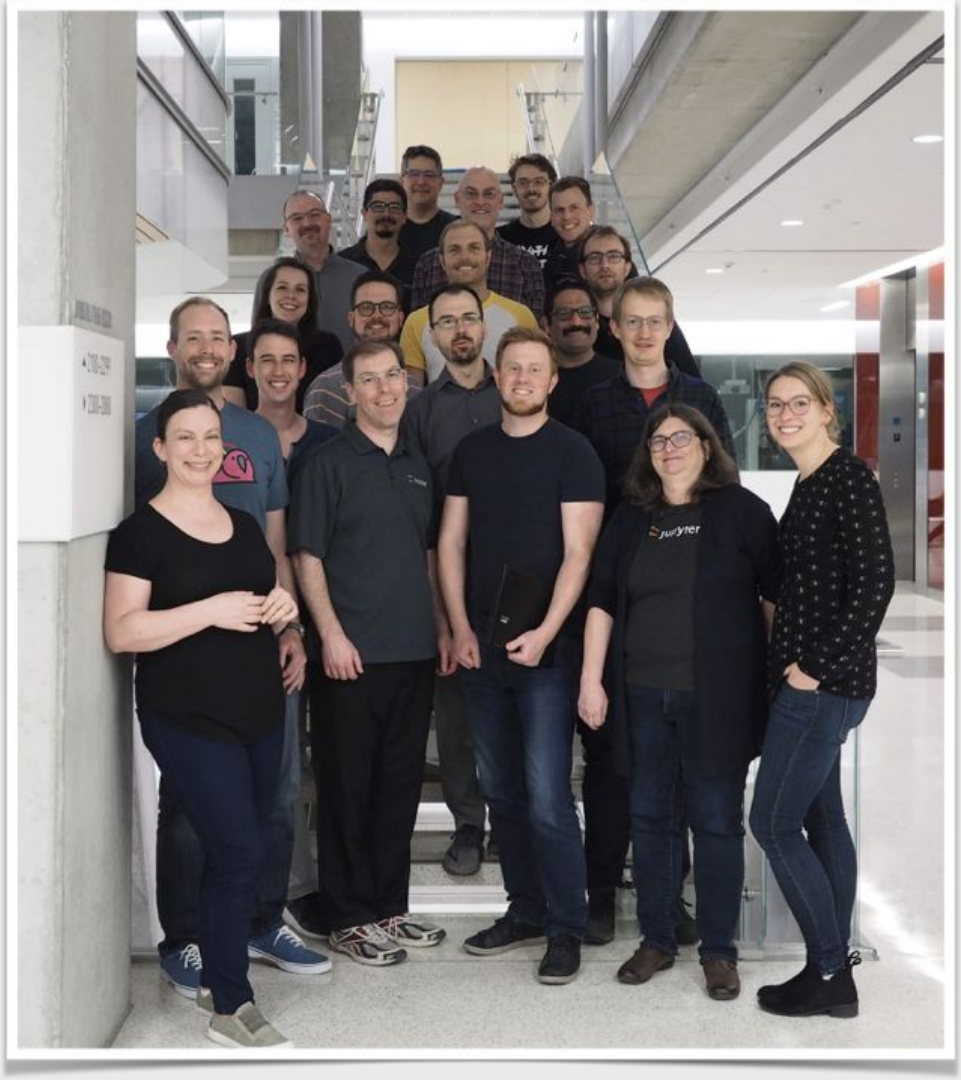
Jupyter Updates

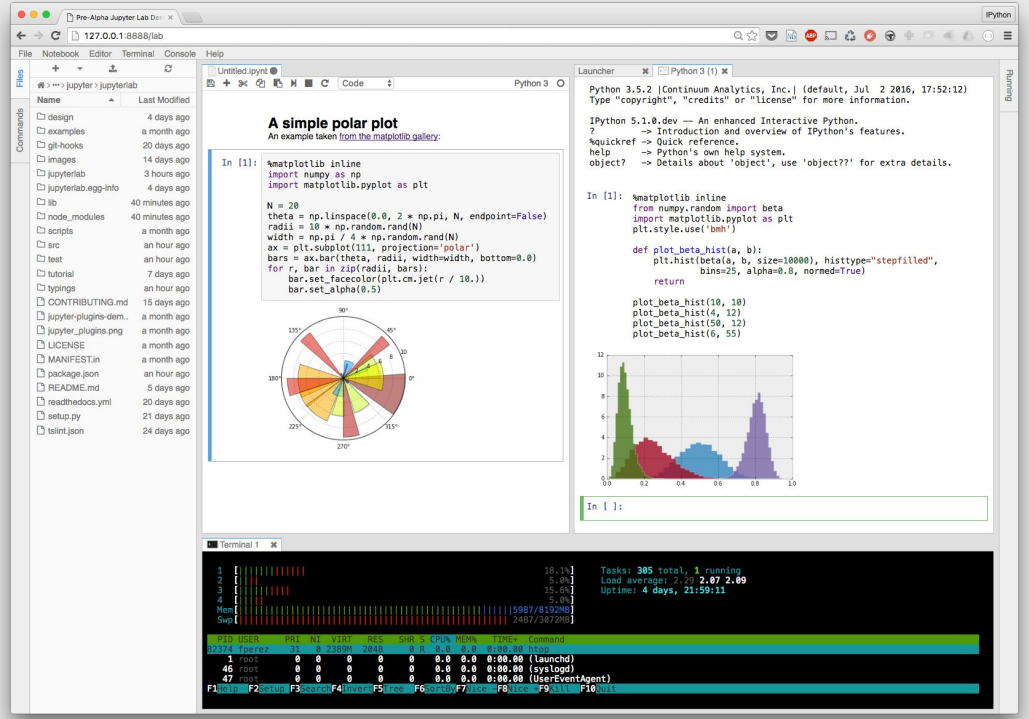
Damián Avila & Lindsey Heagy

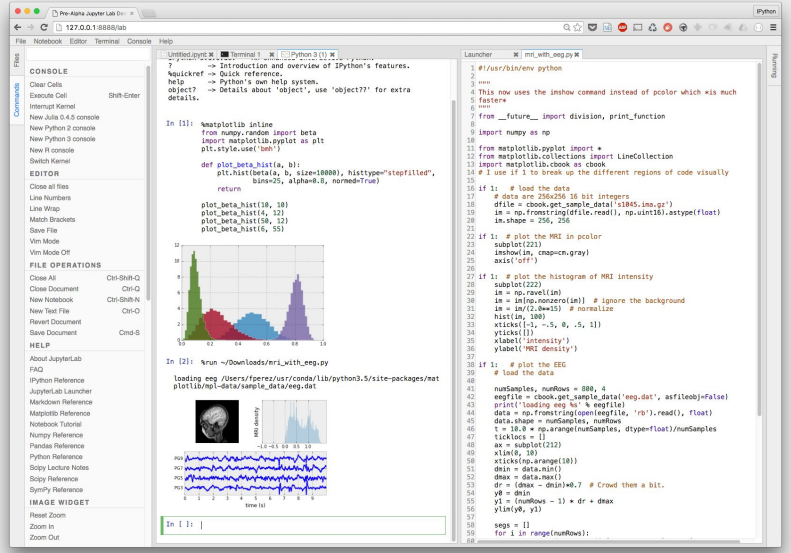
http://bit.ly/scipyla-jupyter

a *community* of people and an ecosystem of open *software* and *standards* for interactive computing


surfyter

JupyterLab: a grand unified theory of Jupyter





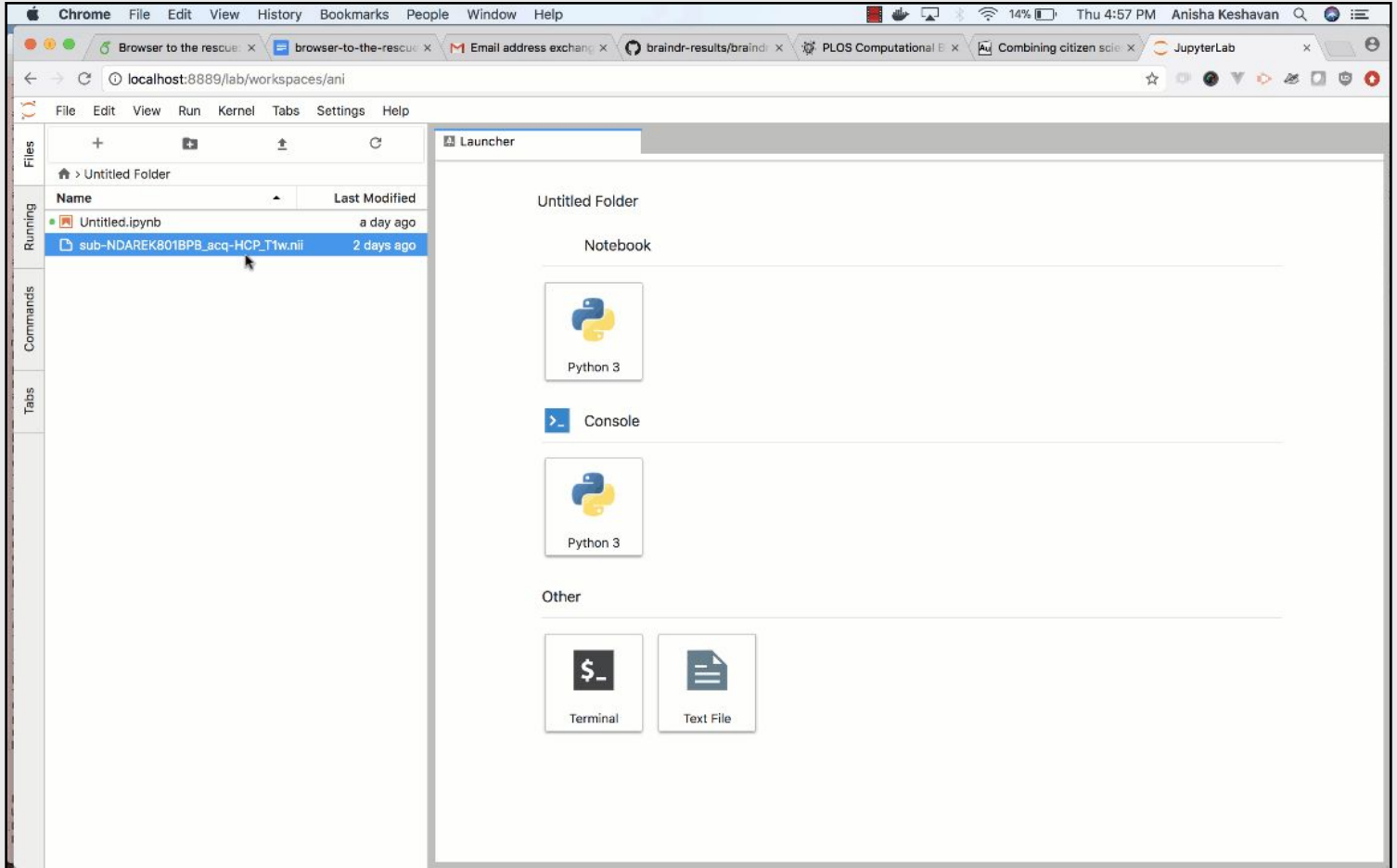
Huge Team Effort!

C. Colbert, S. Corlay, A. Darian, B. Granger, J. Grout, P. Ivanov, I. Rose, S. Silvester, C. Willing, J. Zosa-Forde …

ANACONDA.

Bloomberg

Community-extensible: Neurohackademy 2018



JupyterLab update

JupyterLab is the next-generation web-based user interface for Project Jupyter.

- 1.0.0 was released on June 28, 2019
- Currently at version 1.1.4
- Extension Development Changes

JupyterLab update

Some interesting extensions:

- *jupyterlab-data-explorer*
- *jupyterlab-toc*
- *jupyterlab-git*
- *And much more, check:*
  https://github.com/topics/jupyterlab-extension

JupyterHub update

Host pre-configured data science environments on shared infrastructure

jupyter.org/hub

JupyterHub 1.0

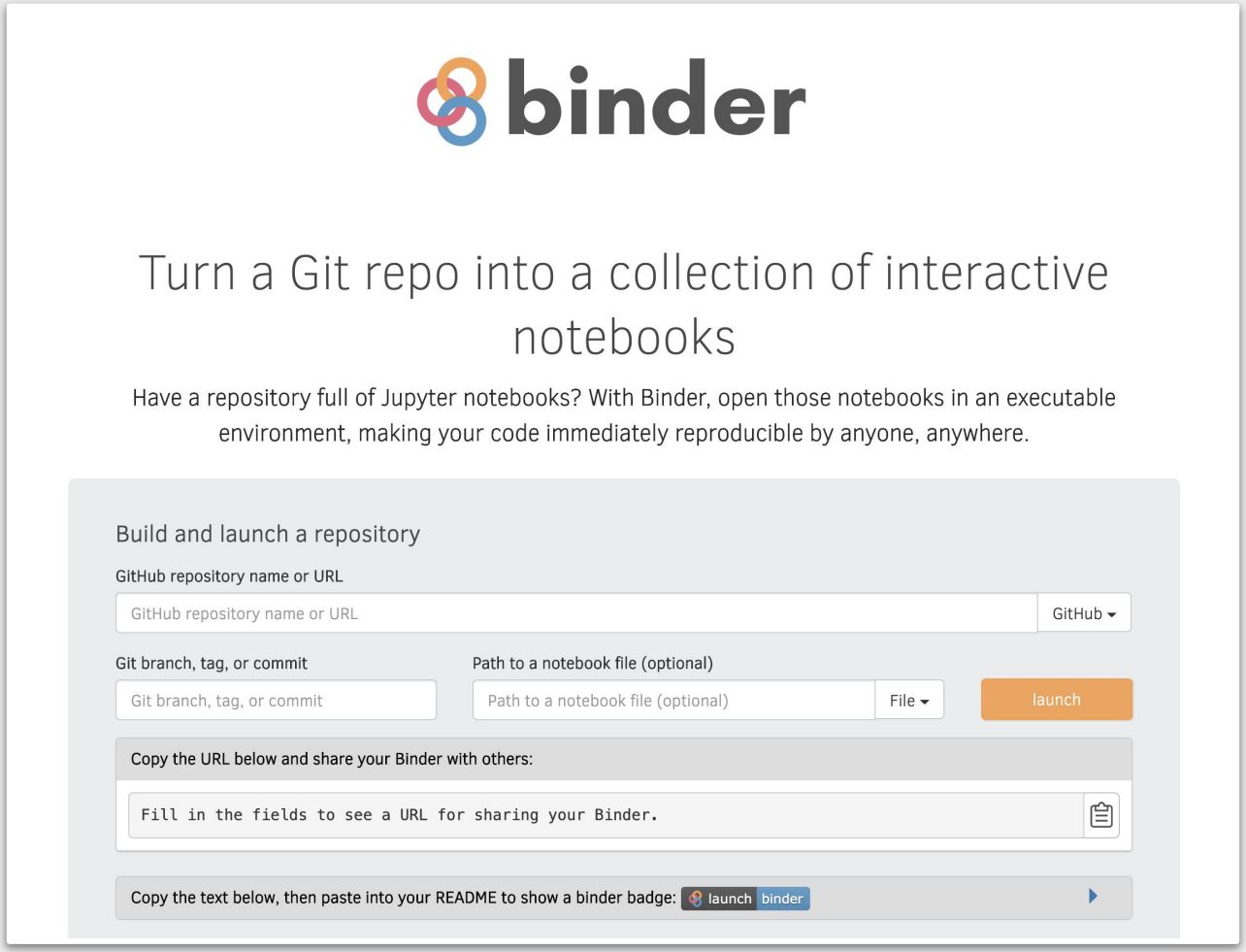
- Better docs on best practices / configuration
- Z2JH ships with better scaling

blog.jupyter.org/announcing-jupyterhub-1-0-8fff78acad7f

The Littlest JupyterHub

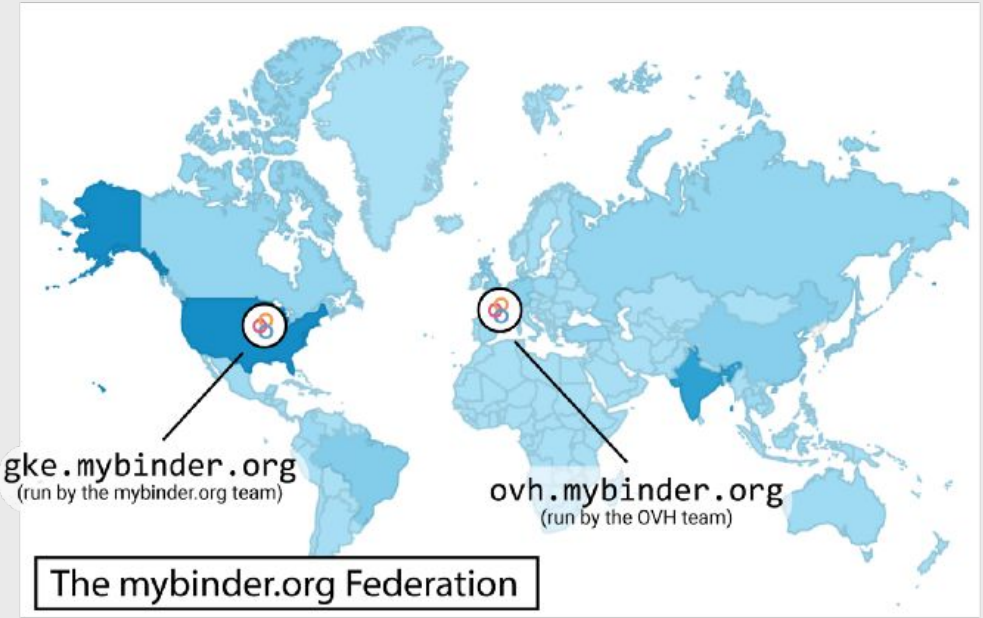
A simple JupyterHub distribution for a small (0-100) number of users on a single server.

`tljh.jupyter.org`



mybinder.org

The Binder Federation



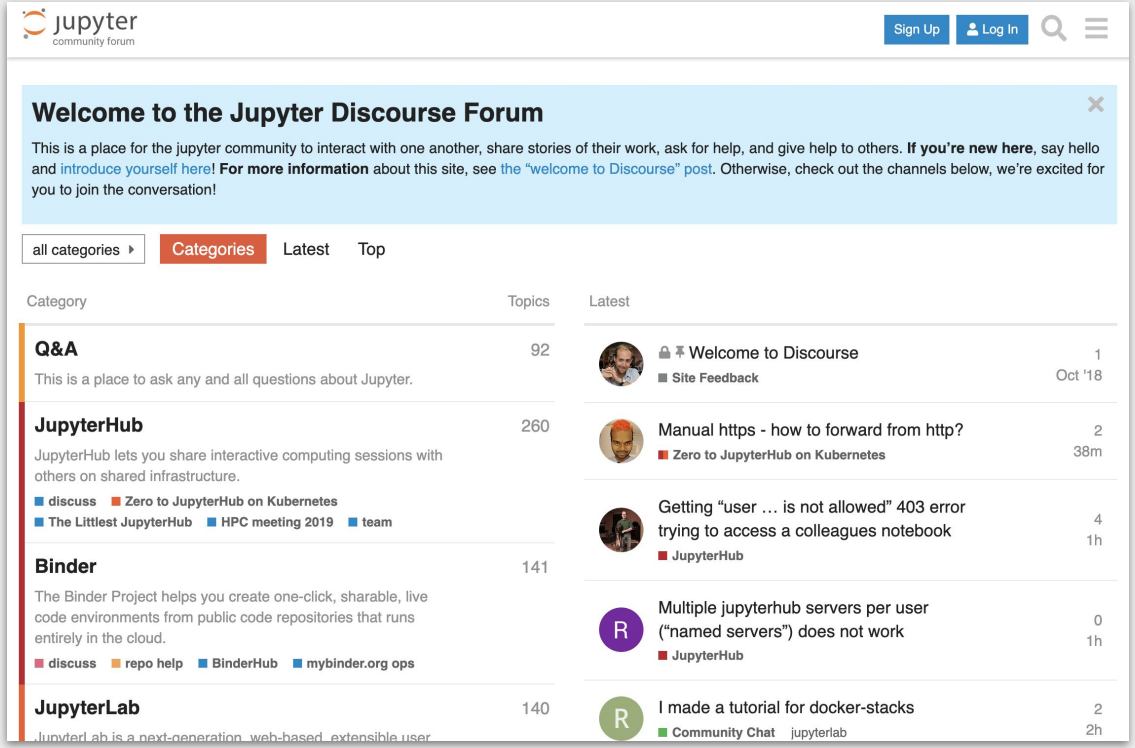
blog.jupyter.org/the-international-binder-federation-4f6235c1537e

Outreachy projects

jupyter + OUTREACHY

blog.jupyter.org/outreachy-jupyter-supporting-diversity-in-open-communities-dfa78db4b0bd

Communication



https://discourse.jupyter.org/

A few related projects

[ipy]widgets

ipywidgets.readthedocs.io

RISE

Reveal.js - Jupyter/IPython Slideshow Extension

rise.readthedocs.io

nbgrader

nbgrader.readthedocs.io

voilà

blog.jupyter.org/and-voil%C3%A0-f6a2c08a4a93

nbviewer

A simple way to share Jupyter Notebooks

nbviewer.jupyter.org

And many more…

The end