EVALUATION ON THE NEEDS FOR GENERATING TSUNAMI EVACUATION AND INUNDATION MAPS FOR ICG/CARIBE-EWS MEMBER STATES

Working Group 2
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TSUNAMI EVACUATION MAPS
Interest on evacuation maps

- Yes: 29 (94%)
- No: 2 (6%)

Type of tsunami evacuation maps

- Fixed-height: 3 (10%)
- N/A: 1 (3%)
- Inundation maps: 27 (87%)

Interested on receiving assistance

- Yes: 27 (93%)
- No: 2 (7%)
Type of assistance preferred

- EVACUATION maps generated by the state after receiving the appropriate training on determining the inundation region and creating the evacuation maps: 19
- EVACUATION maps of previously identified inundation regions to be generated by the state after receiving appropriate training: 14
- EVACUATION maps to be generated on-site by an external group during a site visit: 13
- EVACUATION maps to be generated remotely by an external group: 9
- Inundation maps to be generated remotely by an external group: 8
- Inundation maps to be generated on-site by an external group during a site visit: 7
DATA REQUIRED FOR TSUNAMI EVACUATION MAPS
Ownership or access to:

**Vulnerability data**
- Yes: 16 (52%)
- No: 3 (9%)
- Other: 7 (23%)
- N/A: 2 (6%)

**Topographic data**
- Yes: 28 (88%)
- No: 1 (3%)
- N/A: 1 (3%)

Total: 53
Access or ownership of bathymetric data

- Yes: 23 (74%)
- No: 6 (19%)
- N/A: 2 (7%)

However, the states indicated the quality, extent, and/or resolution of the data might not be suitable for tsunami modeling.

Source of bathymetric data:

- Nautical charts: 20
- Bathymetric surveys: 20
- LIDAR: 7
- Other: 8
- N/A: 3
Surveys for high-resolution bathymetry data

Interest

- Yes: 27 (87%)
- No: 3 (10%)
- N/A: 1 (3%)

Assistance required

- Yes: 25 (78%)
- No: 5 (16%)
- N/A: 2 (6%)
Type of assistance for bathymetric survey

- Financial: 10
- Training: 7
- Technical: 6
- Equipment: 5
- Counseling: 4
- Ships: 2
- Manpower: 2
Means to obtain assistance for bathymetric survey

- Hiring a private company: 12
- Signing a bilateral agreement with another state: 17
- As part of an academic international project: 23
- Other (Academic national grant): 1
- N/A: 6
States able to provide assistance for bathymetric survey

Yes: 9 (29%)
No: 21 (68%)
N/A: 1 (3%)
CONCLUSIONS & RECOMMENDATIONS
• **Training**: preferred mean to build tsunami evacuation maps

• Funding to organize training similar to TEMPP?

• Funding for bathymetric surveys

• International academic projects for bathymetric surveys

• Bathymetric data available requires a case by case analysis