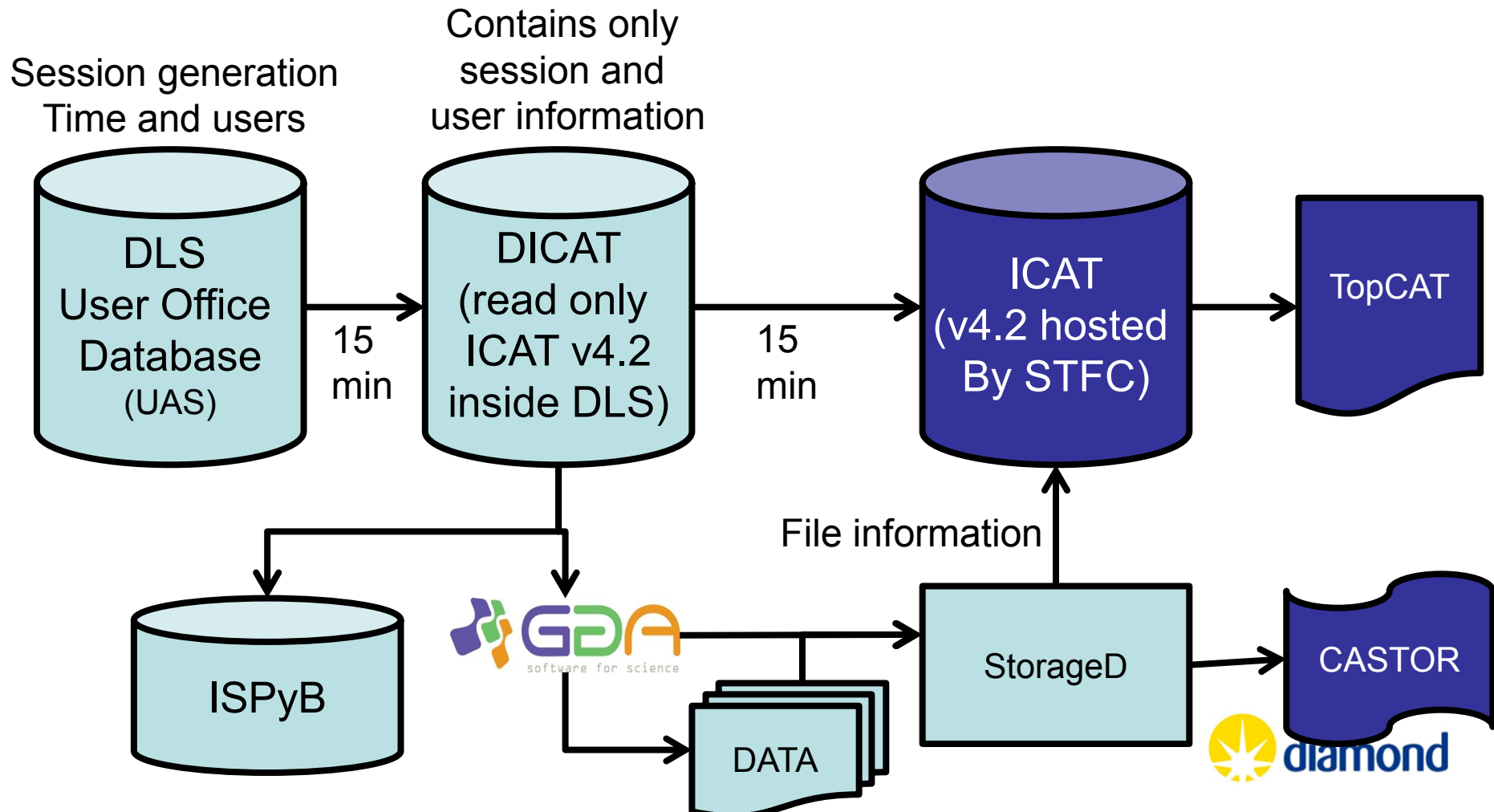


Diamond ICAT Status Report

Diamond migration from 3.3 to 4.2

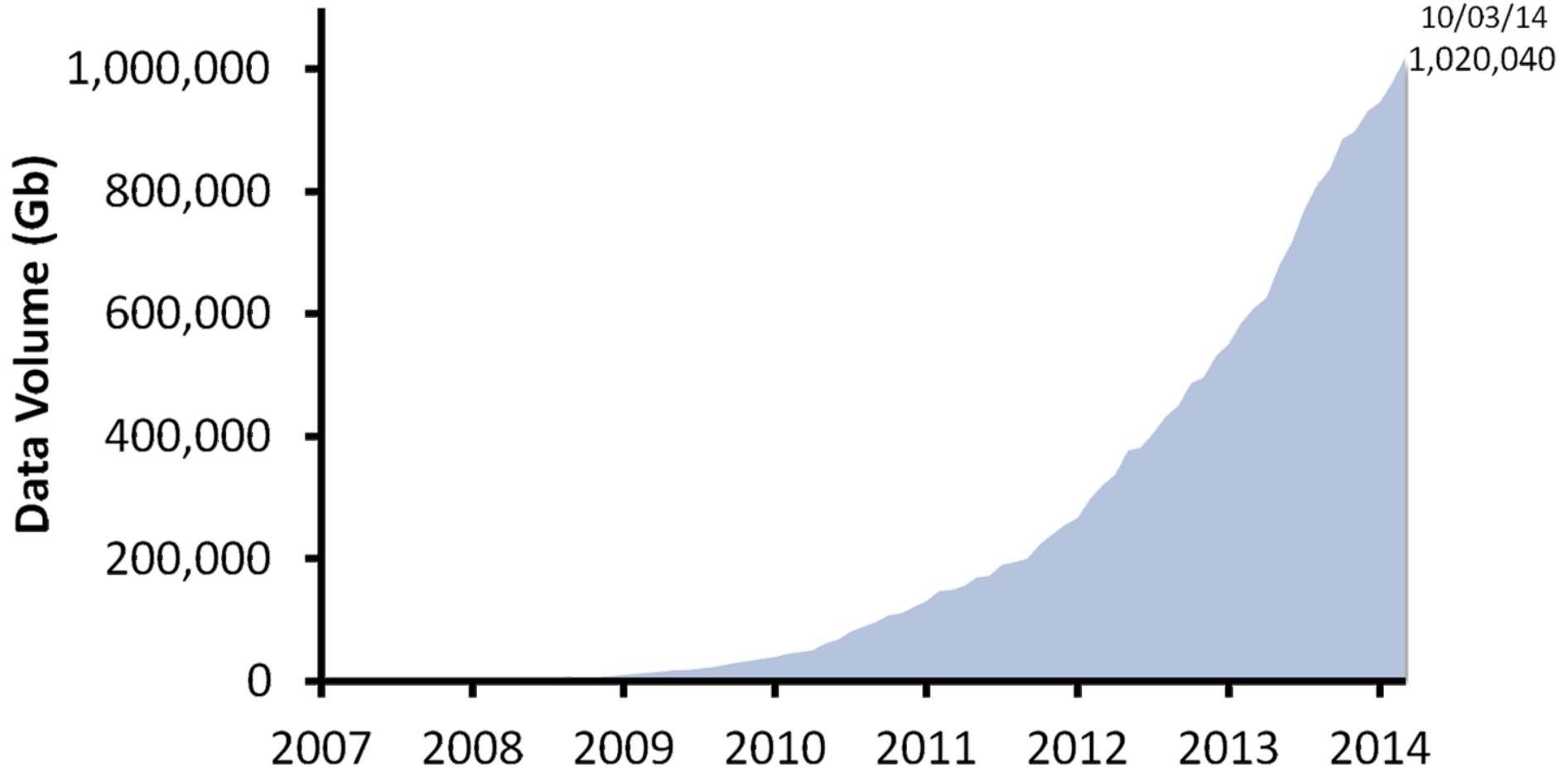
- Diamond will only be using ICAT 4.2 from March 28.



Current status/volumes in Diamond

ICAT = 285,198,074 files

Diamond Total Data



ICAT 4.2

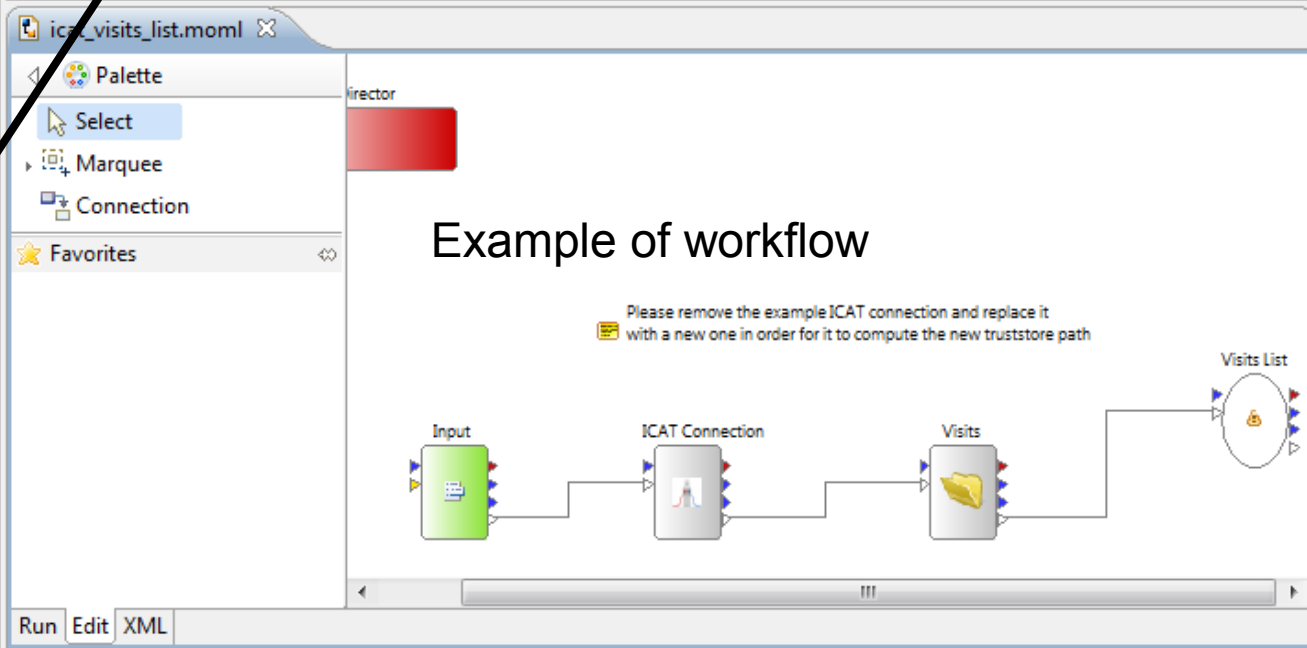
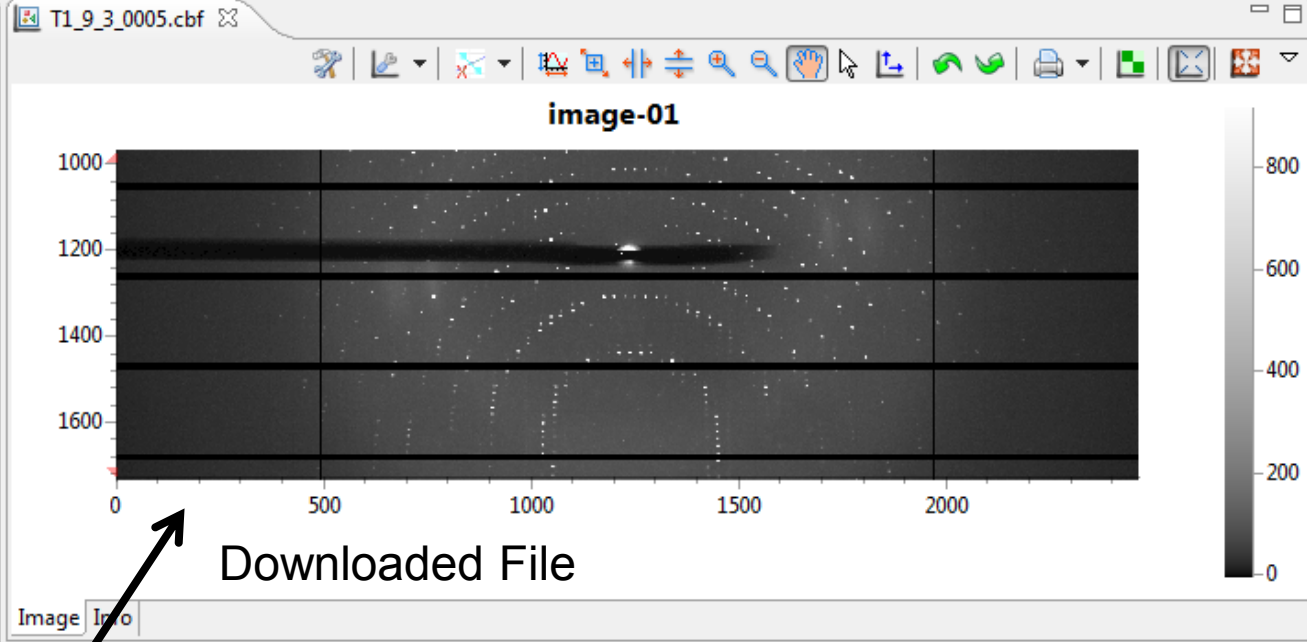
- Successfully integrated and used as source of current visit by
 - Data Acquisition framework in Diamond (GDA)
 - Automated session/visit directory structure generation
 - Projects in DAWN
 - Workflows in Passerelle/DAWN



Project Explorer

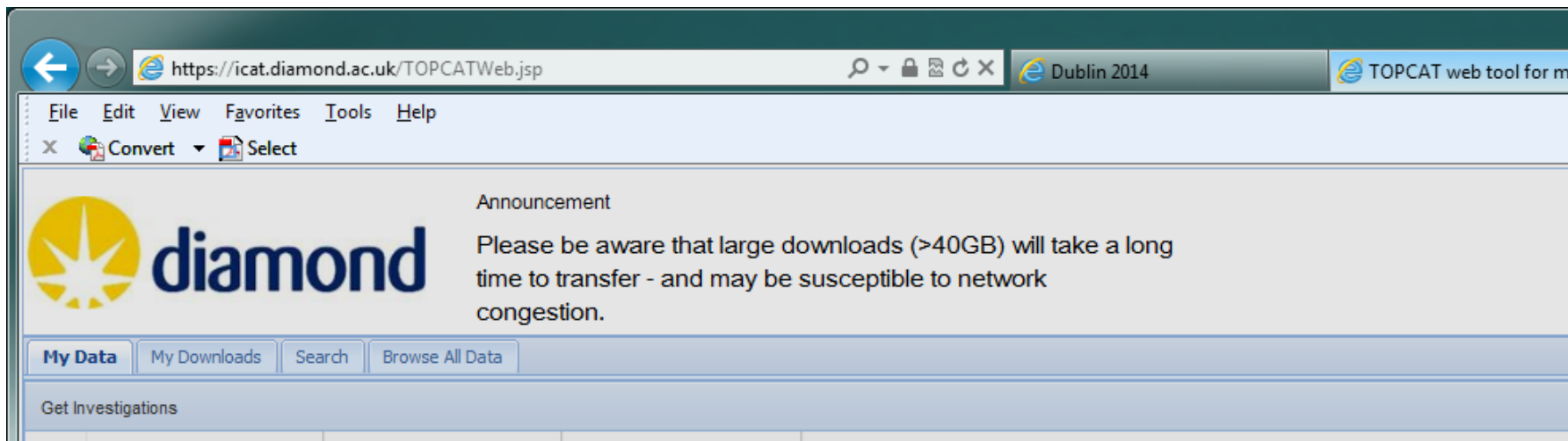
- data
- icat_test_vis-downloadedFiles
- ICAT-DLS-4.2
 - 2007
 - 2008
 - 2009
 - 2010
 - 2011
 - 2012
 - 2013
 - 2014
 - CM4949-1 i02 2014-01-01 2014-01-01
 - CM4950-1 i03 2014-01-01 2014-01-01
 - CM4952-1 i04 2014-01-01 2014-01-01
 - 20120221/beamstop
 - 20140117/Gluco
 - 20140117/glucose_iso
 - 20140117/mini_kappa/alignment
 - 20140117/mini_kappa/thaumatoin
 - 20140117/Thaum
 - 20140117/Therm
 - 20140117/thermolysin
 - 20140118/Gluco
 - 20140118/Thaum
 - 20140118/Thaum/inv
 - 20140118/Therm
 - T1_9_1_0001.cbf 5.9 MB 2014-01-01
 - T1_9_1_0002.cbf 5.9 MB 2014-01-01
 - T1_9_1_0003.cbf 6 MB 2014-01-01
 - T1_9_1_0004.cbf 7 MB 2014-01-01
 - T1_9_1_0005.cbf 5.9 MB 2014-01-01
 - T1_9_2_0001.cbf 6 MB 2014-01-01
 - T1_9_2_0002.cbf 5.9 MB 2014-01-01
 - T1_9_2_0003.cbf 5.9 MB 2014-01-01
 - T1_9_2_0004.cbf 5.9 MB 2014-01-01
 - T1_9_2_0005.cbf 6 MB 2014-01-01
 - T1_9_3_0001.cbf 5.9 MB 2014-01-01

↑ ICAT Project



Look out for....

- Cache for data coming off tape ready for download to user via ICAT/IDS
 - DLS now have multi TB cache.
- Increased the filename size in DB.
- Problems with users and the ‘dataset’ concept
 - “I know the filename and directory....”
- Data rates from site ‘improving’



Plans to migrate to 4.3

- None yet.

More details in...

- More details in RDA presentations....
- **PaNSIG Meeting Friday 28th 13:30-15:00**
 - Specific topics for future collaboration
 - Data analysis issues and frameworks - Alun Ashton / DLS
 -
- **Structural Biology IG Session *Thursday, March 27th, 13.30 -15.00***
 - ***Structural biology towards biomedicine and health***
 - 13.30 -13.50 Data management and processing pipelines at DLS Alun Ashton