Science Working Group Steering Committee

Google Hangouts meeting 2015.11.25 16:00-17:15

Attendees: Greg, Torkild, Jay
Absentees: Andrea, Matthew

The previous meeting was at 2015.10.21

Old business

EclipseCon Europe SWG Meeting

Jay is commenting on the [meeting notes](#).

Project updates

DAWNSci (Torkild) - Not very familiar with the project but can report on a new feature for developing plug-ins within DAWNSci.
(Matt) The NeXus HFD5 writing API has been added to DAWNSci by Matthew Dickie. This allows writable ILazyDatasets to be written by detectors in a legal NeXus format.

The dataset system itself was extended recently by Peter Chang to allow writing of data using the new SWMR API from the HDF5 Group (Diamond is helping fund this API and it is not ready yet for general usage but will be in the next release of HDF5)

PTP (Greg) - Not much to report. Last release was Mars.1 - a few Neon milestone builds. Bug fixing in the remote stuff, mostly.

Triquetrum (Jay) - About to accept the initial contribution. Quite a bit of code from Passerelle and Ptolemy. There's a brand new editor using Zest, EMF. Greg voiced a concern that there is no documentation on the architecture. Especially since there are interested parties that would like to work closer with the project. There is little documentation on Passerelle (what Triquetrum is borne out of).

Eclipse Advanced Visualization Project (Jay) - Slides have been submitted to Wayne & Mike asking for dual license. LocationTech may want to use this but only if there is dual license (EPL + EDL).

Eclipse ICE (Jay) - Going very well. JMonkeyEngine is being removed from ICE and replaced with JavaFX so that everything will pass IP review. Active training program. A 2.8.1 release outside of the foundation. A 2.2RC is being prepared through the foundation, paperwork is in order. Waiting for GO. The foundation is going through the IP, provenance for HDF5 is being established. Looking at web support using Broadway working with RedHat (Sopot Cela, Alex Kurtakov, Eric Williams).

ChemClipse (Jay) - No update. See EclipseCon Europe talks for the latest news.

Rich Beans - has now been provisioned by the foundation and the initial contribution has been submitted. Once the repository is assigned, Baha will be creating the rich beans web page.

IP Status for Existing Projects

We have 4-5 projects, only ICE and ChemClipse have reported all CQs. DAWNSci for instance rely on HDF5 but has not submitted a CQ. Jay will look at this and report status for the next meeting. Greg mentioned that this must be in order if we are ever going to have a top level project.

Top-level Science Project

Andrea is still looking into the proposal - not any progress yet.

Website Updates

Nothing to report from Torkild. Ask Wayne for permission to edit the Science Working Group project pages at https://projects.eclipse.org/wg/science/projects.

Also the main page is still hard to use. What options do we have. Ask Andrea.

New business

We need to put in a proposal for a Data Structures project, based on IDataSet. ICE's data structures can go into this too. Can be used by EAVP and other projects requiring advanced data structures.

It would be great if this API would be able to figure out how to make the data structures architecture aware, for instance using the GPU if present.

Peter Chang and Jonah Graham are proposed as project leads.