**Mantid Programme Board - Epic status update: June 2024**

*The Mantid Programme Board meets every quarter to review the priorities of Mantid projects:*

* *Being considered for implementation, or;*
* *Which have delivered the minimum viable product (MVP), or;*
* *Are delivering MVP only by exception.*

*Resource is allocated by the Mantid team lead on the basis of these priorities, staff availability and stakeholder engagement. This may mean that lower overall priority Epics are resourced if higher priority Epics cannot be completed with the projected resources for the coming quarter.*

## Epics in Implementing (MVP)

**SS-29 Polarised SANS**: Work on the MVP has progressed well. There is one outstanding feature (changes to an agreed standard) which requires community discussion and agreement before it can be implemented. It was agreed this feature should not hold back completing the remainder of the MVP or a future decision to move to full implementation once the other MVP features were done.

## Epics moved forward from Implementing (MVP) to Done

**SS-24 Robust Bragg peak search algorithms**: The results of this Epic were presented and performance was felt to be sufficient for the MVP to be considered delivered. Ideas for further work around machine learning approaches exist, but were not felt to be sufficiently mature at the moment, and so this Epic has been closed as Done.

## Epics moved forward from Implementation (MVP) to Implementing (persevere)

**SS-26 Bragg peak integration algorithms**: The simpler case of non-overlapping peaks has been completed with performances within the stakeholder-specified acceptable limits. The remaining items not in the MVP are felt to add significant functionality which will enable analysis of more complex experiments and so this further work was supported with a High priority.

## Epics moved forward from Analyzing to Ready

**SS-48 Vesuvio scripts for calibrations & analysis**: Vesuvio is currently unable to use Mantid workbench at all (they are still using MantidPlot) and there are no tests within Mantid for their reduction workflow. For reasons of scientific validity and software stability this Epic, to bring them up to date and ensure future versions of Mantid remain compatible, was assigned a High priority (the highest of the currently ready epics). The further diffraction work was not seen as so urgent and will be reviewed on delivery of the MVP.

**SS-92 Profiling data loading workflows of Mantid**: This Epic, which cuts across ISIS Science Groups and potentially also the interests of partner facilities, could lead to significant speedups if bottlenecks can be identified and then fixed in future Epics. The potential for large gains does, however, need to be tensioned against the comparatively large 0.5-1 FTE of developer effort. It was felt to be important overall and assigned a high priority (#2 in the ready list).

## Epics moved back from Implementation (MVP) to Ready

**SS-16 OSIRIS Si Analyzer**: This work is currently blocked as the instrument team cannot provide the new detector geometry due to a lack of engineering effort. From the Mantid side it is “ready” but just cannot be implemented. The engineering project has very recently restarted and the hope is that it can be unblocked soon. Meanwhile it is assigned the lowest priority. This Epic will be reviewed at the next MPB.