



OSSR as a Service

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GSoC proposal

- Google offers an online "Summer student" program
 - <https://summerofcode.withgoogle.com/>
 - Bring new contributors to Open Source projects.
- ESCAPE OSSR is participating in the program
 - Through the HSF (HEP Software Foundation)
 - <https://hepsoftwarefoundation.org/>
 - "Repository as a Service"
 - https://hepsoftwarefoundation.org/gsoc/2022/proposal_ESCAPE-repository-as-a-service.html



Context / Background

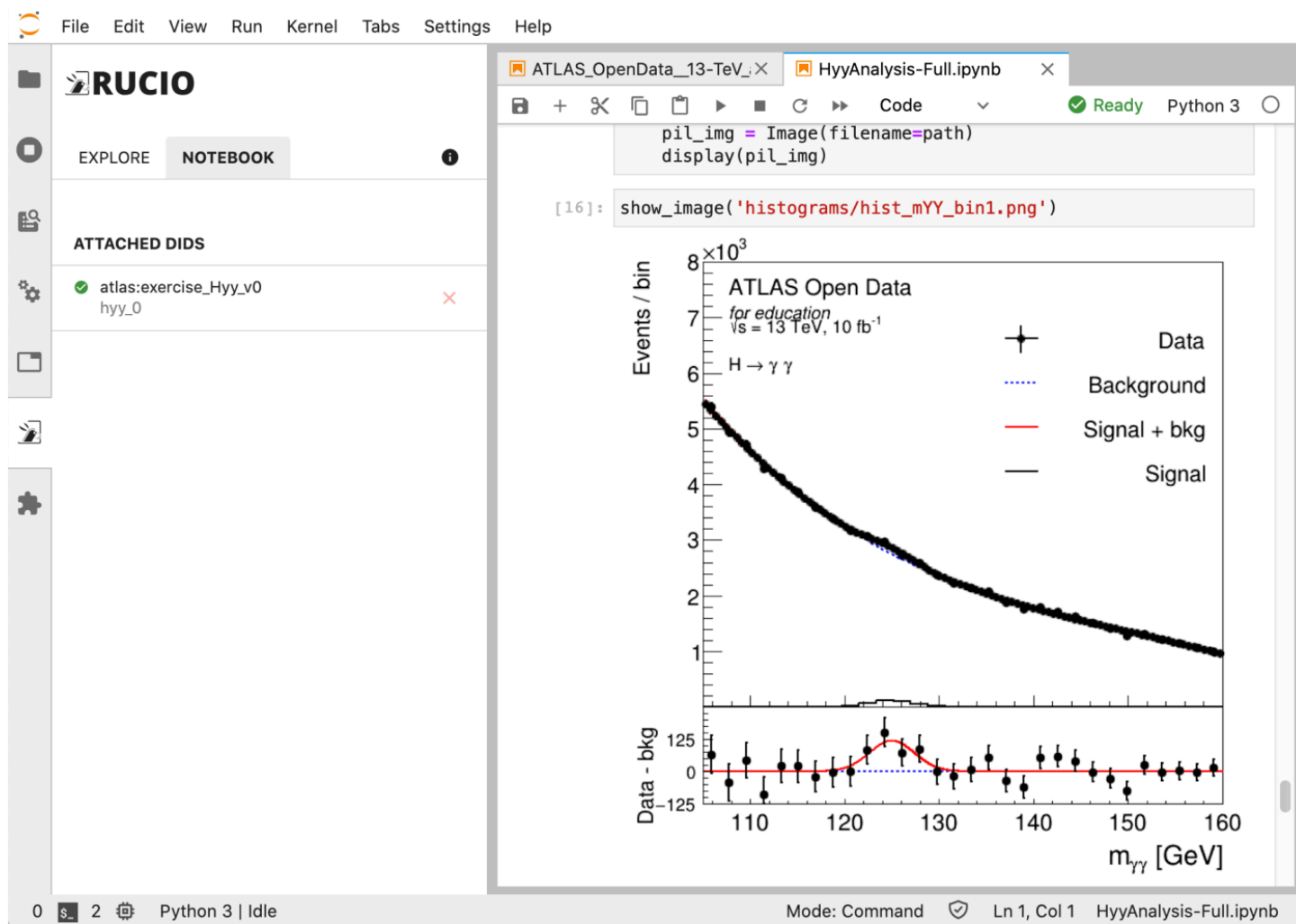
- Building on top and from the DLaaS idea



DLaaS
JupyterLab

Data Lake as a Service



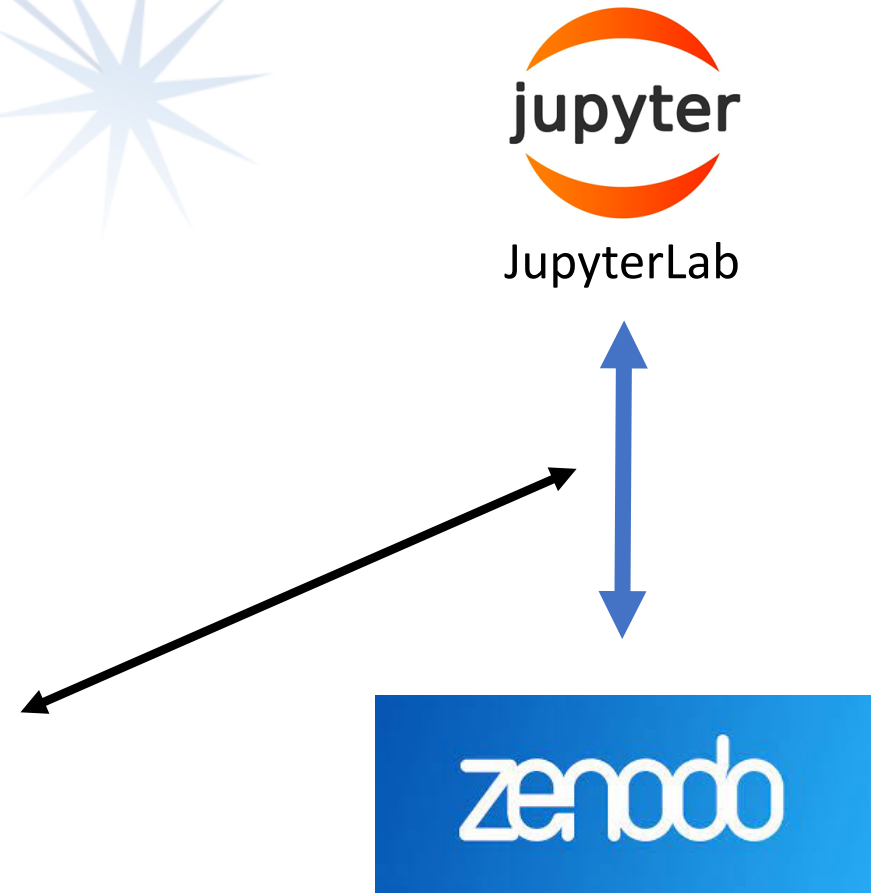


- DLaaS:
- User friendly interface to ease the use the ESCAPE RUCIO Data Lake instance.
- Uses a Jupyter Lab environment (with the RUCIO extension)
- Deployed into a computer platform (currently CERN).



OSSR as a Service

- Independent JupyterLab extension
 - Installable on any JL environment
 - JupyterHub
 - Personal computer
- Interface that connects JLab with the OSSR through a user friendly GUI
 - Allow searching and listing any OSSR entry
 - Would allow bringing (`wget`) any OSSR entry content
 - Would allow installing any repository in the working environment
 - Would allow publishing back to the OSSR



(DL+ OSSR)aaS

● Connecting 2 ESCAPE services



DLaaS + OSSRaaS
JupyterLab

DL + OSSR as a Service

