

Science exploitation of archival data in ESA Datalabs: Planck and Euclid, a tale of two...  
cosmology archives

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The Planck Legacy Archive (PLA) is a well established archive, now in legacy phase, that hosts cosmology products from the Planck Mission, some of which can be accessed from ESA Datalabs. In the near future, only a selection of the products generated by projects funded by the EU Horizon 2020 reprocessing Planck data will be ingested in the PLA, while the rest will be made available to the users via ESA Datalabs. In this presentation we will show how this platform offers an added value to the users of a legacy archive like the PLA. Although the PLA has many useful features not available in other CMB archives, programmatic access is limited as opposed to new archives like the Euclid Science Archive System, that will allow users to access the data programmatically in very different ways, for example via complex ADQL searches or using the simplified and more intuitive ESA Euclid astroquery module. The first version of this module, not yet public, has been tested in ESA Datalabs and it can be used to query the simulated data in the Euclid Science Archive at ESAC.