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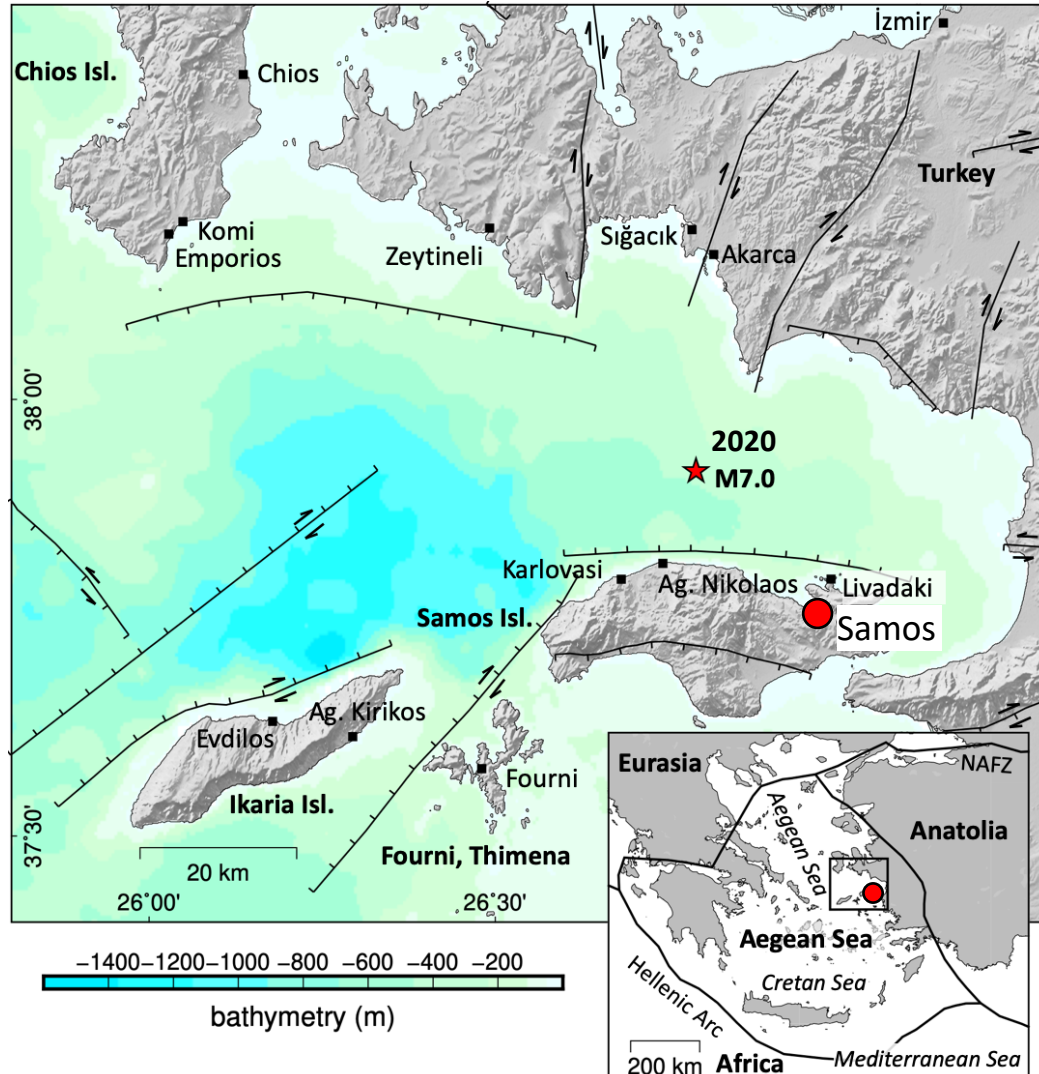
Strengthening the Resilience of Coastal Communities in the North East Atlantic,
Mediterranean Region to the Impact of Tsunamis and Other Sea Level-Related
Coastal Hazards Project

Greece/ Nikos Kalligeris

INTRODUCTION / BACKGROUND INFORMATION

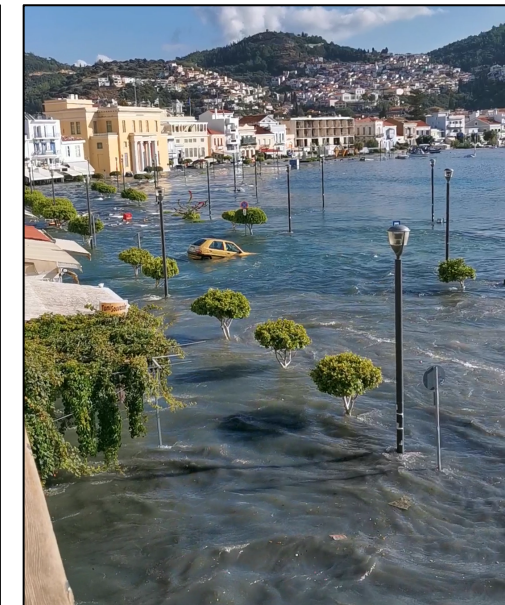
- *In-country liaison/focal point for the project: Nikos Kalligeris, NOA*
- *Identification/confirmation of your nominated community for Tsunami Ready Recognition(Include a map of coastal community if possible): the city of Samos, Samos island*

INTRODUCTION / BACKGROUND INFORMATION



The city of Samos

- Administrative capital of the Municipality of Eastern Samos
- Largest city of the island of Samos
- Population of 6191 (census of 2011)
- Coastal infrastructure include a port and a marina
- Samos was impacted by the 2020 Samos-Aegean tsunami



INTRODUCTION / BACKGROUND INFORMATION

- *Preliminary information concerning key national stakeholders and partners that you envisage for this project:*
 - Municipality of Eastern Samos
 - Local emergency services (Fire brigade, Police, Coast Guard, Emergency Assistance)
 - Local volunteering groups (civil protection and immigration)
 - Directorate of Education of Samos (primary and secondary)
 - Civil Protection at the regional level (Region of the Northern Aegean)

INTRODUCTION / BACKGROUND INFORMATION

- *Preliminary information concerning key national stakeholders and partners that you envisage for this project:*
 - *National CPA*
 - *Earthquake Planning and Protection Organization*
 - *Central Union of Municipalities of Greece*
 - *University of Aegean*
 - *Hellenic Chamber of Hotels, Chamber of Commerce and Industry*
 - *News media*
 - *NGOs, including local NGOs on immigration*
 - *DG-ECHO*
 - *JRC*
 - *UNDRR*

COMMUNITY COASTAL SEA LEVEL HAZARD EARLY WARNING AND MITIGATION SYSTEM CONTEXT/ STATUS (CON'T)

(i) Risk Knowledge and Communication Strategies

		PROVIDE AN IDEA OF EXISTING KNOWLEDGE ETC, ON SEA LEVEL COASTAL HAZARD RISK PERCEPTIONS AND COMMUNICATION STRATEGIES WITHIN THE LOCAL COMMUNITY [none/lacking/some]	NEEDS
1	Tsunami	Some - the local community of Samos was recently impacted by the 2020 Samos tsunami	Raise regional tsunami awareness and invest in meeting TR targets
1	Storm Surge	Lacking – some experience at local community level due to past flooding from storm surges	Perform local storm surge hazard assessment, define hazard zone, plan mitigation, preparedness and response strategy, communicate storm surge risk to local community
2	Sea Level Rise	Lacking – sea level rise hazard studies have been undertaken at a national level	Communicate expected SLR impact at community level. Plan SLR mitigation strategy to ensure timely and adequate response

COMMUNITY COASTAL SEA LEVEL HAZARD EARLY WARNING AND MITIGATION SYSTEM CONTEXT/ STATUS (CON'T)

(ii) Early Warning and Mitigation System Status

		PROVIDE AN IDEA OF EXISTING CAPACITY/CAPABILITY WITHIN THE LOCAL COMMUNITY [Non-existence/ lacking/ available]	NEEDS
1	Detection	Available – tsunami detection is done at national level using the national/IOC tide gauge network	Upgrade local tide gauge to transmit real-time data to HL-NTWC
1	Monitoring (e.g. IDSL)	Lacking – monitoring done at national level; local tide gauge exists (not IDSL), but is neither operational nor does it currently transmit data in real time	Upgrade local tide gauge to transmit real-time data to HL-NTWC
2	Warning / Forecast	Available - tsunami warning system operational at a national level	
3	Communication & Dissemination	Lacking – official tsunami warning messages disseminated through the national downstream system, without specific capacity building at community level	Draft Emergency Response Plan and locally install technologies to efficiently communicate/disseminate tsunami warning messages
4	Preparedness and Response	Lacking – emergency response plan has not yet been drafted/implemented at community level. Preparedness and response guidelines exist at national level	Draft Emergency Response Plan and assess capacity to manage emergency response operations during a tsunami

(iii) Status / Elements of Tsunami Ready in the proposed/nominated community site?

UNESCO IOC TSUNAMI READY INDICATORS		PROVIDE AN IDEA OF EXISTING CAPACITY AT THE NOMINATED COMMUNITY [NONE/ ONGOING/ ACHIEVED]	NEEDS
I	ASSESSMENT (ASSESS)		
1	ASSESS-1. Tsunami hazard zones are mapped and designated	Ongoing – DEM for Samos prepared and used for numerical simulations of the 2020 Samos-Aegean tsunami	Define maximum probable regional seismic sources and perform numerical simulations to define maximum probable tsunami inundation area/tsunami hazard zone
2	ASSESS-2. The number of people at risk in the tsunami hazard zone is estimated	Ongoing	Undertake task in collaboration with the municipality
3	ASSESS-3. Economic, infrastructural, political, and social resources are identified	Ongoing	Undertake task in collaboration with the municipality
II	PREPAREDNESS (PREP)		
4	PREP-1. Easily understood tsunami evacuation maps are approved	Ongoing	Not yet produced. It will be drafted in collaboration with the municipality after the above tasks are completed
5	PREP-2. Tsunami information is publicly displayed	None – signage design available	Not yet produced and displayed on site
6	PREP-2. Outreach and public awareness and education resources are available and distributed	Ongoing – resources are available at national level	Not yet distributed to the public
7	PREP-3. Outreach or educational activities <u>are held at least three times a year</u>	Ongoing – public outreach activities performed during recent field survey	Additional public outreach activities planned for the project. Need to train local personnel and involve the regional Directorate for Education
8	PREP-4: A community tsunami exercise is conducted at least every two years	None	Organize and conduct an earthquake tsunami exercise at the community level within the duration of the project
III	RESPONSE (RESP)		
9	RESP-1. A community tsunami emergency response plan (ERP) is approved	Ongoing	Emergency Response Plan in place through national CPA guidelines. Draft ERP for earthquakes and tsunamis at the community level, in collaboration with the municipality and the national CPA
10	RESP-2. The capacity to manage emergency response operations during a tsunami is in place	Ongoing	The community’s capacity to manage emergency response operations will be evaluated after drafting the ERP at the community level
11	RESP-3. Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place	Ongoing	HL-NTWC TWMs received 24-hr at the local offices of the emergency services. Strengthen task after drafting the ERP plan at the community level
12	RESP-4. Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place	Ongoing	HL-NTWC TWMs disseminated 24-hr through the local offices of the emergency services. Strengthen task after drafting the ERP plan at the community level