

Sprint 51 2006-01

Overview

Duration: 2 June - 12 June

completed	in progress	on hold	review	to do
64				

(vs record 77 completed sprint 50)

Epic	Story	Owner	Deliverables	Link
Validation	1) Re-run advanced IMS 2) Generate gcmt faults to find correct orientation 3) Srf generation Subduction specific behaviour for GCMT (Robin to add more info)	1) Jonney 2) James	1. still in progress 2. Plots generated and passed on to Robin	
Ground Motion DB	1) Ground Motion Extraction 2) Hikurangi Geometry 3) Tectonic Classification 4) Mw Reconciliation (comparison : John Ristau vs international dataset) 5) Comparison with VH2017	1) Viktor 2) James 3) Mike / James 4) ? 5) ?	1. ? 2. On hold for this sprint 3. Mike continuing	Hikurangi surface geometry
Cybershake	1) Running 200m sims LF only - on Maui (until Maui comm allocation uses 500k) Northern South Island 2) Empirical DS - DB calculation 3) Empirical / Cybershake / ratio hazard maps	Jason	1) 150k used on Comm00213 since start of June. Using ~10-15k a day at the moment. 500/~4500 realisations 2) Completed & plotted (with issues) need to investigate it.	
Slurm Workflow	1. Generalize hacks for KISTI 2. CH estimation based on linear regression 3. Integrate with pre-processing (starting with VM) - Separate db creation out of install - Create generic slurm for the rest of install, make install operate on each fault - Create a generic slurm for VM generation 4. Pre-processing - GCMT to realisation – add some conditional logic about tectonic type (Brendon / Robin to consult about conditional parameters) 5. Near-real time Simulation plan 6. Cybershake Workflow Improvements	1. James 2. Jason / Ethan 3. Jonney 4. James 5. Jonney 6. Jason / Jonney	1. Work mostly complete. Final tests on Kisti underway. Checks on tacc yet to begin. 2. ? 3. Deferred 4. 5. Done (from Jason side).	3. Adding Pre-processing into automated workflow
Workflow Calc	1) BA18 site amp	1) Jason	1) Started investigation. Read paper / code. Have done some quick scripting. Ready to do some testing.	
SeisTech	1. GM Selection for Empirical Integrate basic (single branch) empirical GMS 2. Automate documentation 3. Front-end	1. Daniel / Claudio 2. Background task (Jason) 3. Andy	1) Done (no testing)	Roadmap (scientific functionality list) Production - TODO (longer term tasks) Frontend
IM Calc				
Bug fixes				
Seismic risk				

Machine Learning	1. NN - GMM a. Spatial plots b. Add hypo-depth to NN GMM dataset 2. GM Classifier – see link	Claudio	1) Added (generalised) functionality for spatial map plotting. Currently supports IM residual maps, few others to be added. 2) Worked on validation & PhaseNet evaluation with Mike, 70-80% done in terms of integrating PhaseNet as p-wave picker (will allow multiple	
Empirical engine				
Vs30		Viktor		demo video on slack http://hypocentre:5088 documented github page
Misc	1. SimAtlas simulation+animation: a. Batch 5 - keeping continual work 2. Data management policy a. (classification of data importance) b. Plan to incorporate this as part of business as usual – what data do we need to keep and what can be regenerated as needed 3. NoisePy 4. Velocity Model basins 5. Dashboard a. Add comm00213 as a separate allocation b. Changes of storage (TB): With Fortnightly update info added c. Zero point at the start of the allocation (graph doesn't start midway) 6. Vs30 Server	1. Sung/ Jonney 2. Sung 3. Viktor 4. Jason 5. Sung 6. Viktor	1. Running 2. Automated management code done. 3. on hold 4. - 5. (a) done, (b-c) to be done 6. Done	