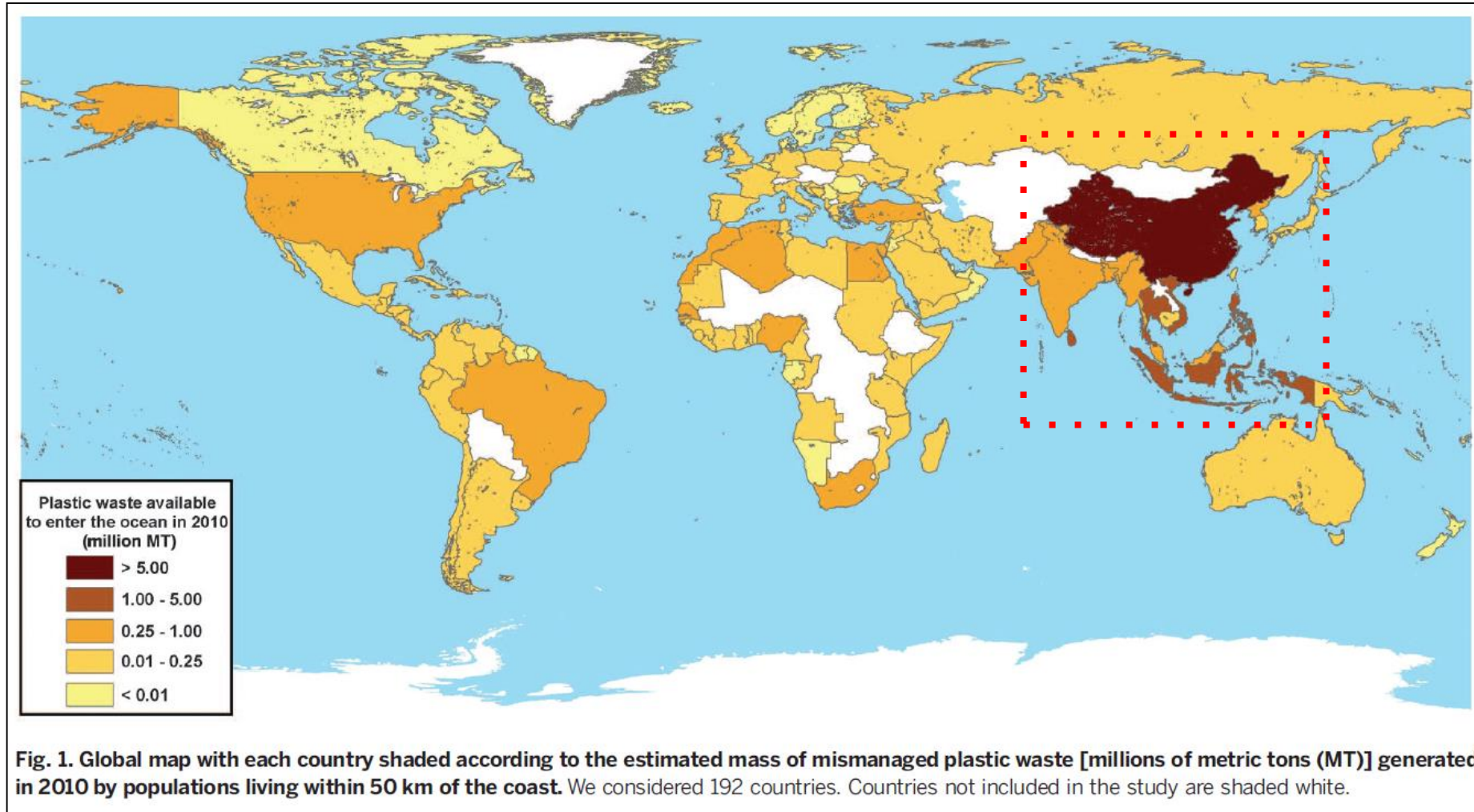


Online Workshop on Strengthening Capacity for Marine Debris Reduction and Waste Management in ASEAN Region through Knowledge Sharing on Marine Litter

24-25 February 2021

Where is all the plastic?

Plastic waste input from land to ocean: Asia_hot spot



Plastic research in study region

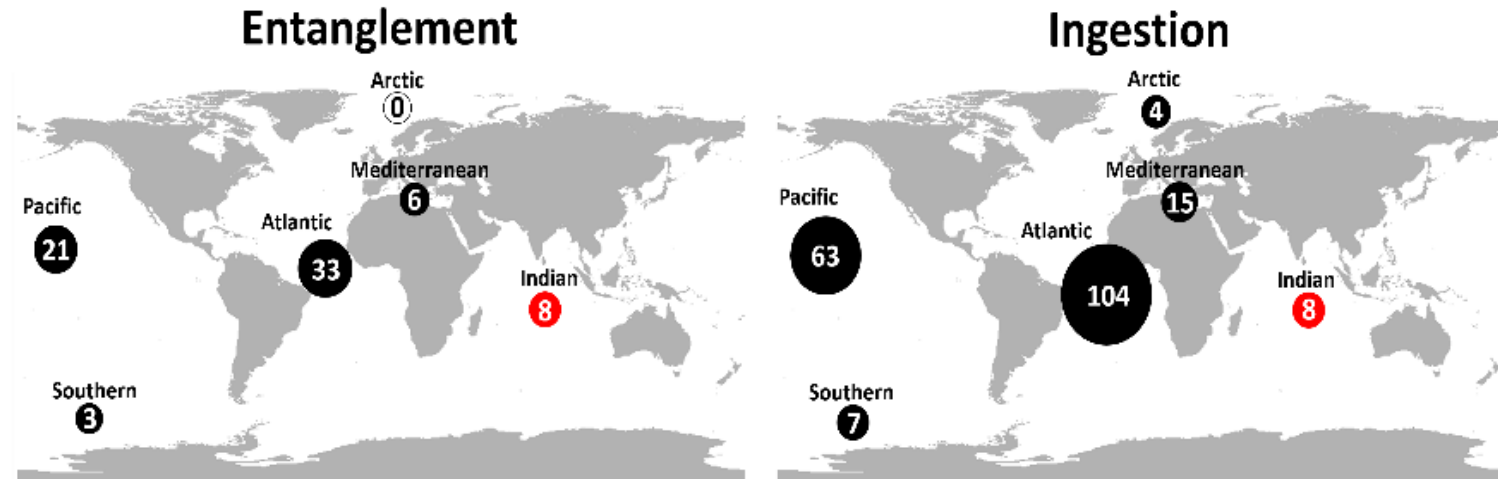
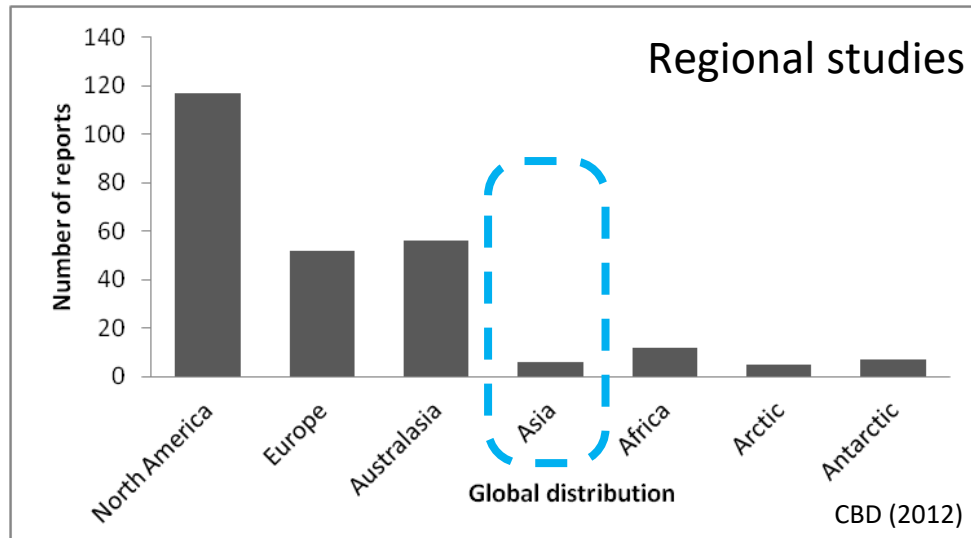
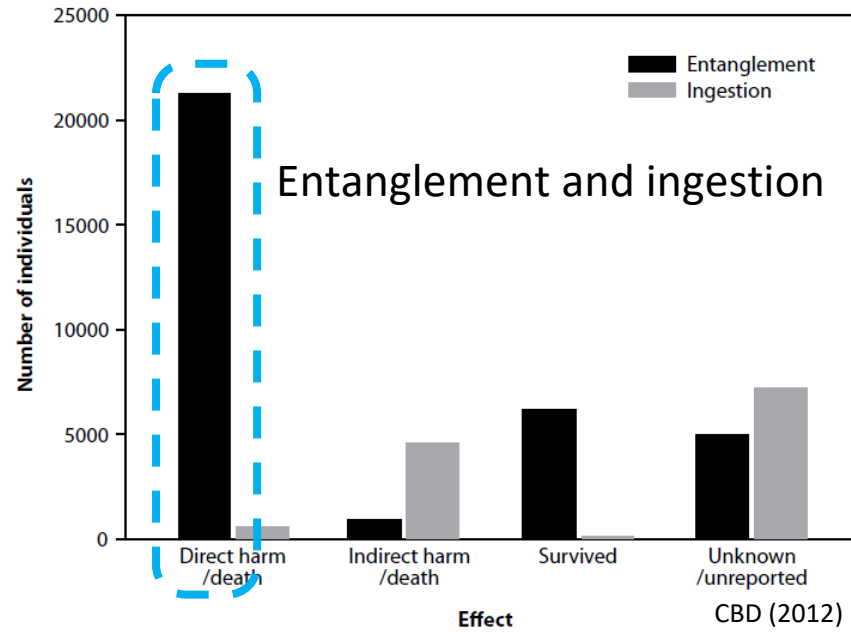


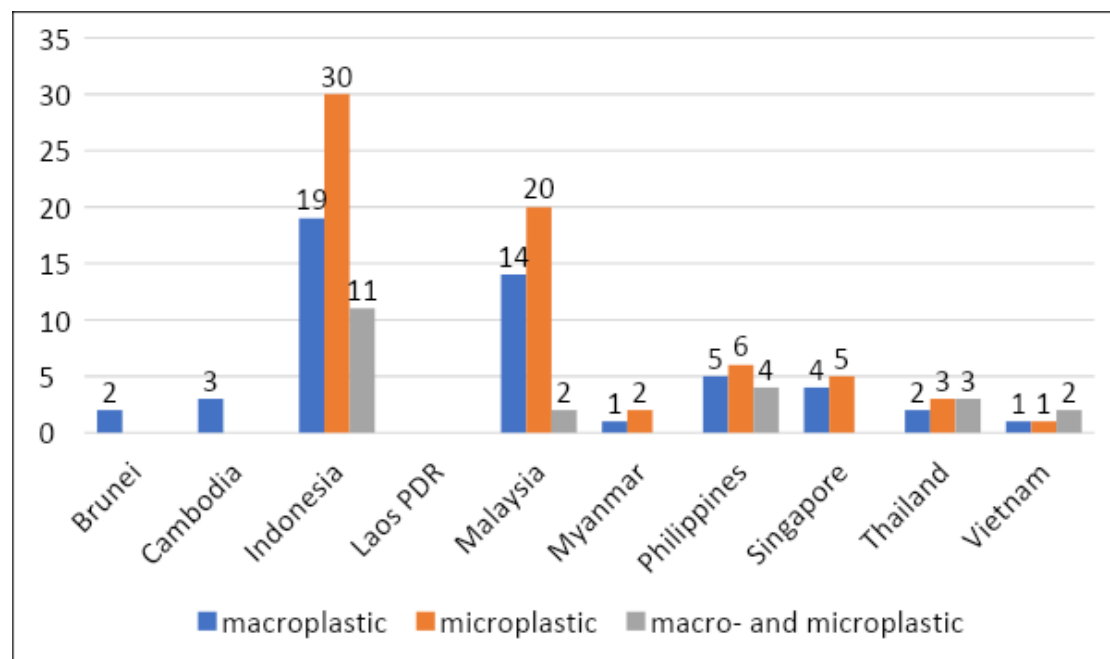
Fig. 5 Global distribution of peer-reviewed studies (until end 2018) investigating interactions of a) entanglement with or b) ingestion of plastic pollution and marine vertebrates. Note low number of studies in study region



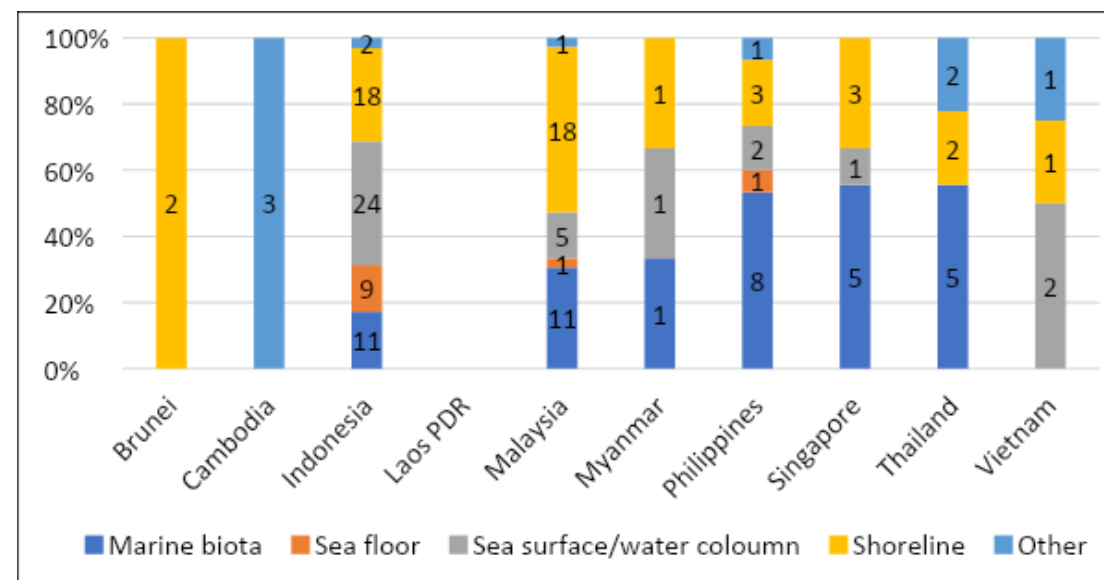
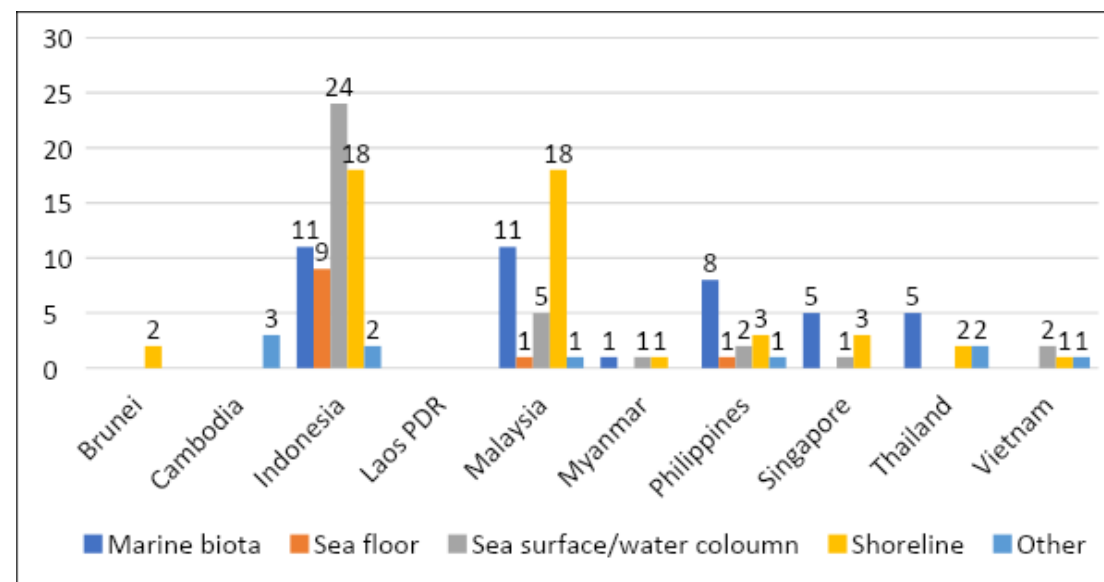
*2017-2020	
Country	Scientific Publication
Brunei Darussalam	2
Cambodia	3
Indonesia	64
Laos PDR	n/a
Malaysia	36
Myanmar	3
Phillipines	15
Singapore	9
Thailand	9
Vietnam	4

Lesson Learn: Monitoring marine litter in ASEAN

Distribution of marine plastic research



Coverage of research



Lesson Learn: limitation and challenge, research gaps

Challenge and limitation:

- Limits to staff capacity and expertise are the main challenges to monitoring
- Terminology, guidelines, and reporting tools make monitoring even more challenging
- Different method used
- Harmonization method and data will help ASEAN country to monitor marine litter pollution 'apple to apple' globally

Research gaps between ASEAN - Global:

- Distribution and abundance of plastic debris to understanding sources and pathways
- Physical and physiological impacts of marine debris in biota and marine habitats
- Interaction of plastic associated contaminants (organic and inorganic)
- Plastic debris socio-economic impacts

Terima kasih



Thank you

どうもありがとうございました

Cảm ơn nhiều

ขอบคุณมาก
អរគុណច្រើន

Gracias

Danke

Grazie

شكرا لك