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## **The LSB ESA Datalabs Pilot Study: Towards high efficiency in the low surface brightness regime in Euclid data**

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The first Euclid data have shown the enormous potential of this astronomical facility to address a large number of scientific cases beyond the science core of the project. In particular, the Early Release Observations, and their dedicated processing pipeline as an ESA led effort, have shown the enormous potential to explore the low surface brightness regimes, of great interest for the extragalactic community. The Local Universe Working Group has promoted a pilot study in the framework of the ESA Datalabs platform, to produce an alternative version of the Euclid data in VIS and NISP, with the aim of having a processing similar to that of the ERO fields, producing high efficiency in the photometry of diffuse regions, and therefore of great interest to the extragalactic community. In this talk I will summarize the work done in this pilot study, describing the general characteristics of the developed pipeline, and the potential of the data produced by it.

**Primary author(s) :** Dr ROMÁN, Javier (IAC)

**Presenter(s) :** Dr ROMÁN, Javier (IAC)

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