

UK involvement in the Rubin LSST

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LSST:UK Project Leader



UK involvement in the LSST

LSST:UK
Consortium

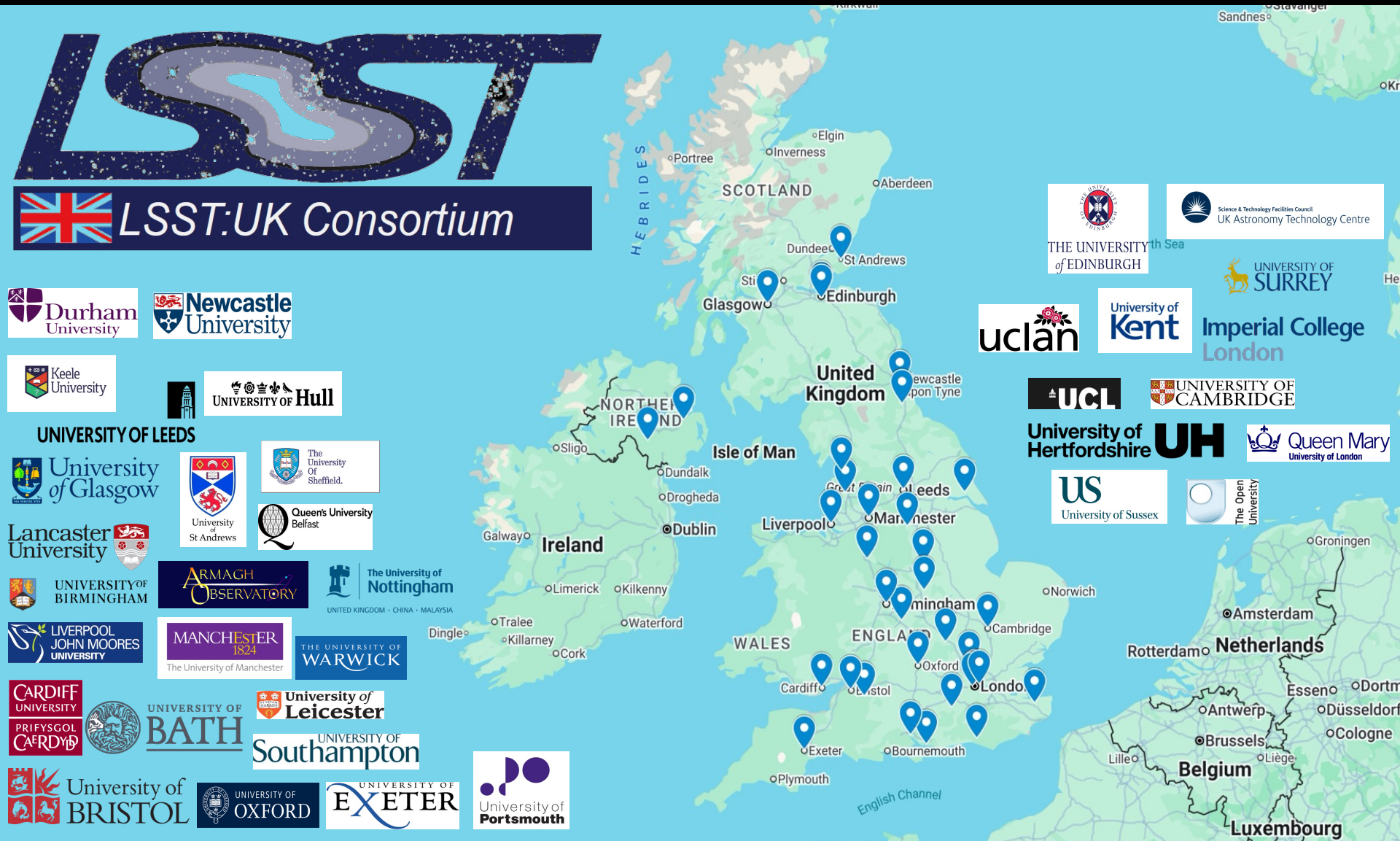


Defines the
priorities for...

Earns data
rights for...

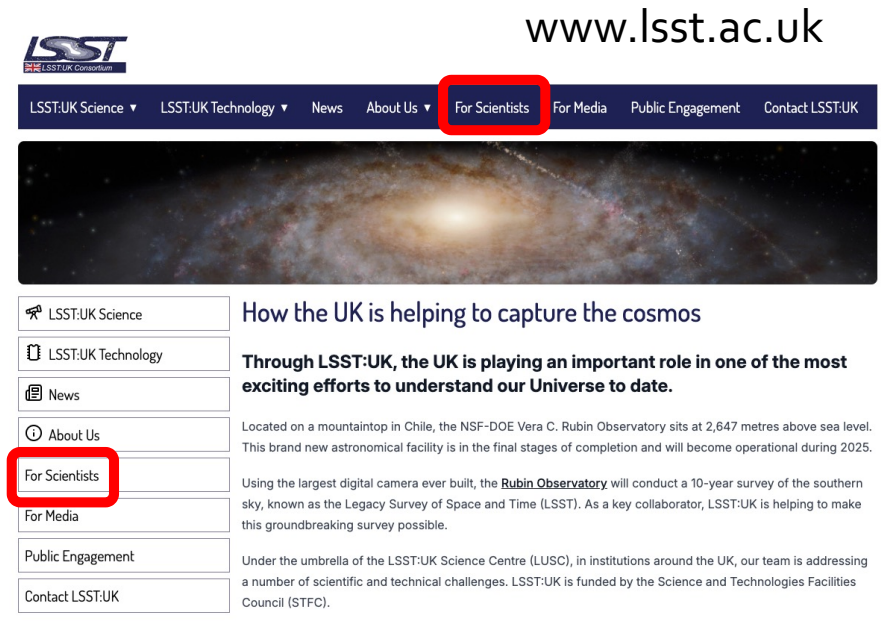
LSST:UK Science Centre (LUSC)

LSST:UK Consortium



LSST:UK Consortium

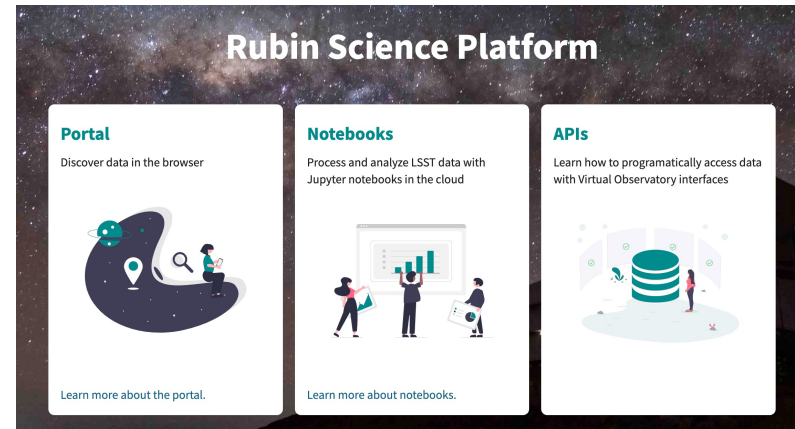
- Lots of information on the LSST:UK wiki
- **LSST Data Rights** for 300 PIs (faculty) and 1200 Junior Associates (everyone else)
 - Call open now to **July 29**



- **LSST and LSST:UK for Early Career Researchers**
 - Tomorrow: 13.15-14.00 (TLC101)

Benefits of data rights now

- Needed to join some of the Science Collaborations
- Access Data Previews via the Rubin Science Platform
 - **Data Preview 1:** 30 June
 - Data Preview 2: June/July 2026
- **Prepare for the deluge of LSST data**
 - Multi-PB data releases; $\sim 10^6$ alerts per night



UK in-kind contributions to Rubin Operations

- Data rights earned through the STFC-funded LSST:UK Science Centre (LUSC) programme
- Broadest of all the international in-kind programmes
 - 25% of **Data Release Processing** workload
 - operating a full **Data Access Centre**
 - many **data and analysis software** contributions:
 - Catalogue cross-matching; LSST+VISTA data fusion;
 - supporting Low Surface Brightness science; photo-z estimation;
 - galaxy clustering systematics; Lasair alert broker;
 - solar system transient classification; transient follow-up with 4MOST;
 - DESC computing infrastructure; sensor characterisation
 - plus commissioning, EPO, in-kind programme management...

Summary

- UK is a major part of the global LSST community
 - Crossing all science areas and all UK astronomy groups
- LSST:UK Data Rights call open now
 - Closes on **July 29th**
- **LSST and LSST:UK for ECRs**
 - Tomorrow: 13.15-14.00 (TLC101)
 - Slido link to raise discussion topics

