

Sprint 42 2001-02

Overview

Duration: 27 Jan - 7 Feb (9 days, Waitangi Day Feb 6th)

| completed | in progress | on hold | review | to do |
|-----------|-------------|---------|--------|-------|
| 36 | 5 | 4 | 2 | 15 |

(vs record 61 completed sprint 19)

| Epic | Story | Owner | Deliverables | Link |
|------------------|---|--|---|-------------------------------------|
| Validation | <ol style="list-style-type: none">Run validation with new IMsComplete Stampede2 workflow | James | <ol style="list-style-type: none">Done, im plots passed to Robin for verification | |
| Cybershake | <ol style="list-style-type: none">Provide Karim access to results | Claudio / Jason / Sung | <ol style="list-style-type: none">Waiting to hear back from Karim | |
| Slurm Workflow | <ol style="list-style-type: none">Integrate HF 6.0.3 into the workflowHF Rayset default offGeoNET code Python3-ize (LP)Workflow change: HF to run separately.Inform RGraves of the changes to HF | James, Viktor | <p>New HF matches CPU output, GPU version normal around IM values.</p> <ol style="list-style-type: none">Started by Jason - Pull request merged from Robin. about 1 hr of work left.Draft written - Viktor to finalize | HF CUDA Conversion |
| SeisTech | <ol style="list-style-type: none">UHS plots for different number of periods (background)Update context map and vs30 map.vs30 verificationGM selection linking Daniel's workPerformance enhancement (Empirical MPI) (low-priority)Support basic login functionality (using Auth0)Caching of resultsAdd support for only exposing certain regions on seistechLogging, specifically logging code version usedMake frontend usable (i.e. remove major bugs..)Performance improvements to seistechContractor initial TODO brainstorming | Claudio, Jason, Daniel | <ol style="list-style-type: none">No progressNot doneDone for the basic site-fault adjustment factor. Waiting to discuss with Brendon.Not doneNot doneDoneIn progressNot doneNot doneDoneDone, no parallelization as the overhead actually appeared to make it run slower. However, was able to improve the performance significantly with a couple of tweaks. Everything now runs in < 1 min for the v19p11temp ensemble.Done, Contractor initial todo - brainstorming | Roadmap / TeamGantt |
| IM Calc | <ol style="list-style-type: none">Convert and add Elastic/Inelastic IMContact Jae for theoretical testChange IM writer to use a dataframe (Required by inclusion of RotD components) | <ol style="list-style-type: none">JamesJonney | <ol style="list-style-type: none">Deferred?Done | IM Calculation |
| Bug fixes | | | | |
| Seismic risk | | | | |
| Machine Learning | <ol style="list-style-type: none">NN - GMM<ul style="list-style-type: none">Implement an initial basic pipeline with some NN config + flexible feature selection & preprocessingClaudio to get familiar with classification N-net | Claudio | <ol style="list-style-type: none">Have further improved the training process and started on adding code for evaluation, need ~1 day before I should have some resultsNeed the source code | |
| Empirical engine | <ol style="list-style-type: none">Filter median empirical aggregations | Jason James | Deferred | |

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| Misc | <ol style="list-style-type: none"> 1. Sbatch : push and enforce (low priority) 2. SimAtlas simulation+animation: <ol style="list-style-type: none"> a. Google Doc API quota issue. b. Test auto workflow with batch 4. 3. e2e test on KISTI 4. Vs30 investigation 5. Talk to Cloud vendors 6. Finding a contract developer | <p>3/5/6. Sung</p> <p>James</p> <p>1/2. Jonney</p> <p>4. Viktor</p> | <ol style="list-style-type: none"> 1. Deferred. (Is core hours allocation policy maintained ok?) 2. (a) Fixed (b)??? 3. Fixed most issues except TensorFlow. Trial allocation ended. CMake more reliable 4. ?? 5. Waiting for reply - will follow up 6. In progress | <p>SimAtlas simulation+animation</p> <p>vs30 modifications</p> |
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