



# Future Activities

The following slides feature questions and answers regarding GEM's future activities discussed during the launch of GEM's global products, which took place on the International Day for Disaster Risk Reduction in 2023.



# Any there plans to create a global time-dependent seismic hazard map?

It's very difficult in the short term. We do not have a plan to create a global time-dependent model. As explained in the presentation we are currently developing models for selected areas.



# Can we expect a liquefaction model at the global level to be out soon from GEM?

See video for live answer



# Is there a plan or project for indirect loss including infrastructure damage, and business interruption?

That is exactly right. For the particular case of business interruption, we plan to release new functions already next year.



I understand GEM intends to expand its scope to earthquake secondary hazards which would require specific building vulnerability models say for liquefaction, landslide, and tsunami. I would like to know if GEM also plans to extend the vulnerability models for other structures such as roads and bridges, dams, etc..?

There is a lot of work being done in this area. You can contact Vitor Silva ([vitor.silva@globalquakemodel.org](mailto:vitor.silva@globalquakemodel.org)) or Catarina Costa ([catarina.costa@globalquakemodel.org](mailto:catarina.costa@globalquakemodel.org)) for more information.



## About the economic losses - will you consider also the monumental heritage?

The issue is on the vulnerability, given that typically each structure is unique. We have done some work only for UNESCO sites in Europe, but it was only highlighting sites of particularly high risk. Currently, we do not have a plan to include cultural heritage at the global scale.



# What is your vision for the future of GEM?

See video for live answer