

## Overview

| completed | in progress | to do |
|-----------|-------------|-------|
| 32        | 3           | 0     |

| Epic                      | Story                                                                                                                                                                                                            | Owner                     | Deliverables                                                                                                                                                                                                         | Link                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SeisFinder                | 1. Plan user-level access control<br>2. Plan AWS hosting<br>3. Implement basic web interface                                                                                                                     | Viktor<br>Karim<br>Sung   | Detailed plan for user-level access and prototype<br>Cloud pricing : depending on empirical data<br>Web interface completed and running on Hypocentre, capable of hazard and deagg calculation, displaying the plots | <a href="#">Planning User-class access control</a><br>Cloud pricing <ul style="list-style-type: none"> <li><a href="http://calculator.s3.amazonaws.com/index.html">http://calculator.s3.amazonaws.com/index.html</a></li> <li><a href="https://azure.microsoft.com/en-au/pricing/details/virtual-machines/linux/">https://azure.microsoft.com/en-au/pricing/details/virtual-machines/linux/</a></li> </ul> SeisFinder2 website deaggregation<br><a href="http://hypocentre/seisfinder/site">http://hypocentre/seisfinder/site</a> |
| SimWorkflow               | 1) Cybershake 18p6<br>a) Run all Cybershake v18p6p1<br>2) GM Sim Versioning<br>a) Params (py to yaml)<br>b) Version templates created<br>c) Install specifies a version template to use                          | Melody<br>Jason<br>Jonney | Introduces the usage of YAML as new format of saving parameters.                                                                                                                                                     | <a href="#">re-running cybershake v18p6</a><br><br>GM Sim Versioning<br>4. Create dummy templates for each level of yaml and adjust the cubershake install wrapper<br>Files to tar or keep at the end of cybershake submission                                                                                                                                                                                                                                                                                                    |
| WCT Estimation + Metadata | 1) Completed WCT estimation for LF /HF/BB<br>2) Worked on estimation of lots of simulations (LF - done, HF/BB - minor code change required + testing)<br>3) IM calc estimation + metadata collection improvement | Claudio                   | WCT estimation<br>Changed manual workflow to python3<br>Improved metadata collection                                                                                                                                 | <a href="#">WCT estimation + metadata collection</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|         |                                                                                                                             |                                                    |                                                                                                                                                                                                                                                                                                                                          |                                                                                               |
|---------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Misc    | <p>1) Simulation animations on Mahuika</p> <p>2) Installation / VM validation changes</p> <p>3) Plan SRF gen randomness</p> | <p>Jason</p> <p>Viktor<br/>/Claudio<br/>Melody</p> | <p>1) Currently running sample animation for each fault.</p> <p>2) Checks VM during install and number of SRF files correspond to the number of realisations. Also VM extent verification with the NZ DEM.</p> <p>3) Planned to start with Mw, sdrops and fvfrac then extend</p> <p>4) Bug fix incorrect location of IM ch_log files</p> | <p>3)</p>  |
| Backlog | 1) Metadata analysis                                                                                                        |                                                    |                                                                                                                                                                                                                                                                                                                                          |                                                                                               |