RIMES' TSUNAMI SERVICES

Capacity Assessment Validation Workshop

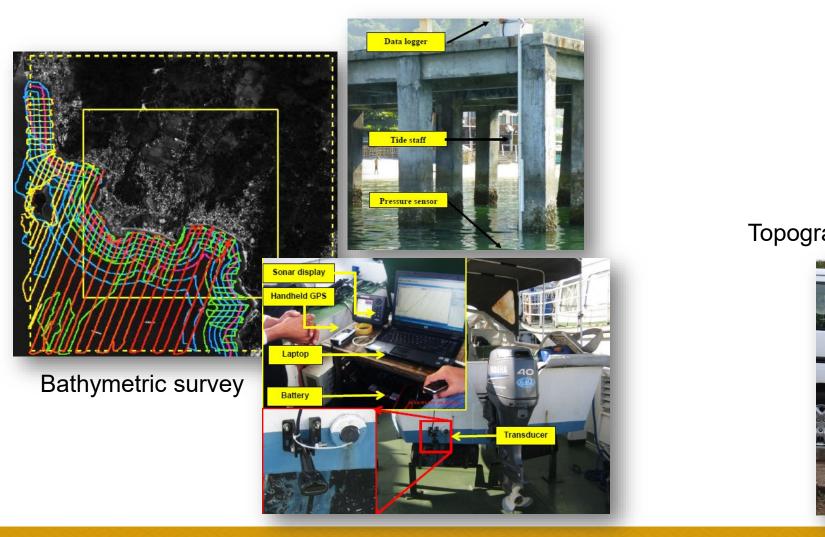
2024 Tsunami Preparedness Capacity Assessment in Indian and Pacific Oceans Project

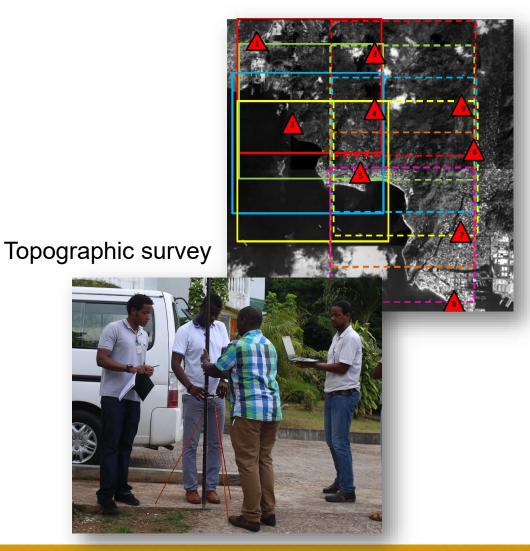
6 September 2024 Thailand





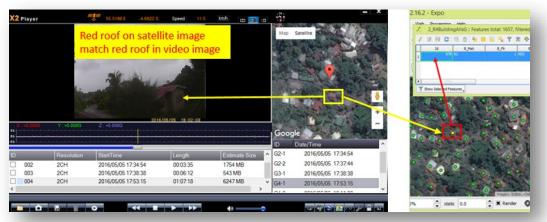
Enhanced availability of data through enhanced capacities on seamless multi-source nearshore topography and bathymetry and exposure database development



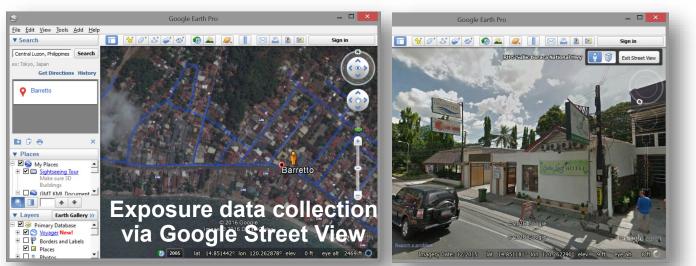




Enhanced availability of data through enhanced capacities on seamless multi-source nearshore topography and bathymetry and exposure database development



Exposure data collection via Street view survey



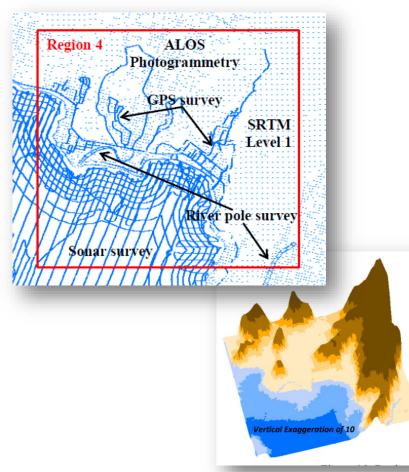


Building material & Building usage





Enhanced availability of data through enhanced capacities on seamless multi-source nearshore topography and bathymetry and exposure database development



Elevation in meters Deeper than 2000 m -999.9999999 - -500 -499.99999999 - -100 -99.99999999 - -30 -29.999999999 - -10 -9.999999999 - -11 -0.999999999 - 0 0 - 10 10.00000001 - 30 30.00000001 - 50 50.00000001 - 100 More than 100 m

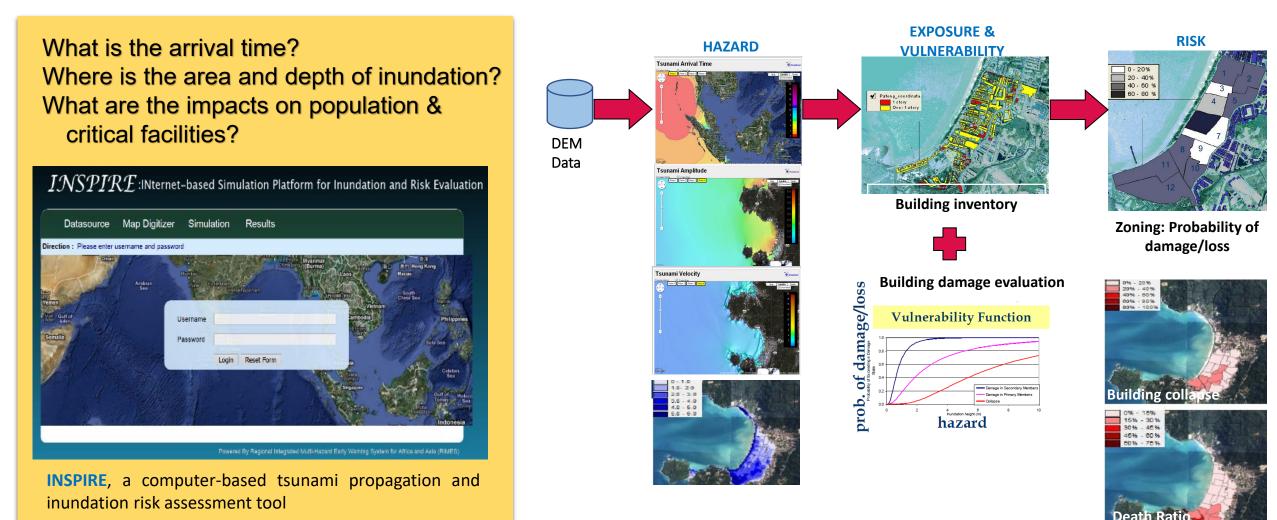


ToT in Seychelles

Topobath DEM development



Enhanced user agencies' preparedness for tsunami hazard emergencies through improved tsunami hazard and risk assessment capacities





Fragility Curve

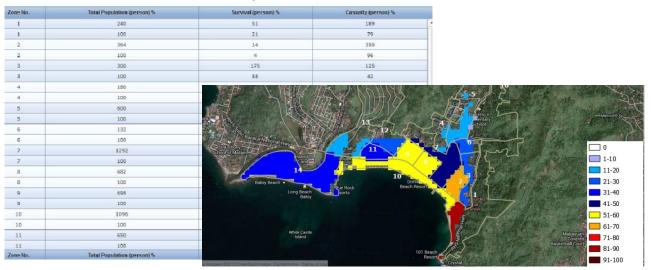
BUILDING MATERIAL TYPE

Туре	Non-solid buildings	Solid buildings	
Structure (material)	Brick-built, block-built, or wooden	Reinforced concrete, steel	
The number of floors	One or two	Two or more	
Usage	Housing (commercial)	Public, commercial, or office	
Image			
	100% 80% 80% 10	100% 100%	
	(a) Non-solid buildings	(b) Solid buildings	

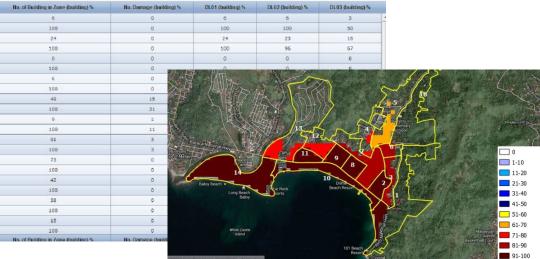
BUILDING DAMAGE LEVEL

Damage Rank	Complete Damage	Heavy Damage	Moderate Damage	No/Slight Damage
Definition	Complete structural damage	Structural damage and unusable	No visible structural damage and reusable	No visible mentionable damage
Image	N. A.			

Estimated Casualty



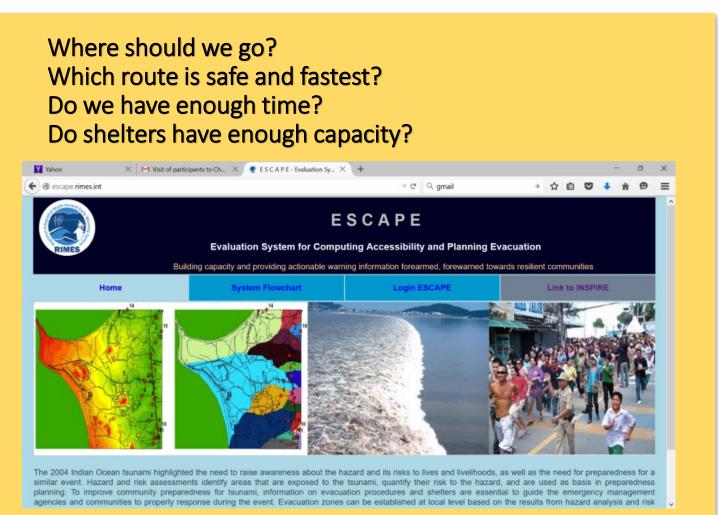
Estimate Building Damage





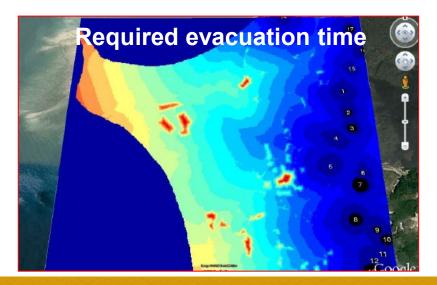
IOTWMS PILLAR 3 AWARENESS, PREPAREDNESS AND RESPONSE

Enhanced response capabilities within disaster management organizations and communities



ESCAPE, a computer-based tool for computing shelter accessibility & planning evacuation

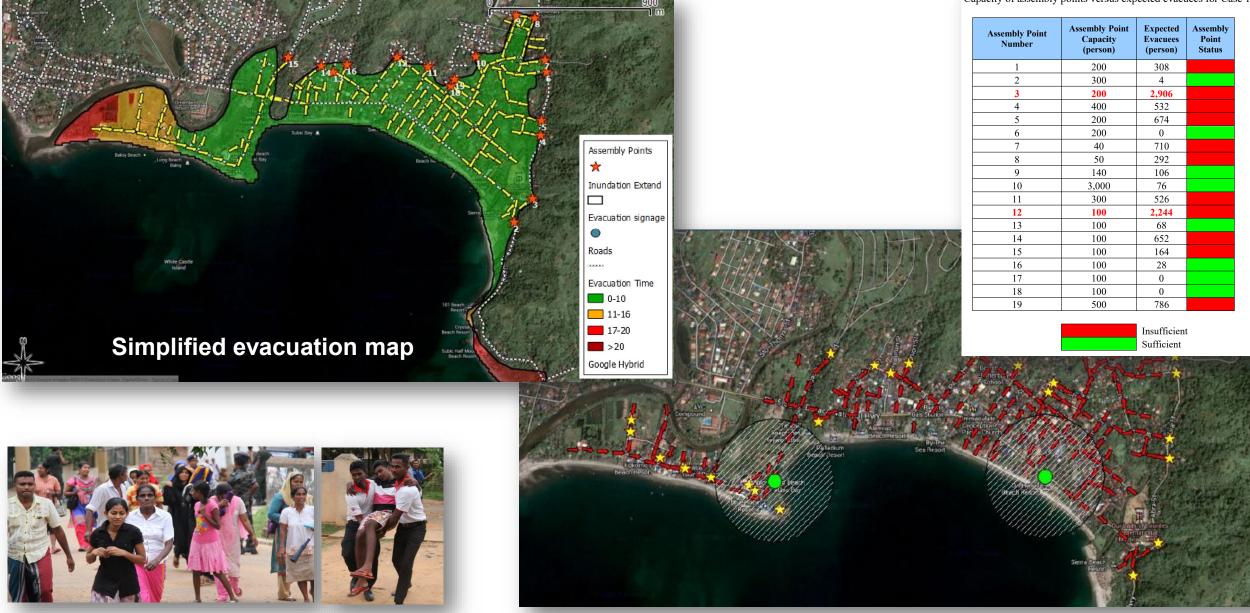






IOTWMS PILLAR 3 AWARENESS, PREPAREDNESS AND RESPONSE

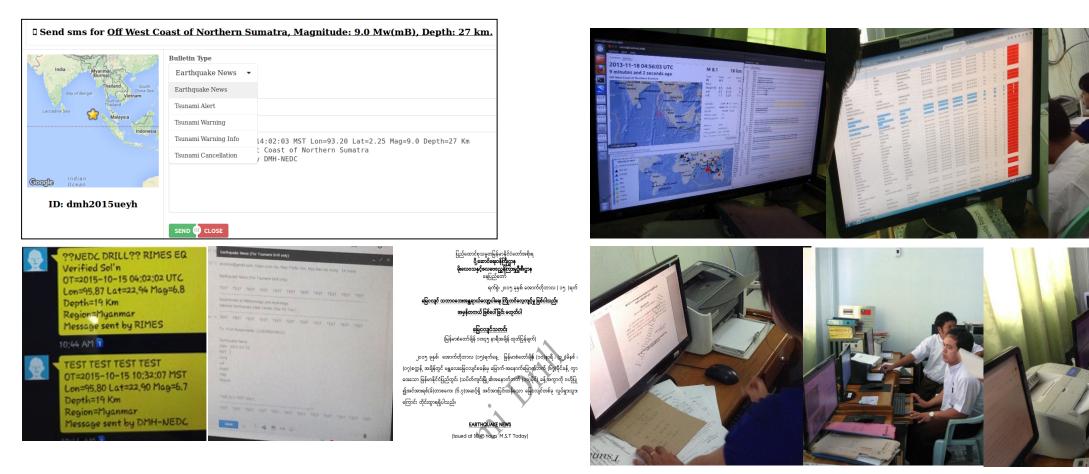
Capacity of assembly points versus expected evacuees for Case 1



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IOTWMS PILLAR 2 DETECTION, WARNING AND DISSEMINATION

Enhanced efficiency in data processing, analysis, and dissemination of tsunami information



Development/testing of a tool to support tsunami information dissemination by NEDC-DMH, Myanmar



THANK YOU FOR YOUR ATTENTION!