





GLOBAL TSUNAMI MODEL (GTM)

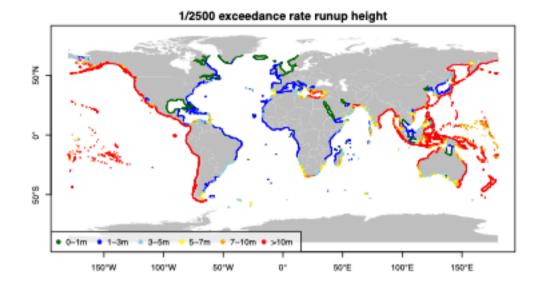
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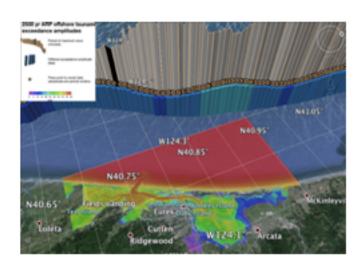


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Background and motivation – why did we take this initiative

Gather the scientific community for

- Discuss some open issues
- Improving methods; sharing tools

Triggered during Multi-institutional work on hazard and risk for the UN-ISDR (Global Assessment Report, GAR)

Initiative from the tsunami community itself





2015













































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- Improved understanding of tsunami hazard and risk (and related disciplines)
- Develop standards and guidelines for probabilistic assessment
- Harmonize efforts and products (e.g. regional data and projects)



 Integration of results and tools with related organizations such as GEM and GVM

- Reference regional and global hazard/risk models
- Basis for multi-hazard risk assessment (e.g. previous experience in GAR)









- Seismic source (probability and modeling) interface with GEM etc needed
- Non Seismic source (probability and modeling) interface with GVM, (ICL, S4Slide)
- Tsunami (probability and modelling)
- PTHA (seismic and non-seismic → landslides and volcanoes)
- Vulnerability and fragility
- Probabilistic Tsunami Risk Assessment
- Uncertainty treatment and feasibility
- Standards and guidelines for tsunami hazard and risk quantification
- Unified code interfaces harmonization
- Dissemination and geoethics (standardized review process transparency – uncertainty communication)









Interested? (further info, joining, support)

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