Capacity Assessment Tsunami Preparedness
Indian & Pacific Oceans

unesco
Intergovernmental
Oceanographic
Commission

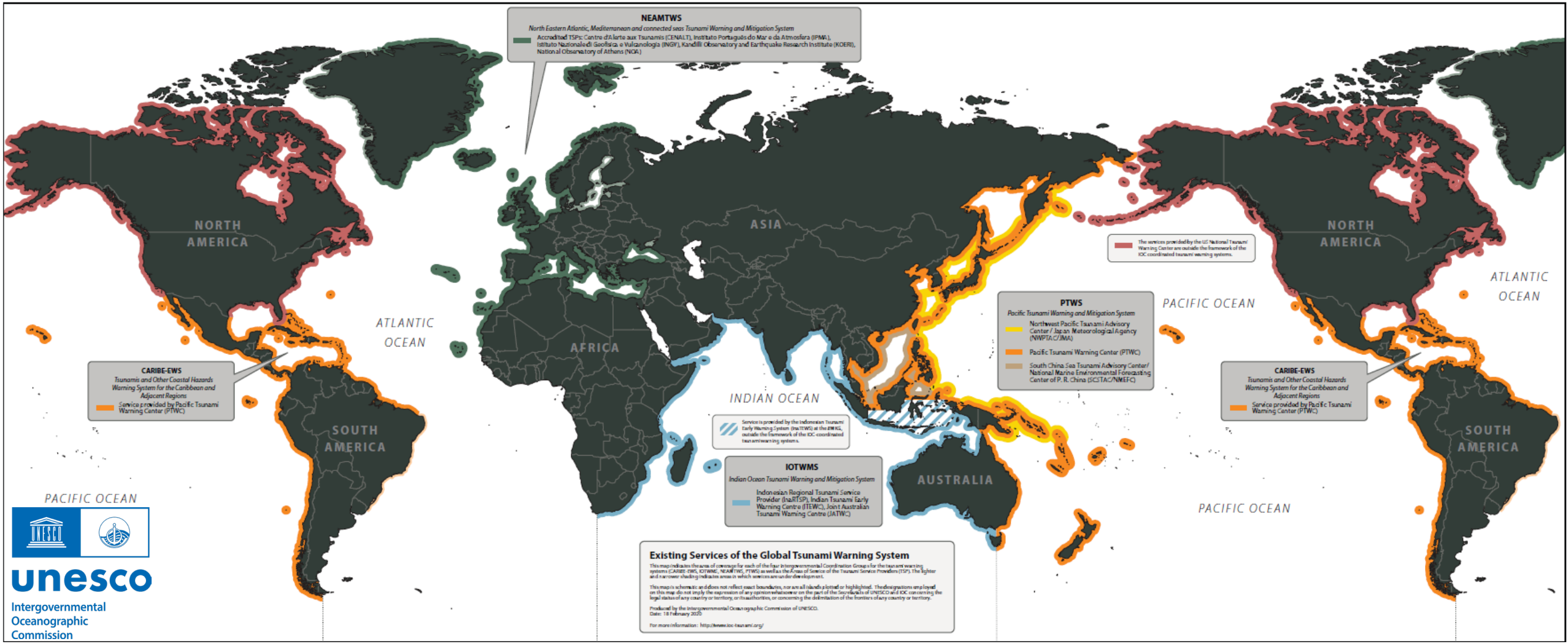
ADB
ASIAN DEVELOPMENT BANK

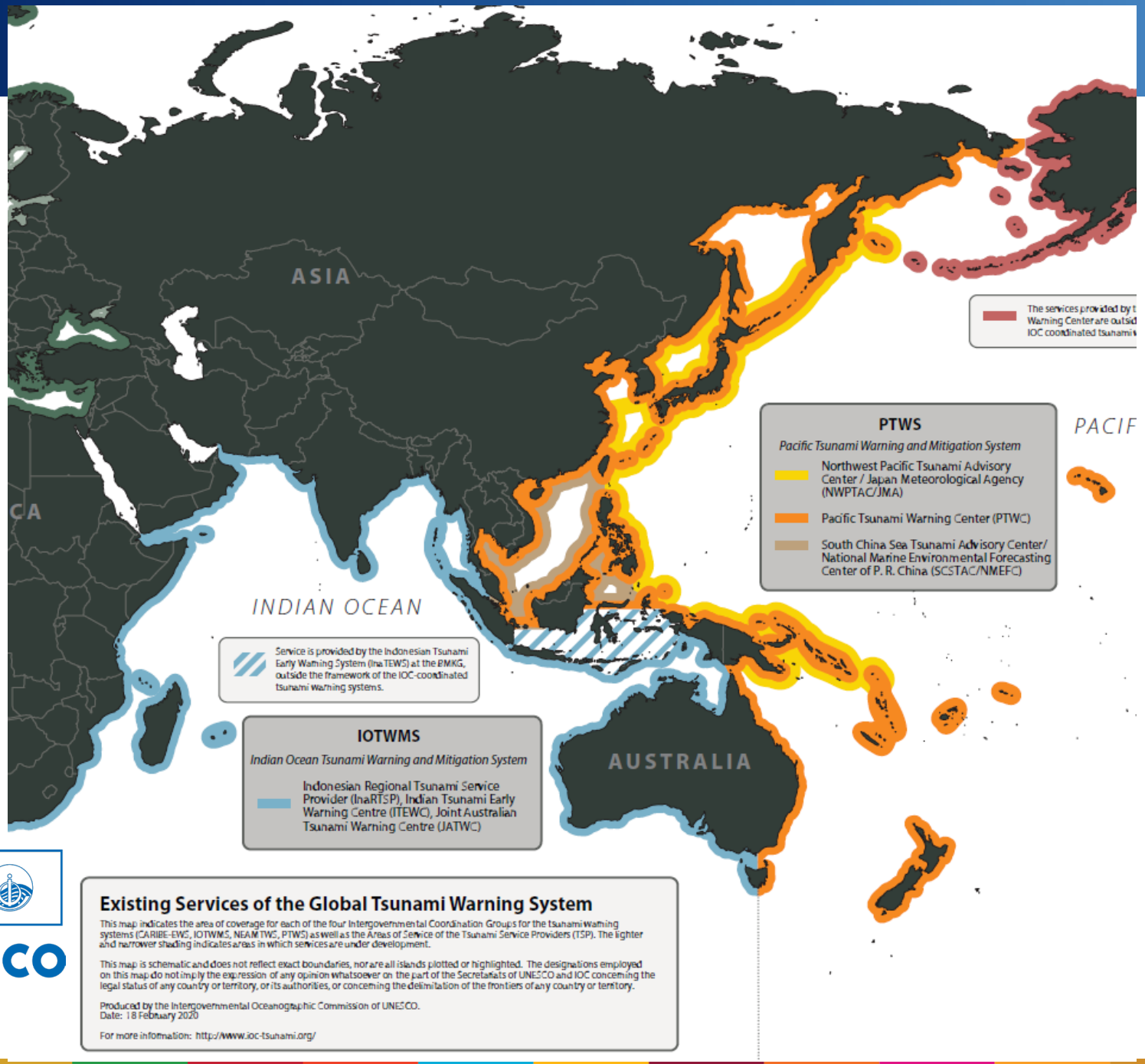
ESCAP Multi-Donor Trust Fund
for Tsunami, Disaster and
Climate Preparedness

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC

UNESCO-IOC Global Tsunami Warning System





unesco
Intergovernmental Oceanographic Commission

IOTWMS = 27 members
- 14 ESCAP members
- 6 ASEAN
- 5 SAARC
- 2 PIF
- 8 EW4All countries

PTWS = 46 members
- 33 ESCAP members
- 9 ASEAN
- 17 PIF
- 8 EW4All countries

Australia, Indonesia, Malaysia, Singapore, Thailand and Timor-Leste are members of both IOTWMS and PTWS

Previous Comprehensive Assessments

PTWS

National capacity assessments for 14 Pacific countries and consolidated regional report in 2009/2010 funded by Australia

ESCAP

Unmet needs survey for the region conducted in 2008 and 2011

IOTWMS

- Full capacity assessments in 2005 and 2018 and commitment to undertake 2024
- Capacity assessment framework and tools already developed

Capacity assessment of tsunami preparedness

CAPITALISING ON ASEAN will to strengthen tsunami preparedness + existing technical capacity assessment methodologies and UNESCO-IOC IOTWMS commitment to conduct a assessment for 2024 + UNDP/UNDRR/UNESCO/ National 20th commemoration events and campaigns

OBJECTIVES

1. To evaluate the existing technical capacity of the UNESCO-IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS) and Pacific Tsunami Warning System (PTWS) and highlight the progress made since 2004 IOT and subsequent assessments.

   เพื่อประเมินศักยภาพทางเทคนิคที่มีอยู่ของระบบเตือนภัยและบรรเทาสึนามิในมหาสมุทรอินเดีย (IOTWMS) และระบบเตือนภัยและบรรเทาสึนามิในมหาสมุทรแปซิฟิก (PTWS) ของ UNESCO-IOC และเน้นย้ำความก้าวหน้าที่เกิดขึ้นนับตั้งแต่การประเมิน IOT ปี 2004 และการประเมินครั้งต่อ ๆ มา

2. To identify specific gaps and capacity development requirements at regional and national levels for strengthening the technical and policy aspects of the tsunami warning and mitigation systems in the region

   เพื่อระบุช่องว่างและความต้องการในการพัฒนาศักยภาพที่เฉพาะเจาะจงในระดับภูมิภาคและระดับประเทศเพื่อเสริมสร้างด้านเทคนิคและนโยบายของระบบเตือนภัยและบรรเทาสึนามิในภูมิภาค

3. To reinvigorate political commitment and provide recommendations for investments in tsunami preparedness, aiming to address the identified gaps in Asia and the Pacific through regional and subregional cooperation.

4. เพื่อกระตุ้นความมุ่งมั่นทางการเมืองและให้คำแนะนำสำหรับการลงทุนในการเตรียมพร้อมรับมือสึนามิ โดยมุ่งหวังที่จะจัดการกับช่องว่างที่ระบุในภูมิภาคเอเชียและแปซิฟิกผ่านความร่วมมือในระดับภูมิภาคและอนุภูมิภาค

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

Tsunami Ready

SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030

SUSTAINABLE DEVELOPMENT GOALS

Capacity assessment of tsunami preparedness

2024 OUTPUTS - IOTWMS

- 1.A_ Member States Survey Analysis for IOTWMS (IOC)
- 1.B_ IOTWMS assessment summary and comparative analysis (IOC)
- 3.A_ Tsunami preparedness recommendations for ASEAN policymakers (UNESCAP)
- 3.B_ Tsunami preparedness recommendations for SAARC policymakers (UNESCAP)

2025 OUTPUTS - PTWS

- 2.A_ Member State Survey Analysis for PTWS (IOC)
- 2.B_ PTWS assessment summary and comparative analysis (IOC)
- 3.C_ Tsunami preparedness recommendations for PIF policymakers (UNESCAP)

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

Tsunami Ready

SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030

SUSTAINABLE DEVELOPMENT GOALS

	2023		2024				2025			
Outputs	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Overall	Develop proposal	- Endorse Proposal (Trust Fund Advisory Council, ASEAN, and UNESCO-IOC ICG PTWS) - Launch Tsunami Capacity Assessment exercise at WTAD 2023 - Recruitment - ICG/IOTWMS establish Assessment Team		- High-level sessions (80th Commission, 11APFSD)	- IOTWMS validation and learning workshop - ICG/IOTWMS Steering Group Review - Opportunities for high-level session discussions (APMCDRR)	- Prepare Presentation Packages & Media releases - Printing **- Launch publications for 20th commemoration events (1.B, 3.A, 3.B)**	- ICG/IOTWMS and University of Huddersfield training for Pacific	- High-level sessions (81st Commission, 12APFSD)	- PTWS validation and learning workshop	- Prepare Presentation Packages & Media releases around WTAD 2025 - Printing - Launch, publication at events tbc (2.A, 2.B, 3.C)
IOTWMS Technical (1.A, 1.B)			- 2018 Survey review and Update for 2024	- Data collection - Data analysis and synthesis	- Data analysis and synthesis **-Draft UNESCO-IOC technical report (1.B)** - ICG/IOTWMS Steering Group review	**- Adoption by UNESCO-IOC ICG/IOTWMS-XIV (1.B)**				
PTWS Technical (2.A, 2.B)				- Include in ICG-PTWS workplan		- Data collection	-- Data collection begins - High-level sessions (PacWave24)	- Data analysis and synthesis	- Data analysis and synthesis **- Draft PTWS Technical reports**	- Circulate to **ICG/PTWS Steering Committee for review and finalisation (2.B)**
Subregional Policy Papers (3.A 3.B 3.C)				- Drafting of Phase 1 ASEAN and SAARC reports	- Circulate ASEAN report for review **- Finalisation of Phase 1 IOTWMS ASEAN and SAARC reports (3.A, 3.B)**	- Incorporate findings into new programming		- Drafting of Phase 2 PIF report	- Circulate PIF report for review	**- Finalisation of Phase 2 PTWS and PIF reports (3.C)**