Sprint 28 1906-02

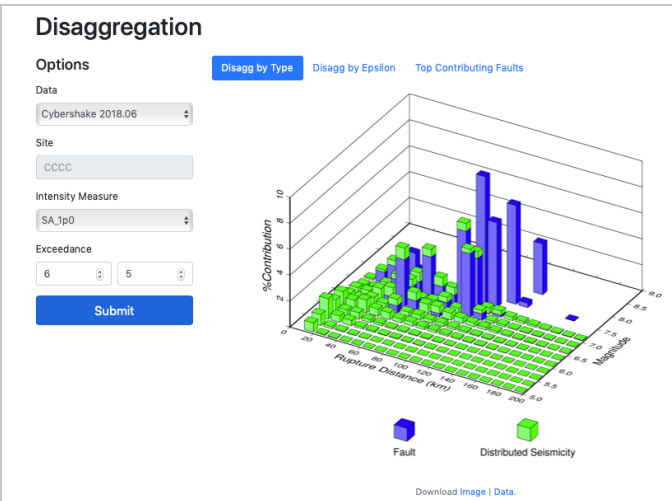
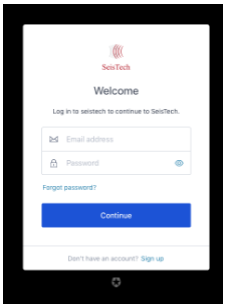
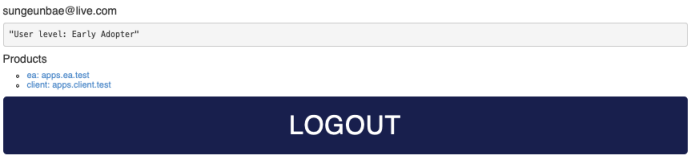
Overview

Duration: 24 Jun - 5 Jul

completed	in progress	on hold	review	to do
47	6	2	4	4

(vs record 61 completed sprint 19)

Epic	Story	Owner	Deliverables	Link
Validation	Help Sarah /Robin as needed			
Cybershake	Complete CS19p5 Cybershake pseudo validation	Jonney	Simulations of Hossack, Alpine and Moonshine to compare 5.4.5.1 & 5.4.5.2 And a point source with VM >250 km to see the path duration cap in practice.	
Slurm Workflow	1. Complete SRF2Stoch to use target-dx /dy and comparison 2. Refactor pre-processing / install (low priority) 3. Tidy up workflow script for IM_plot & plot_stations 4. create workflow for plot_srf_square & plot_srf_map 5. Test extended DEM (ethans changes)	1: Jason 2: James 3-4: Melody	1. Done - Can only use target dx and dy for point sources (doesn't matter), finite faults and single segment type 4 ruptures. As HF can only have one dx per stoch file. 1b. Fininte Fault Rounding in NHM2SRF - if the fault is larger than Mw7.5, then round to the nearest 500m otherwise round to the nearest 100m. Minor to no changes for IM plots. 2. Feature branches for pre-processing and install refactor created. a)Database installation refactor complete. b)Installation refactor, srfinfo2vm refactor and nhm2srf refactor mostly done. Minor changes required to each. Workflow integration waiting on these changes. i. Need discussion about potential Data directory refactor 3 & 4: workflow scripts for IM_plot & plot_stations , plot_srf_square & plot_srf_map created and tested. Currently under review regarding python2 & 3 environments. 3 &4 To do: Update plot_stations.py & plot_srf python scripts to python3 5) Simulation work fine. Uncovered an issue with sim duration for large offshore ruptures.	2) Pre-processing and installation refactor Cybershake data directory structure

SeisFinder	Implement skeleton business layer with different target groups Separating a standalone Disagg app	Viktor, Sung	Can produce separate Hazard curves before merging into ensembled one Disagg web app completed (site location is hard-coded) Portal framework is completed with access control To dos: Integration test of Disagg web app and portal framework: confirm functionality and access level control Design/implement site selection + project + user dashboard	   
Test				
~~IM_Calc~~	Prepare advanced-IM run?	Jason	Have the code from Vahid. Just getting it ready. Looking to do a small magnitude point source run with only <10 stations.	
Bug fixes	srfinfo2vm rake issues for multi segment faults with multiple rakes	James	Fix implemented. May need to create a more in depth one if issues arise.	
Seismic risk	Infrastructure data points for LS /LIQ for Kaikoura, Darfield & ChCh	James	Completed, submitted to Liam	
Misc	Run Hik Subduction + GMSimViz (low priority) QCAM Poster abstracts	Jason / Sung	Hik Subduction LF all done. HF needs investigation. Abstracts all done	