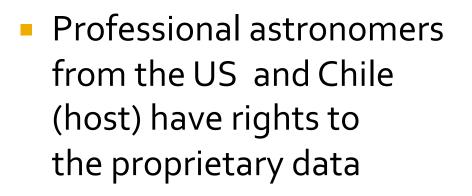
LSST:UK in-kind contributions proposal: update and status

Bob Mann LSST:UK Project Leader



Rubin LSST funding and data

- Construction funding
 - Mainly US agencies -NSF: \$437M & DOE: \$168M
- Data
 - Alerts: world-public at once
 - Static sky: images & catalogues
 - Two-year proprietary period, then world-public



 Others must gain them by making contributions to Rubin operations – about \$70M/year



International contributions

2015

- Cash subscription
- STFC signed Memorandum of Agreement to secure data right for 100 PIs (and 400 Junior Associates)

LSST:UK Consortium

2019

- In-kind contribution: either
 - Offset costs to US agencies i.e. do work that would happen in US otherwise
 - Add value to US scientific return from Rubin LSST – e.g. other data or software for user-generated products

In-kind contributions model

- Great opportunity for the UK
 - Gain data rights credit for work we're already doing
 - Invited to make cost-offsetting contributions
- Objectives
 - 1. Expand data rights ideally to whole UK community
 - 2. Earn place within Rubin operations consortium



UK in-kind package

VALUE-ADDING

- Existing software development activities (Phase B)
- Planned future software dev. activities (Phases C and D)

Total value: equivalent to ~300 PI slots

COST-OFFSETTING

- 25% share of annual Data Release Processing
- Data Access Centre
- EPO software development
- Contribute to Commissioning
- International Prog. Coordin.
- Postdoc secondments

Bind us into ops. consortium



DAC + DRP: computing resources from IRIS



- UK in-kind proposal recommended to US agencies by Rubin Observatory
- STFC & US agencies to negotiate directly soon
 - N.B. STFC endorse our plan, but have not secured all the funding for it yet
- Expect data rights agreement by end of 2021

