

SW Team 2022 Q4 planning

Sorted by requester

Requested features

- Felipe
 - Ability to run large number of OpenSees soil column jobs
 - Ability to run BB step with and without vs30 based site amp
- Jason
 - 100m CS South Island
 - Running on kisti
 - VM perts done, need to run REL01 for all, then proceed
 - 400m CS whole country
 - Running on Kisti
 - Partially done, but issues
 - 50m Canterbury
 - Running on NeSI
 - Darfield broken and needs a re-run
 - North Island partial CyberShake run
 - NeSI or Kisti, fault count dependent on platform
 - Large magnitude 100m re-run
 - VM version 2.07
 - Min PGV set to -1
 - BB flag to allow different sim duration to be merged
 - Killed_WCT not marked as failed state, can't create new 'created' task
 - Tweak Kisit IM_calc CH factor (Deprecated by MPI IM_calc)
- Sarah
 - Jupyter on Hypocentre
 - Automated VM gen for median realisations
 - Custom site amplification functions
- Vahid
 - More advanced IM models to be added
 - Need to use CS ground motions with advanced IM models
- SW team
 - MPI IM_calc
 - Automated SRF generation
 - Median realisations

Proposed timeline

Completed

- Felipe
 - Ability to run large number of OpenSees soil column jobs
 - Ability to run BB step with and without vs30 based site amp
- Sarah
 - Jupyter on Hypocentre

3 month window

- Jason
 - 100m CS South Island
 - Running on kisti
 - VM perts done, need to run REL01 for all, then proceed
 - 400m CS whole country
 - Running on Kisti
 - Partially done, but issues
 - 50m Canterbury
 - Running on NeSI
 - Darfield broken and needs a re-run
 - BB flag to allow different sim duration to be merged
 - Killed_WCT not marked as failed state, can't create new 'created' task
 - Tweak Kisit IM_calc CH factor (Deprecated by MPI IM_calc)
- Sarah
 - Automated VM gen for median realisations
 - Custom site amplification functions
- Vahid
 - More advanced IM models to be added
- SW team
 - MPI IM_calc
 - Median realisations (Ties in with Sarahs VM gen request)

6 month window

- Jason
 - North Island partial CyberShake run
 - NeSI or Kisti, fault count dependent on platform
 - Large magnitude 100m re-run
 - VM version 2.07
 - Min PGV set to -1
- Vahid
 - Need to use CS ground motions with advanced IM models
- SW team
 - Automated SRF generation

12 month window