

# Workshop 7B cosmology

Mini-surveys and user-generated products

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# Mini-surveys

Fruitful discussions on what are mini-surveys, deep drills.

In the session, we explored the following possible mini-surveys :

- South ecliptic pole area
  - Euclid synergy. M. Jarvis, R Bowler.
  - eRosita synergy. A. Merloni.
  - Magellanic clouds science. M. Cioni.
- SN micro-lensing. S. Huber.
- Gravitational wave event follow-up. T. Tyson.

# User-generated products

- Many proposed products !
  - Modelling intra-cluster light: diffuse component. S. Brough, L. Kelvin
  - Morphological classification of galaxies using unsupervised machine learning. S. Kaviraj
  - Zoo classification. L. Kelvin
  - Atmospheric transmission model for each exposure. S. Dagoret-Campagne
  - Surface brightness fluctuation. Michele Cantiello.

Aspects about data + software + computing time to be discussed individually.