Edinburgh Activities

- Science Ready Archives
- Virtual Observatory
- Key Projects
- Current Interests

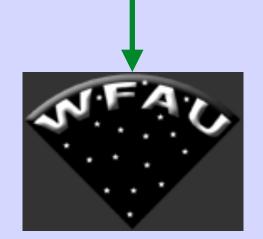












Science Ready Archives

- Large queryable databases
- Images, catalogues, spectra
- Beginners and power-users



Millions of queries run
Billions of rows extracted

Primary archives: SuperCOSMOS, WFCAM, VISTA, OmegaCam

Secondary x-matched archives: many, including SDSS, 2MASS, NVSS, XMM, IRAS etc



Andy Lawrence, Keith Noddle, Mark Holliman, Dave Morris, Stelios Voutsinas

integration with VO with archives





- lead Institution for AstroGrid
- key IVOA interests:
 Exec/policy, Registry, DAL, VOSpace
- core partner in Euro-VO esp. Tech Forum and IVOA input
- Astrotrop: technology sharing with tropical forest community



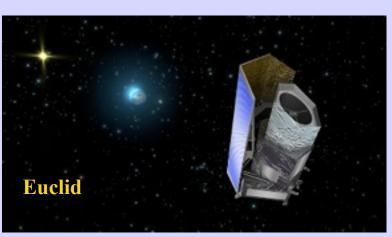
Key projects



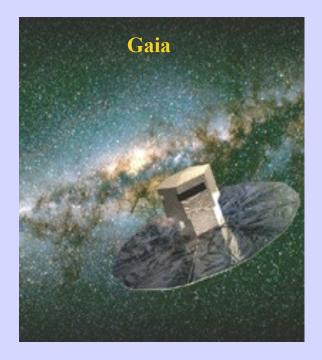












Current interests

- Faster queries with column-oriented DBMS
- User interfaces for time domain astronomy
- Better VO integration / flexible interface
- Distributed querying and cross-match
- Cloud data services (MyDB etc)
- Executing user code

Crossmatch in the cloud

