NASA/IPAC Infrared Science Archive

Euclid & SPHEREx at IRSA

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NASA/IPAC Infrared Science Archive

IRSA

- NASA's Infrared Science Archive.
- Charter is to provide interface to NASA infrared and sub-mm data sets. (~1 μm → ~1 cm).
- Founded 1993, original home to IRAS data (1983).
- **~15% of all refereed astronomy/astrophysics journal articles published today use data that ultimately came from IRSA.**
- ≳5 PB of images and ≳240 TB in databases.
  - >1 PB in cloud
- All-sky coverage in 24 bands.

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Ways to connect with IRSA

- Website & Helpdesk
- Email newsletters – sign up online
- Social media (Bluesky, Facebook)
- YouTube tutorial videos
  - ~130 videos, ~26.4k views since 2013
- Roadshow – online "lunch talk" demos

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Multiple Access Points

- More than one way to access these data.
- On-prem/cloud
- Browsable directories/via tools
- API/GUI
- See IRSA website, which includes Python Notebooks!

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