

Sprint 1

QSW Sprint 1

Status Report

Completed Issues

[View in Issue navigator](#)

Key	Summary	Issue Type	Priority	Status	Issue Count (3)	
QSW-3	Hazard maps improvements&calculations	blocked URL Story	blocked URL Medium	DONE	1	
QSW-6	Identify HF scalability issue (and improve)	blocked URL Story	blocked URL Medium	DONE	1	FORTTRAN code taking 9 mins/station. Computationally expensive.
QSW-11	Binary format for BB	blocked URL Story	blocked URL Medium	DONE	1	BB Binary workflow

Issues Not Completed

[View in Issue navigator](#)

Key	Summary	Issue Type	Priority	Status	Issue Count (7)	
QSW-1	Automated VM/SRF generation on Kupe	blocked URL Story	blocked URL Highest	IN PROGRESS	1	Achievements •Latest version of GMT was ported to Kupe •nhm2srf, nhm2vm codes are modified to suit HPC environment •SLURM codes are auto-generated for nhm2srf, nhm2vm •GCMT -> SRF, SRF info->VM •Automated test: Compares SRF, VM with Hypocentre To do •Integration •GCMT->SRF, SRF info->VM not tested on Kupe •Library dependency etc. needs tidy up for clean automation •Automatic check for VM integrity : Code is there. •Above not fully tested....
QSW-4	Cybershake 18.4 & 18.5 archive	blocked URL Story	blocked URL Medium	TO DO	1	Data Archives (Only needs to finish up packaging)
QSW-5	Automated cybershake job submission	blocked URL Story	blocked URL Medium	TO DO	1	Slurm MGMT Database Interface Manual workflow is ready: full automation to be done
QSW-7	Improve non-ergodic codes	blocked URL Story	blocked URL Medium	TO DO	1	
QSW-8	Separating IM databases	blocked URL Story	blocked URL Medium	TO DO	1	
QSW-9	IM calculations on Kupe	blocked URL Story	blocked URL Medium	TO DO	1	
QSW-10	IM processing refactoring (GMPE, waveform plotting)	blocked URL Story	blocked URL Medium	TO DO	1	

To Improve

- Better Sprint planning : High level discussion + electing domain experts for detailed group discussion/planning (1hr) followed by group discussion /planning (2hr)
- JIRA Story > Task instead of Story > subtasks for better burndown chart