

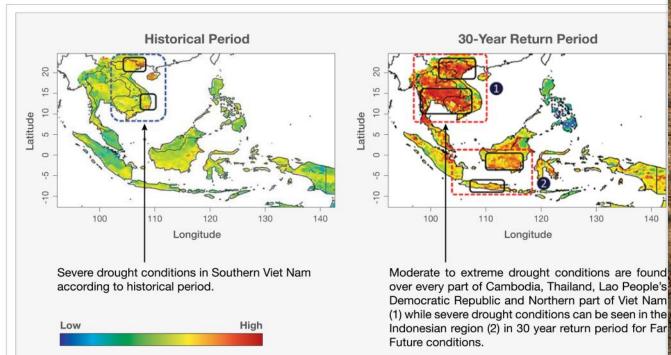
Water for Ecosystems and Biodiversity

INTERCONNECTIVITY IN WETLANDS

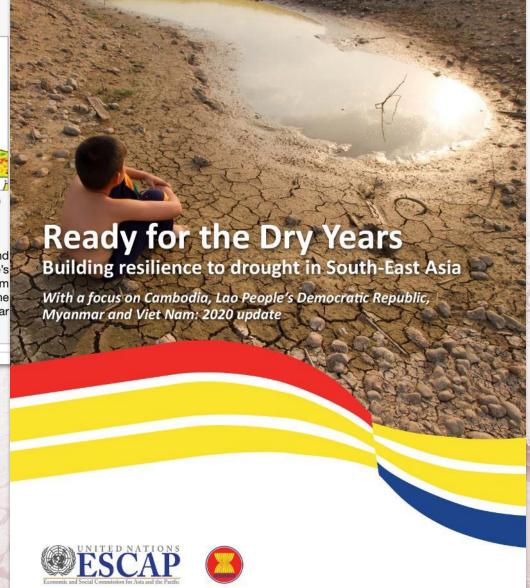
Dr. Theresa Mundita S. Lim **Executive Director ASEAN Centre for Biodiversity**



Figure 1-21 — Projected drought conditions – less extreme El Niño, far future



GLOBAL WATER CRISIS



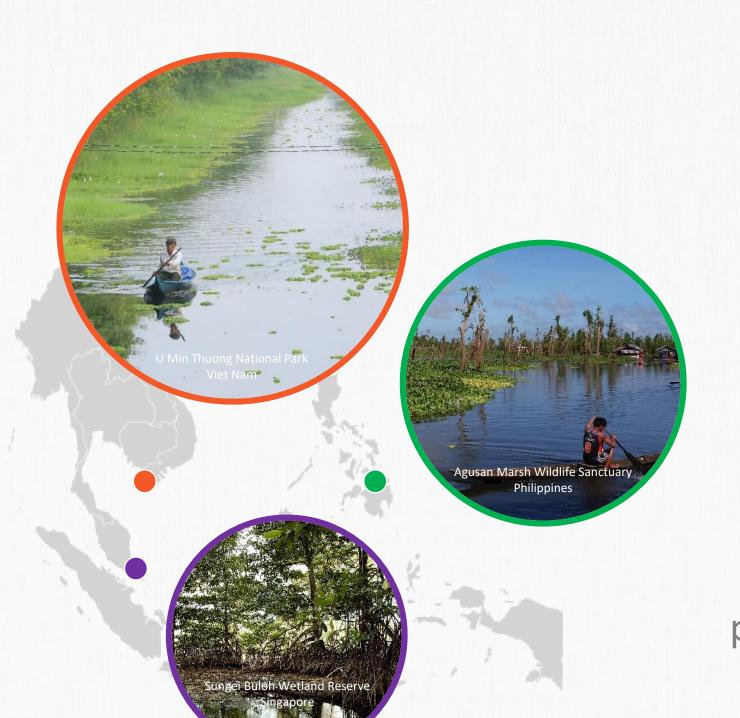
Source: Ready for the Dry Years: Building resilience to drought in South-East Asia (asean.org)



2.5% of the Earth's water is freshwater

1% USABLE





In the ASEAN region

Inland waters and wetlands

2 million sq km



60%

of the world's tropical peatlands

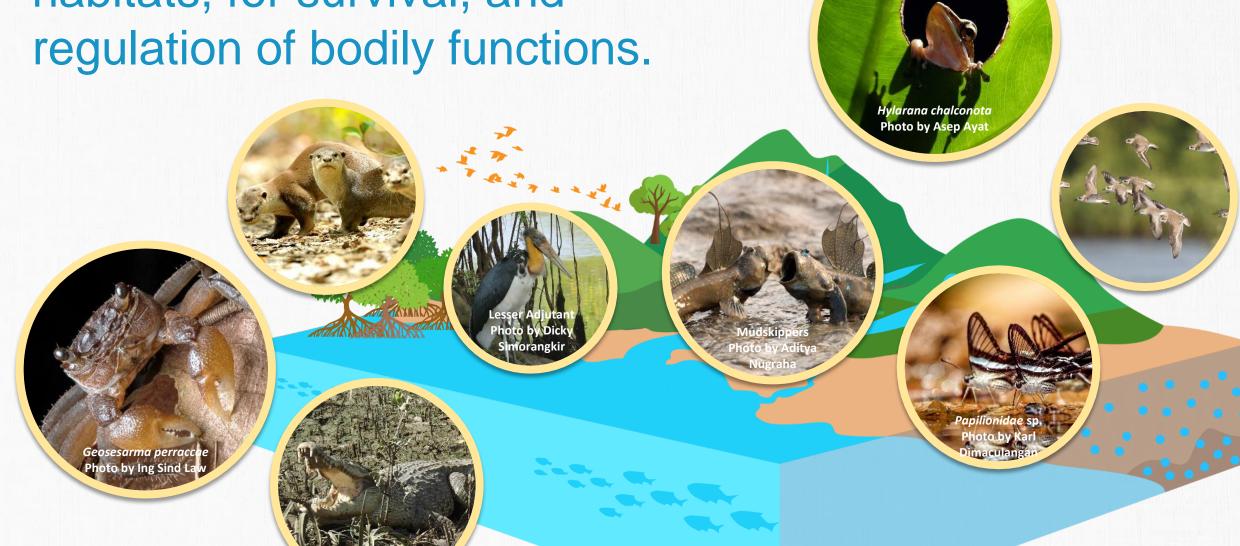


42%

of the world's mangrove forests



Species depend on water for habitats, for survival, and regulation of bodily functions.





©Roland Wirth, speciesonthebrink.org

Rare and endemic freshwater fauna

Mekong Giant Catfish (Pangasianodon gigas)



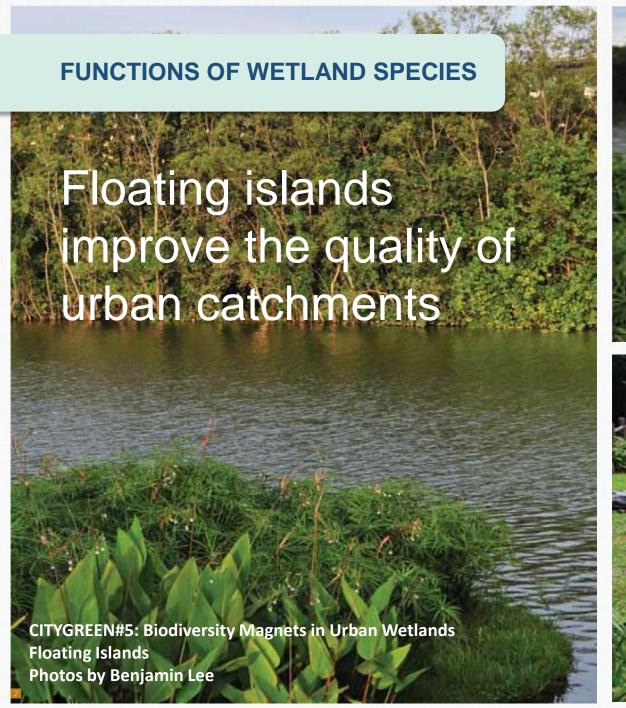






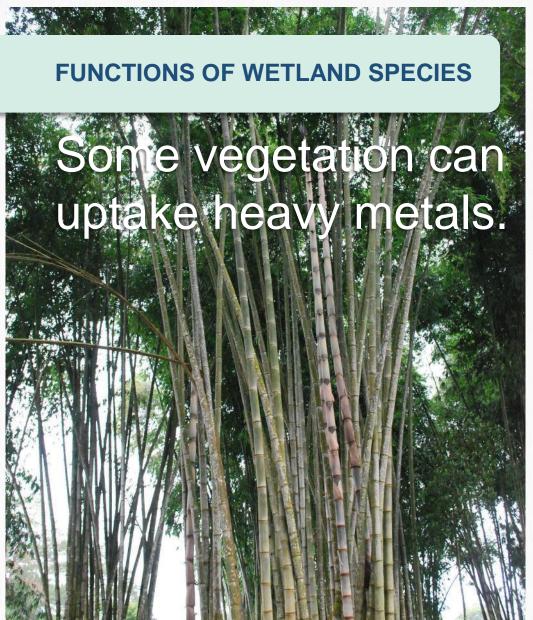








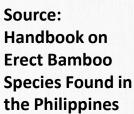




Giant bamboo (Dendrocalamus asper)





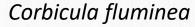






Freshwater bivalves can help remove contaminants.







Cristaria plicata





Irrigate agricultural areas

Agricultural sector in ASEAN

85.5%

Total water withdrawals

Ecosystem services from wetlandsFOOD SECURITY



Ecosystem services from wetlands
FOOD SECURITY

Ba Be Lake

Viet Nam

Ethnic groups rely on the lake for **fishing** and **farming**.



Ecosystem services from wetlands ENERGY & ELECTRICITY

Lake Lanao

Philippines

1 of 15 ancient lakes in the world

70% Electricity generated for domestic use

Proclaimed as a watershed reserve



Ecosystem services from wetlands ENERGY & ELECTRICITY

Inlay Lake

Myanmar

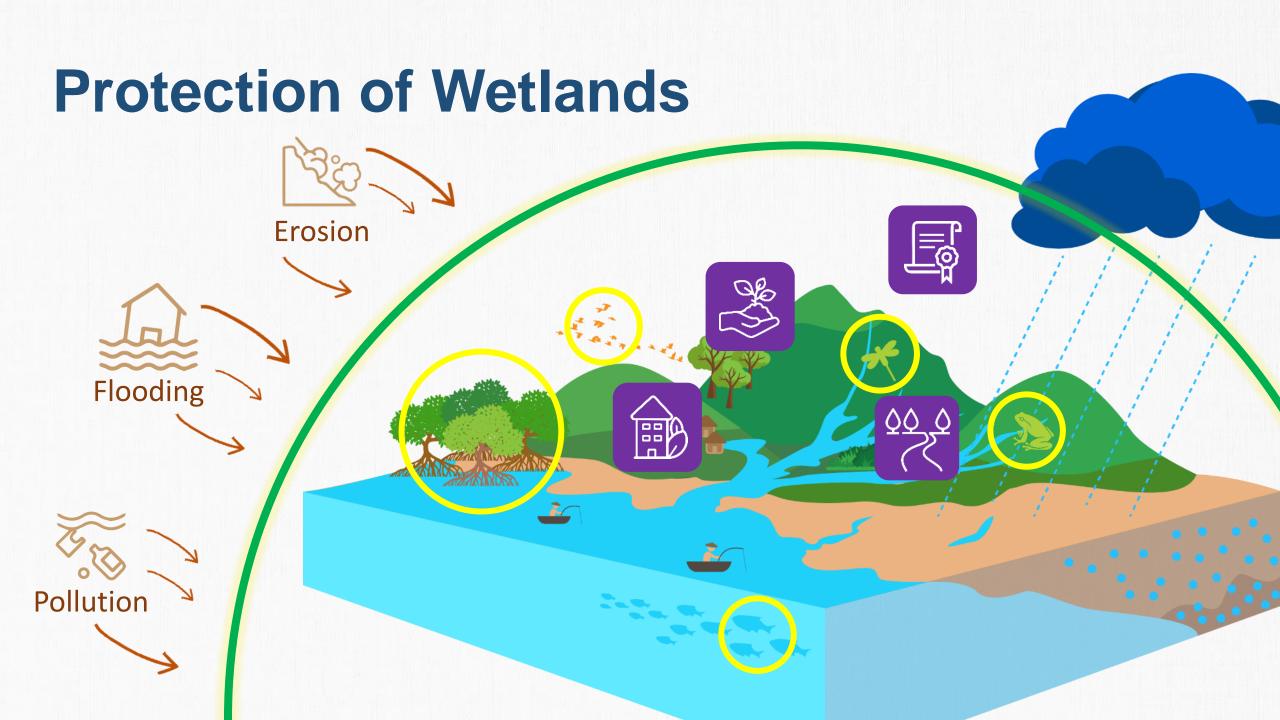
- Floating gardens
- Watershed
- Water source for electricity and domestic use



The resources that we get from wetlands may be depleted.









ECOSYSTEM RESTORATIONS

2021-2030

#GenerationRestoration

Efforts from the ASEAN Member States

Sustainable agriculture and cultural management practices

Thailand

- Cropping calendar shift
- Integrated crop management



Efforts from the ASEAN Member States

Boracay Rehabilitation

Philippines

Joint activity by the government and private sector











Efforts at the Regional Level

ASEAN Flyway Network





Second ASEAN Flyway Network Meeting and Field Visit (2018)





Efforts at the Regional Level

ASEAN Flyway Network



Waterbird Census and Wetland Assessments at Naujan Lake National Park, the fifth largest lake in the Philippines with an approximate area of about 8,098 hectares and a designated Ramsar site and Flyway Site Network.

Photos by Naujan Lake National Park













webinar

ASEAN Heritage Parks and COVID-19 Pandemic: Impacts, Responses, and Recovery

11 September 2020, 14:30 (GMT+7) / 15:30 (GMT+8)



webinar

Biodiversity and Preventing Future Pandemics

20 May 2020 | 10:00 A.M. - 11:30 A.M. (GMT+8)

Setting the tone: zoonoses and biodiversity conservation in the ASEAN region

COVID-19 situation in ASEAN

Health and Biodiversity in the Post-2020 Global Biodiversity Framework and developments

Highlights of the ASEAN Scoping Study on Interlinkages of Health and Biodiversity

Updates on ASEAN response to wildlife management to curb zoonoses



H.E. Kung Phoak Deputy Secretary-General of ASEAN



Drg. Oscar Primadi, MPH Secretary General Ministry of Hearth, Indonesia Chair of Senior Officials Meeting o



Dr. Theresa Mundita S. Li

Executive Director of the
ASEAM Courte for Riceinses in



Dr. Unnikrishnan Payyappallimana International Institute for Global



Prof. Zakri Hamid Founding Chair of IPBES and ISFAN Brodings to Haro Malanti

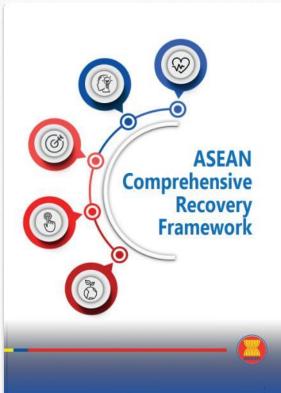


Ms. Antoinette Taus Moderator Uh Environment Programme's National Goodwi

Catch us live on the ACB's Facebook account facebook.com/ASEANBiodiversity

#Biodivers





- Articulate ASEAN recovery strategy from COVID-19
- Guide ASEAN sectors to assess, realign, or expedite work and priorities
- Provide a reference and set priorities for ASEAN cross-pillar coordination and contribution from broader stakeholders
- Outline ASEAN recovery strategy for engagement with partners and external stakeholders
- Contribute to ASEAN
 Community Vision 2025
 and the strengthening
 of future resilience

ASEAN COMPREHENSIVE RECOVERY

Approach

- Focused
- Balanced
- Impactful
- Pragmatic
- Inclusive
- Measurable

- Whole-of-ASEANcommunity approach
- · Clarity in directions
- Synergy and complementary with national response
- Agile and flexible implementation
- Follow a 3Rs phased approach

Source: ASEAN Secretariat







Hand-washing is our first line of defense against the spread of viruses.

Addressing the water issues in the region is pivotal.



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