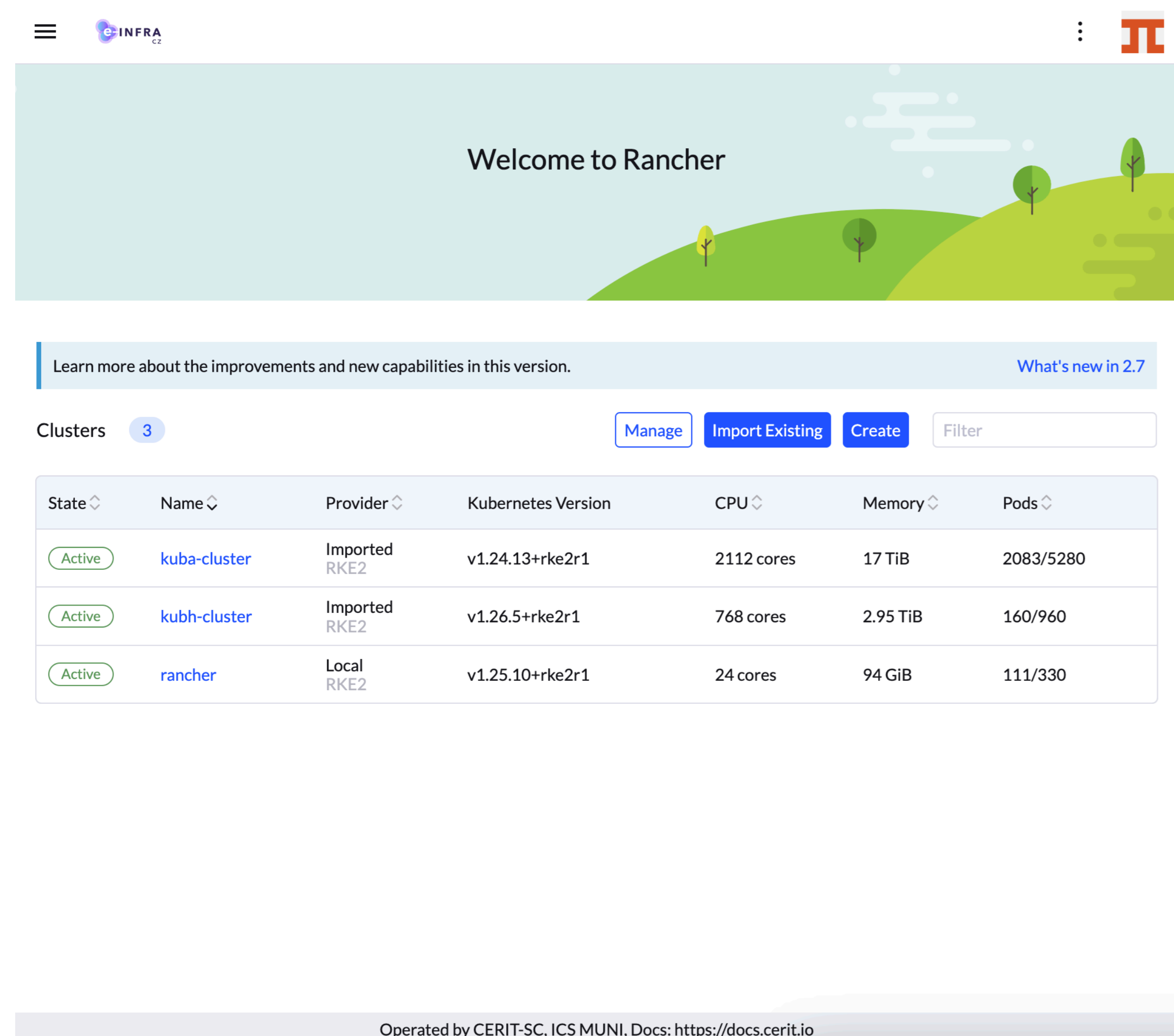


Easy Deployment of Dask and Jupyter Notebooks on Managed Kubernetes



Managed Kubernetes

- Fully managed platform with integrated services
- Let's Encrypt certificates
- Automatic DNS registration
- Storage integration
- Docker container registry
- Minimal infrastructure knowledge required
- Focus on application
- Need to accept shared infrastructure rules



kubernetes

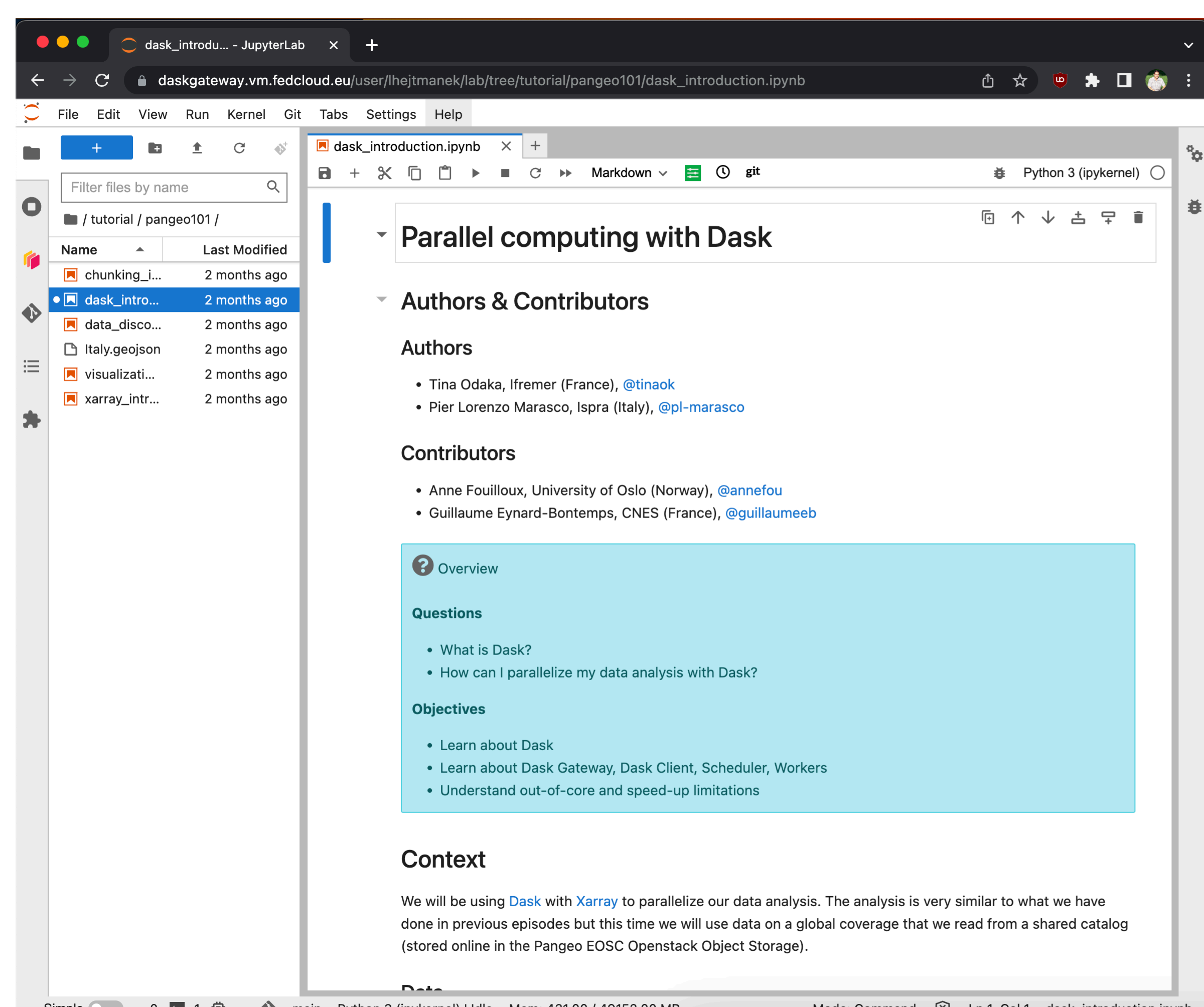
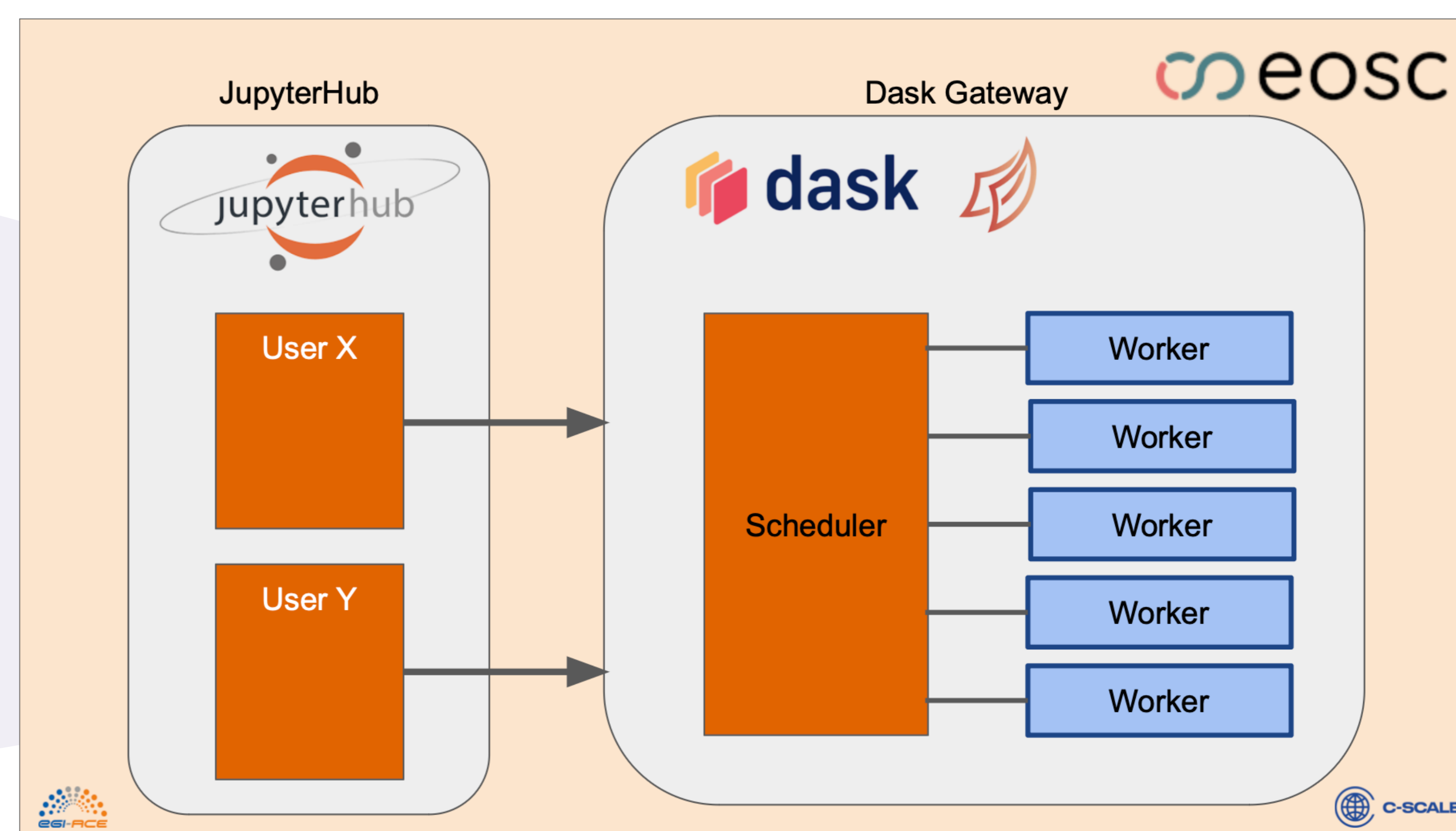


RANCHER

BY SUSE

Successful Case

PANGEO is a global community initiative for Big Geoscience Data with active developers, scientists, and users. PANGEO requested training infrastructure for Jupyter Notebooks and Dask computing clusters. It was implemented on the managed Kubernetes platform.



Benefits and successful story

- Scientists benefit from a collaborative platform to do research in a consistent and scalable way.
- Scientists focus on science and don't need to worry about managing the underlying platform: Kubernetes cluster, container registry, DaskHub deployment, etc.
- The platform fosters reproducible open science with state of the art tools. Resulting notebooks can be easily shared and reproduced by others.
- More than 100 researchers from across more than 10 countries have benefited from this deployment to learn how to include the Pangeo tools into their research without having to worry about the technical details related to deployment and management of the platform.

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