

## **Gaia in Datalabs: Exploiting large catalogues at scale**

The Gaia Data Release 3, published on 13th June 2022, is the most complete astrometric catalogue of the Milky Way to date, including also photometry, spectra, astrophysical parameters, variability data... A wealth of information in such quantities that sometimes requires new methods and resources to be fully exploited. In addition to regular TAP/DataLink queries to the Gaia Archive and fast, direct access to the bulk catalogue files from ESA Datalabs, we will be presenting GaiaHpc, an interface that is being considered to delegate large analytic jobs over the full Gaia datasets to a detached Apache Spark cluster for massive parallelization. ESA Datalabs provides a convenient and collaborative environment for these new tools to be bundled together with tutorials to flatten their learning curve.