



Describing Science Platforms

Dave Morris
Edinburgh University

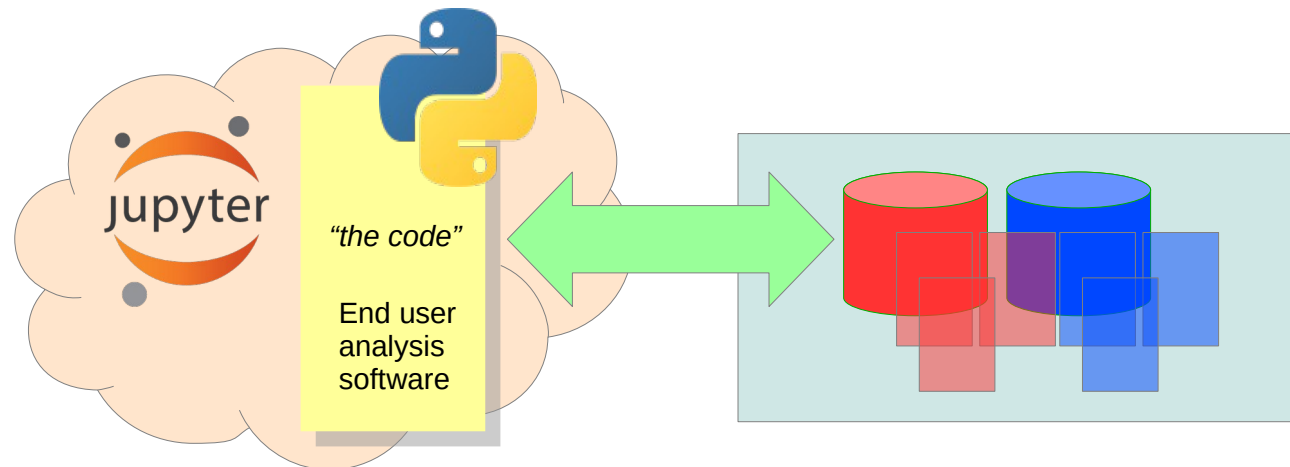
May 2020

D.Morris
Institute for Astronomy,
Edinburgh University
May 2020



IVOA interop meeting
May 2020

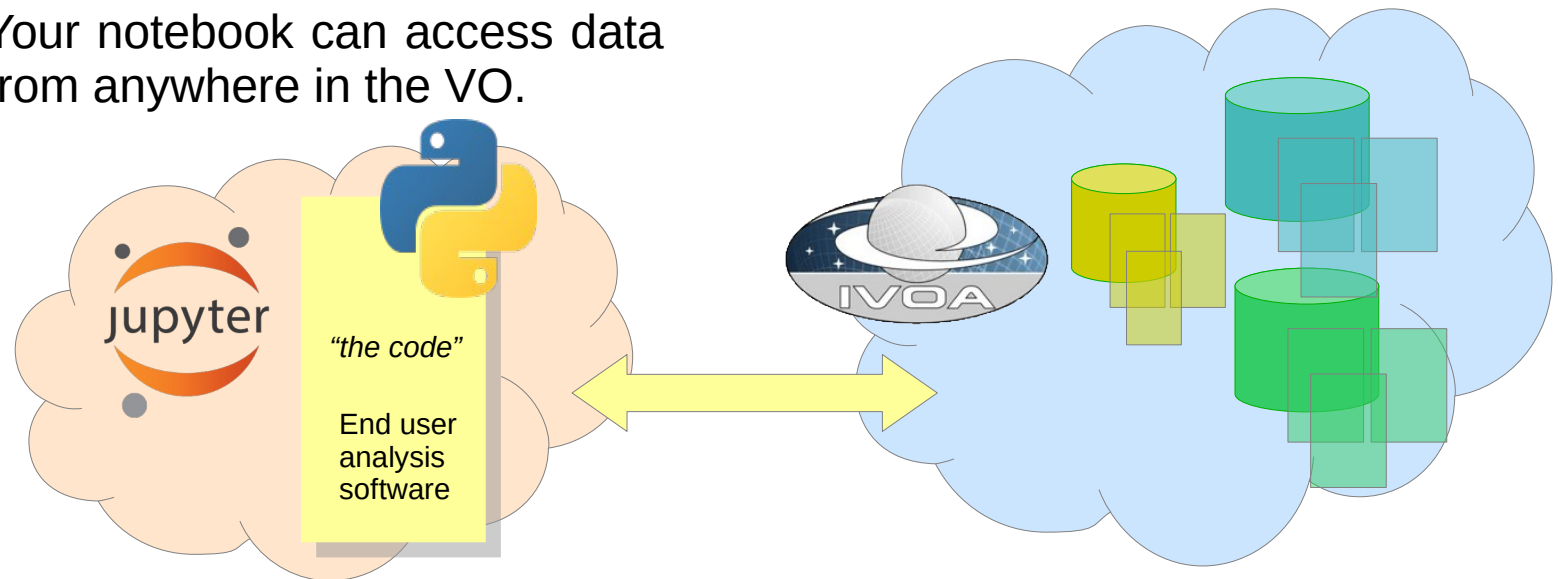
- For example JupyterHub
 - A service that enables users to run their Python code on a *server*^(*) in a data centre.
 - In *close proximity*^(*) to the data being analysed.
 - Local network (LAN) connection provides *high bandwidth*^(*) access to the data.





If your code in JupyterHub can import Astropy and PyVO

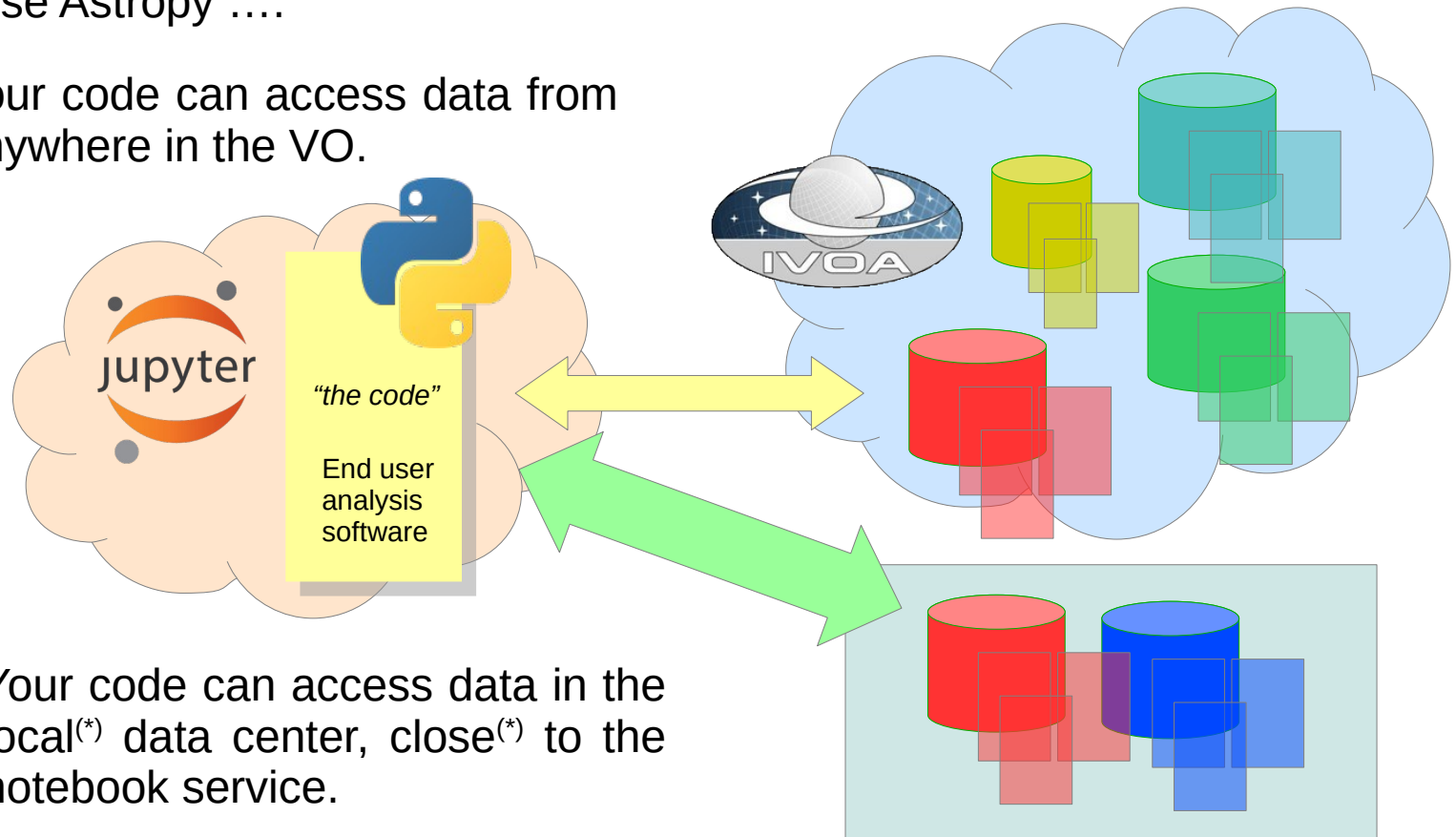
- Your notebook can access data from anywhere in the VO.





If your code can use Astropy

- Your code can access data from anywhere in the VO.

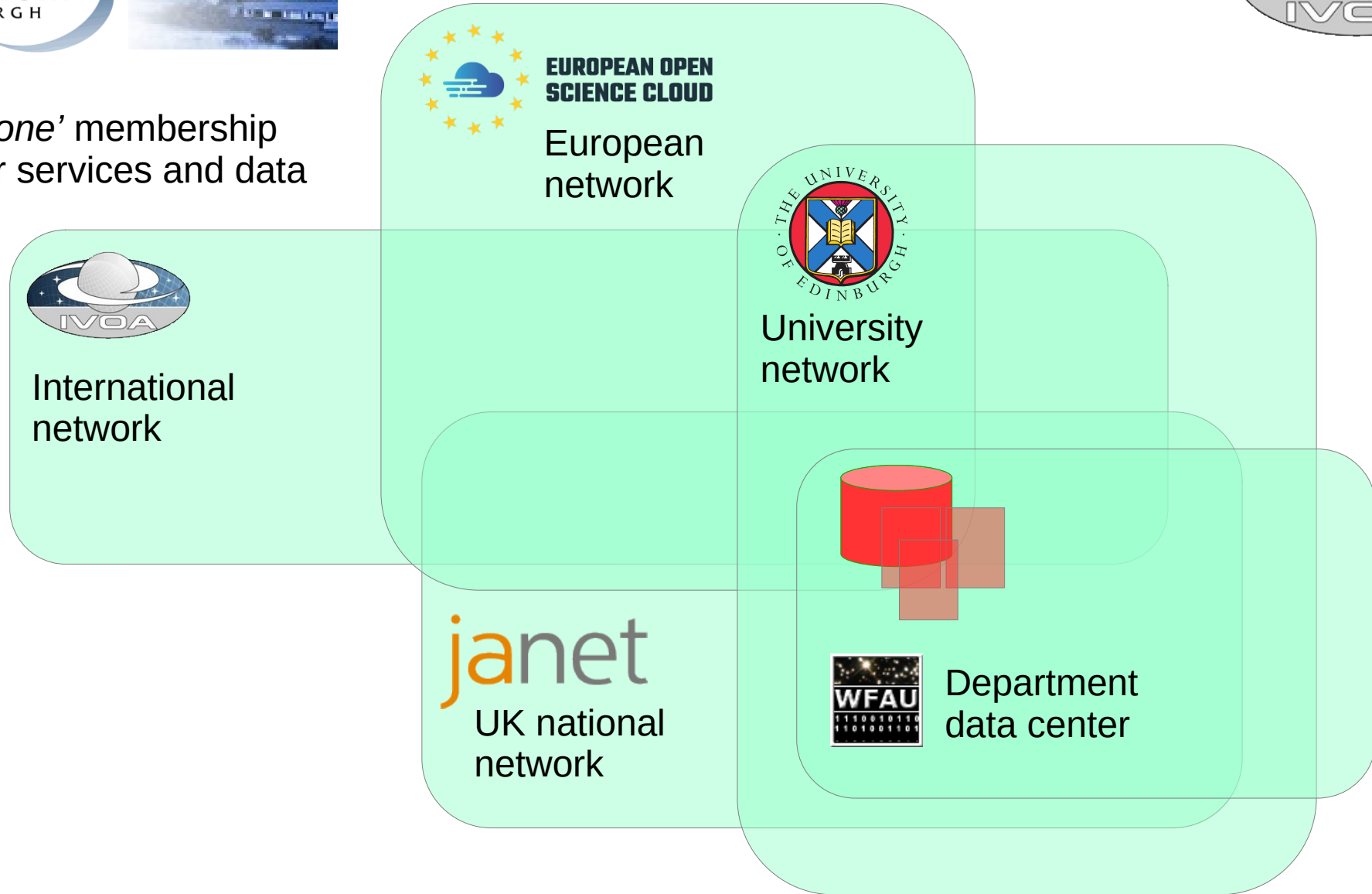


- Your code can access data in the local^(*) data center, close^(*) to the notebook service.

How do you know which copy of the data to use ?

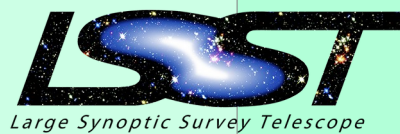


'Zone' membership
for services and data





'Zone' membership
for services and data



University of Edinburgh





Simple 'Zone' membership
for services and data

Service registration lists
which zones it is in

Client software can work
out what that means ?

Does that give us enough
information to choose ?

