

# Sprint 31 1908-01

## Overview

Duration: 05 Aug - 16 Aug

completed	in progress	on hold	review	to do
52	7	5	3	20

(vs record 61 completed sprint 19)

Epic	Story	Owner	Deliverables	Link
Validation	<ol style="list-style-type: none"><li>1. Help Sarah/Robin as needed</li><li>2. Plan for finite fault uncertainties</li><li>3. Script to add source specific parameters to sim_params.yaml</li></ol>		<ol style="list-style-type: none"><li>1. Assisted with hf_sim debug. Added print output on Exception to allow easier HF debugging in future</li><li>2. Implemented, requires testing</li><li>3. Deferred</li></ol>	
Cybershake	<ol style="list-style-type: none"><li>1. Analyse faulty HF CH and talk to NeSI</li><li>2. Estimation of subduction (HF/LF/BB) in CS with 2km/8km stoch</li><li>3. Investigate increasing stoch dx automatically at certain area thresholds</li><li>4. Empirical validation</li><li>5. Investigate HF thread downtime</li></ol>	<div>Jonney</div> <div>James</div>	<ol style="list-style-type: none"><li>1. -</li><li>2. Estimated and delivered - not going to simulate currently</li><li>3. Deferred</li><li>4. -</li><li>5. Investigation completed, task distribution method changed. Case study realisation had 84% reduction in idle core hours.</li></ol>	<a href="#">5) HF task distribution inefficiency</a>
Slurm Workflow	<ol style="list-style-type: none"><li>1. Refactor pre-processing / install (low priority)</li><li>2. Comparison of Shallow Crustal for genslip 5.4.2 and 3.3</li><li>3. Debug HF for Hikurangi simulation</li><li>4. Set VM boundary of 179.99</li><li>5. Pre-processing logging</li><li>6. meta data not logged for disrupted runs</li></ol>	<div>Jason</div> <div>James</div> <div>6. Melody</div>	<ol style="list-style-type: none"><li>1. Deferred</li><li>2. Deferred</li><li>3. Deferred (plan to run on mahuika)</li><li>4. Deferred</li><li>5. Implemented, waiting on type 2 source uncertainty to be merged first</li><li>6. Adding functionalities to queue_monitor to log metadata for completed run when run is disrupted</li></ol>	
SeisTech	Jason/Claudio to complete	Viktor, Sung, Claudio, Jason	Generic calc package – Done Framework refactor – Done/In review Hazard refactor + synthetic/benchmark tests – Done/In review Disagg contributions refactor + synthetic/benchmark tests –In review Disagg mean + synthetic tests – In progress (almost complete)	
Test				
IM_Calc	<ol style="list-style-type: none"><li>1. Liase with Vahid</li><li>2. Fixes</li><li>3. Adv IMs in workflow</li></ol>	Jason	1)	
Bug fixes	IM_calc marked as complete in mgmt_db even though had import errors	Melody	<ol style="list-style-type: none"><li>1. Fixed, now correctly checking output file existence</li><li>2. Also centralized functionalities to getting output file location</li></ol>	
Seismic risk	<ol style="list-style-type: none"><li>1. Investigate results</li></ol>	Jason	1) Liam requested a meeting w/ Brendon & myself	
Empirical engine	<ol style="list-style-type: none"><li>1. New models (ask, bssa, cb, cy, bch)</li><li>2. RX</li><li>3. RTVZ</li></ol>	Viktor		

Misc	<ol style="list-style-type: none"> <li>1. Annual meeting posters</li> <li>2. Add licensing to all our public repos</li> <li>3. Simulation Atlas</li> <li>4. Sim vizualisation for Hikurangi</li> </ol>	<p>Sung</p> <p>Melody</p> <p>Jason/Sung</p>	<ol style="list-style-type: none"> <li>1. Reviewed (to be revised)</li> <li>2. Done</li> <li>3. 132.181.70.75:5000 <ol style="list-style-type: none"> <li>a. Color-changing Fault planes with top/bottom &amp; fault info</li> <li>b. Automated data api to upload youtue videos</li> <li>c. Fault info database set up</li> </ol> </li> <li>4. Code fixed, running. Est. 5 days</li> </ol>	
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Jason Motha Claudio Schill Anything on OpenSHA??