Sprint 43 2002-01

Overview

Duration: 10 Feb - 21 Feb (10 days)

completed	in progress	on hold	review	to do
29	6	2	5	14

(vs record 61 completed sprint 19)

Epic	Story	Owner	Deliverables	Link
Validati on		Robin		
Cybers hake	 Capability for HF / HF calculation time estimate Plan pre-production testing 	Claudio /Jason /Sung		Cybershake v20p4 Pre Production Testing
Slurm Workflow	 Integrate HF 6.0.3 into the workflow HF Rayset default off GeoNET code Python3-ize (LP) Workflow change: HF to run separately (test) Inform RGraves of the changes to HF Remove restart files/ Unzip restart Automated workflow for empirical 	Sung Jason Jonney	 Done Done Jason (background) In-progress (successfully ran HF on hypo and HF2BB on Maui) Done Done Done Jason(?) 	
SeisTech	 UHS plots for different number of periods (background) Update context map and vs30 map. vs30 verification GM selection linking Daniel's work Performance enhancement (Empirical MPI) (low- priority) Caching of results Add support for only exposing certain regions on seistech Logging, specifically logging code version used Make frontend usable (i.e. remove major bugs) Identify workflow / usage for API / seistech documentation 	Claudio, Jason, Daniel	 Periods identified Were already up to date Done Initial integration complete, more refactoring to be done (and integrating last missing plot) Complete and verified with a run on Epi/hypocentre Complete On-hold - will do through API-proxy Code version appended to logs Local version created. Will be hosted on github- pages. 	1) pSA periods Roadmap / TeamGantt 3) user vs30 modification
Vs30 porting	Viktor to break down tasks and time estimate (1) Vs30 Weighting			vs30 modifications
IM Calc	 Convert and add Elastic/Inelastic IM Contact Jae for theoretical test Re-running Adv IMs (Fix required) 	1) James 2) Jonney	 MATLABPythonCython (Waiting on tests) (on hold) Done 	IM Calculation

Bug fixes				
Seismic risk				
Machin e Learning	 NN - GMM Implement an initial basic pipeline with some NN config + flexible feature selection & preprocessing GM Classifier 	Claudio	 Not worked on this sprint, ~1-2 days away from having some initial results As per discussion, working on implementing clean training process in a new repo. Feature/Metric extraction from records complete (requires testing), need records from Robin 	
Empiric al engine	 Filter median empirical aggregations (+manual selection) 	Jason James	(on hold) waiting on Verification Empirical Workflow	
Misc	 SimAtlas simulation+animation: Test auto workflow with batch 4. (total 100 faults) Talk to Cloud vendors HF 6.0.3 verification 	Sung Jonney Viktor	 Up and running Meeting with AWS solution architect to be arranged. Found potential solutions from AWS and Azure 6.0.3 with binmod same as new CPU version, normal IM distribution around CPU mean for GPU version. 	SimAtlas simulation+animation https://azure.microsoft.com/en- us/services/app-service /containers/ https://aws.amazon.com/ecs/