
GENIUS @ Cambridge

Nicholas Walton

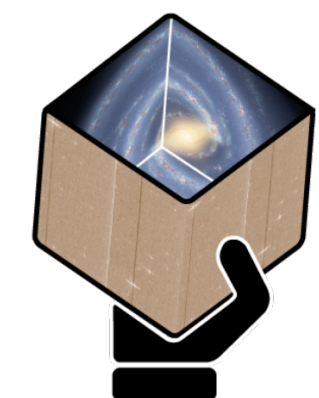
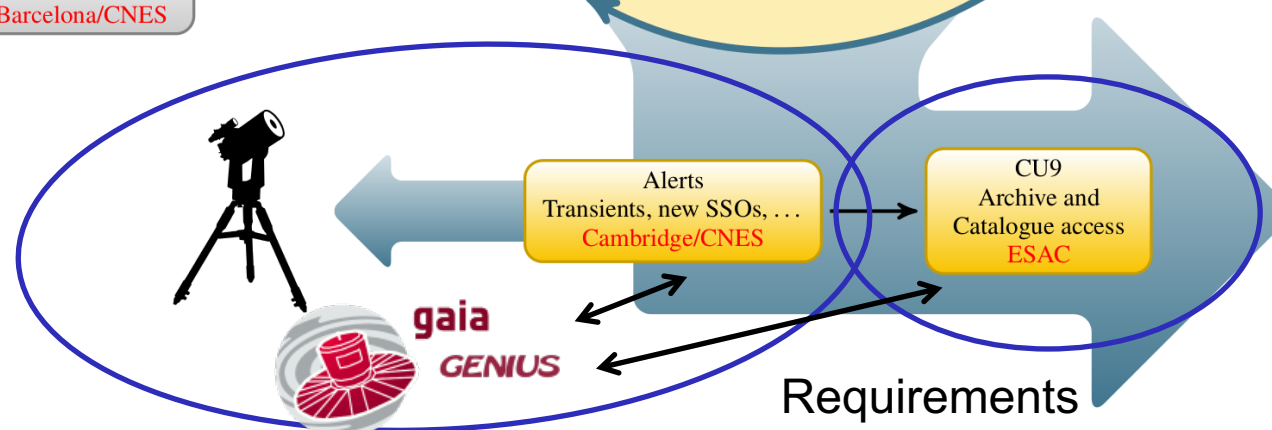
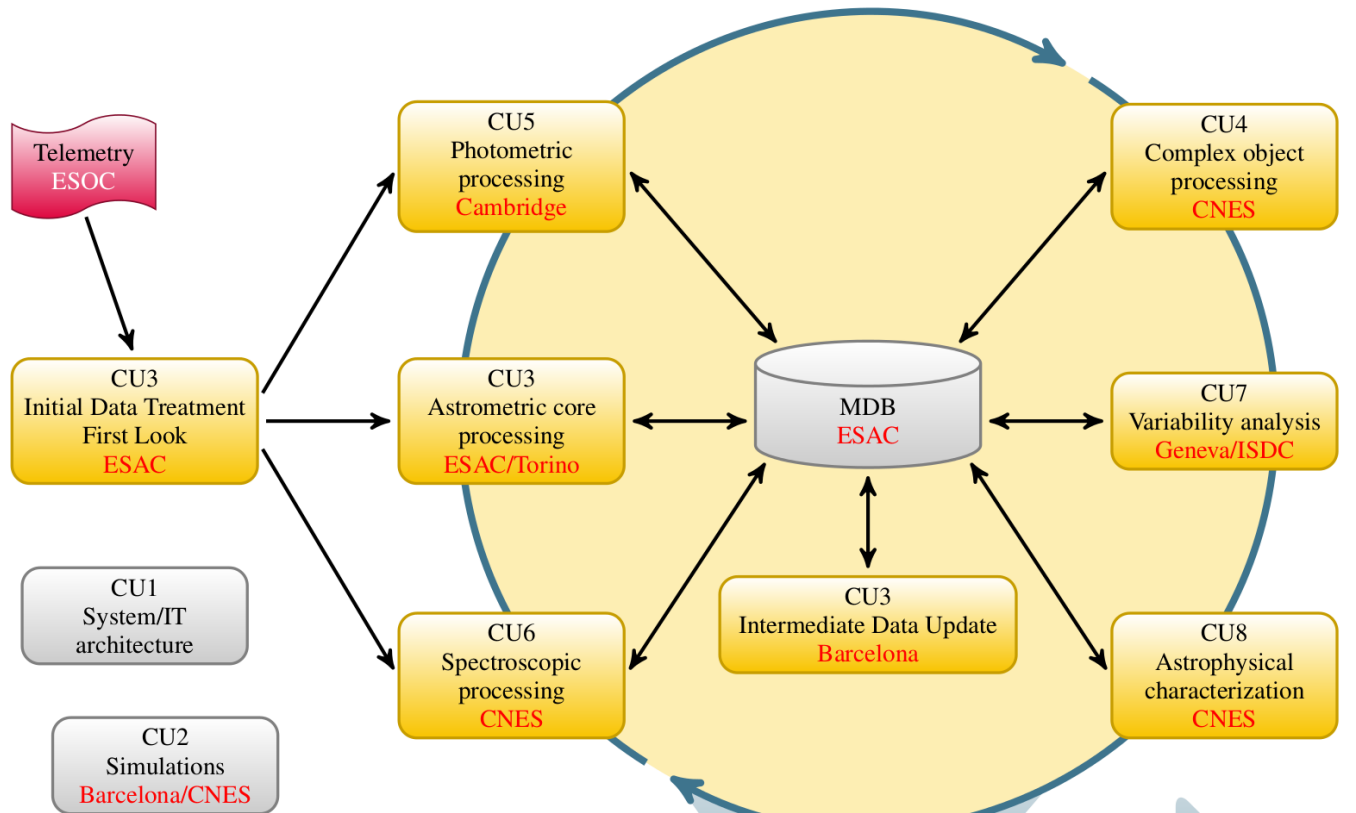
Institute of Astronomy
The University of Cambridge



UCAM GENIUS Involvement

WP220 & WP630

Upstream -----> Downstream



WP220: GREAT and Gaia Data Access

Setting requirements: worked with UL

- Community input into the data access design process
 - Via Great wiki:
<http://great.ast.cam.ac.uk/Greatwiki/GaiaDataAccess>
- Input received used in the scoping and development of the Gaia data access and archive systems
 - Defined in Brown et al: [GAIA-C9-TN-LEI-AB-026](#): Data Access Scenarios
 - Examples of science usage as to how the Gaia data might be used and how it will be accessed
- GENIUS activity focused on assessing usage scenarios, ranking these and checking Gaia archive performance against the requirements. [D2.1/2.5]

WP630: Science Alert Publishing

12SM: science alerts integrator [D6.2/6.4/6.6]

Developed science alerts testbed

<http://gsaweb.ast.cam.ac.uk/alerts/>

Wide community usage

Science alerts to be packaged and released in Gaia DR3



Alerts

The table can be sorted by Name, UTC timestamp, RA, Dec and AlertMag - click column heading to sort.

Columns:

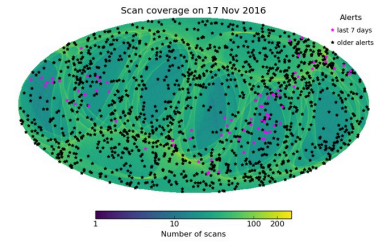
Name	UTC timestamp	RA	Dec	AlertMag	HistMag	HistStdDev	Class	Comment
Gaia14ade	2014-11-11 08:25:59	357.71672	28.98319	17.78	19.30	0.13	unknown	very blue star: CV?
Gaia14add	2014-11-11 04:44:38	182.15532	11.99387	17.70	18.71	0.04	unknown	QSO at z=0.36. Brighter of 1 mag



Gaia Photometric Science Alerts

To browse the alerts published so far, please see the Alert Index tab. The table provides links to the per-source alert pages, including lightcurves and BP/RP spectra.

STATUS: Operational. Now you can receive alerts on your phone or tablet. Get the IOS app at [AppStore](#)



If you publish any results based on these Gaia discoveries, we would appreciate an acknowledgement along the lines of: We acknowledge ESA Gaia, DPAC and the Photometric Science Alerts Team (<http://gsaweb.ast.cam.ac.uk/alerts/>).

