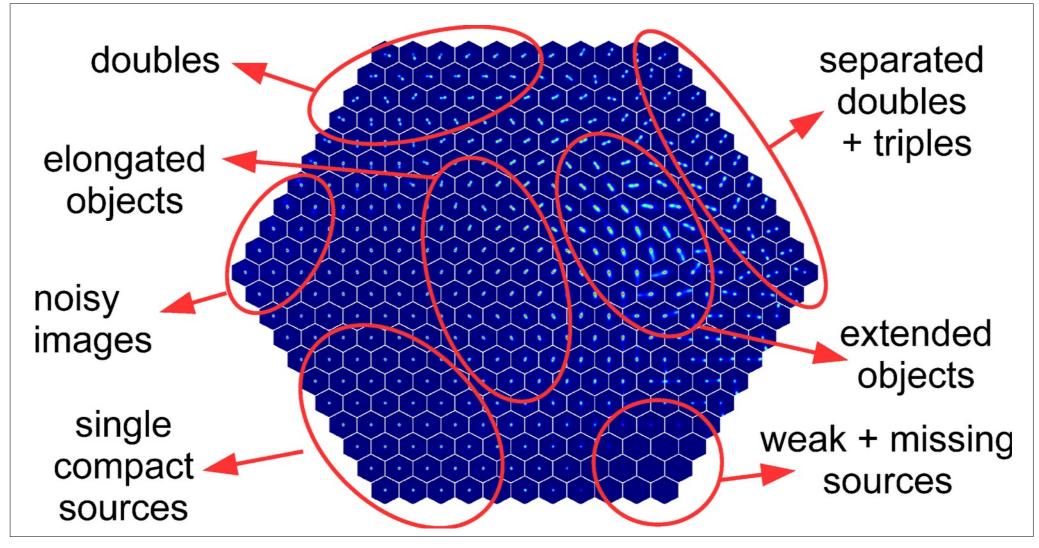


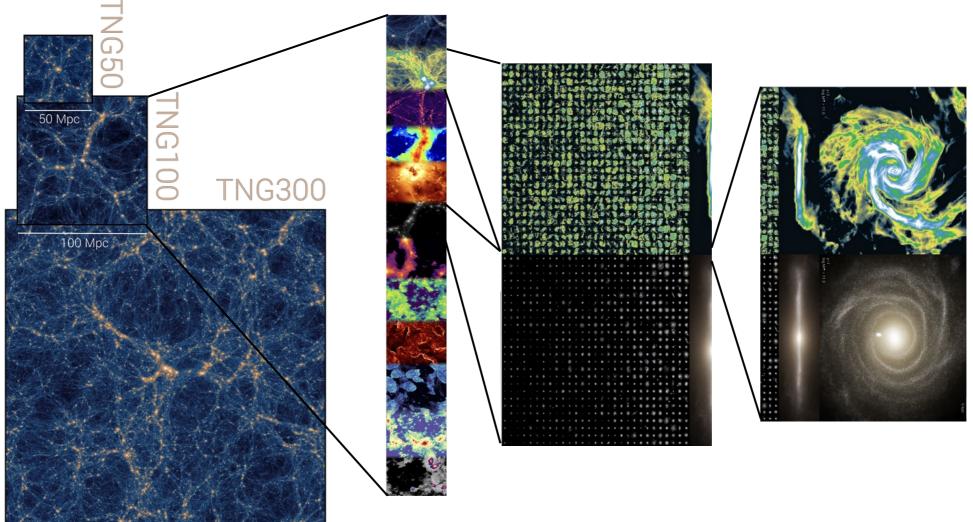
Interop Victoria, 2018, DM



https://wiki.ivoa.net/internal/IVOA/InterOpMay2018KDIG/KDIG.pdf

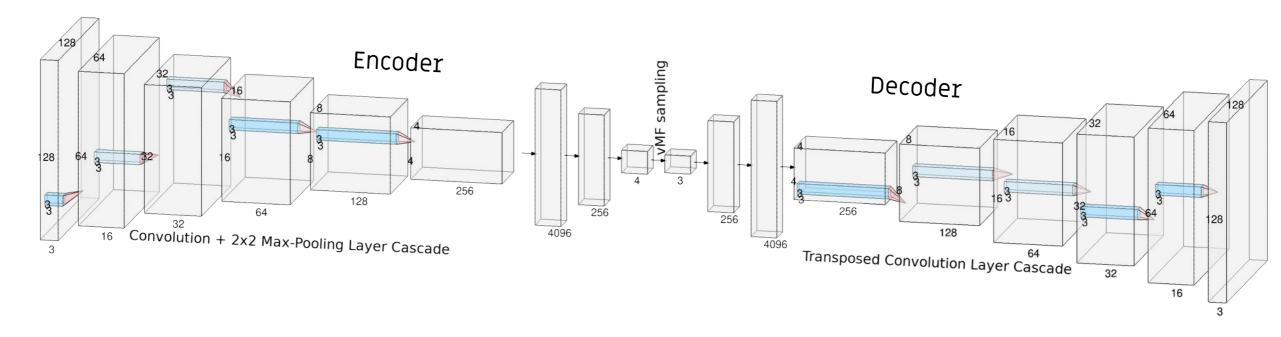
SPACE / IllustrisTNG simulation





Hyperspherical Variational Convolutional Autoencoder





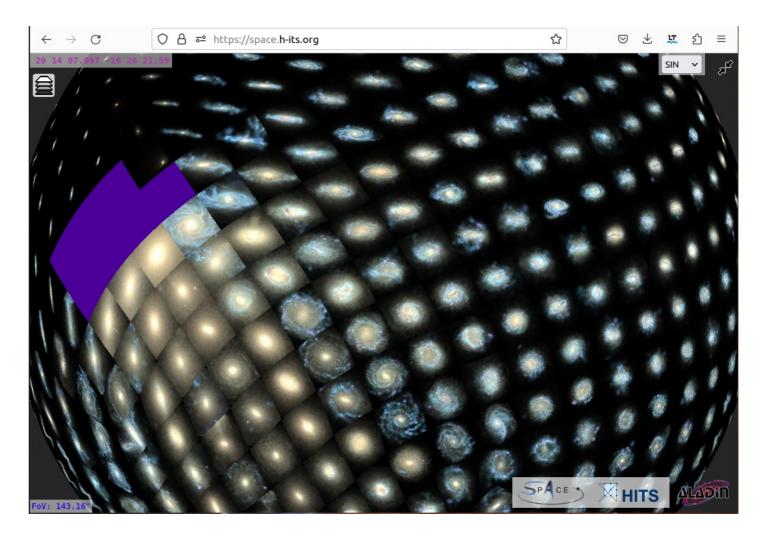
Representing the Model/Data with HiPS



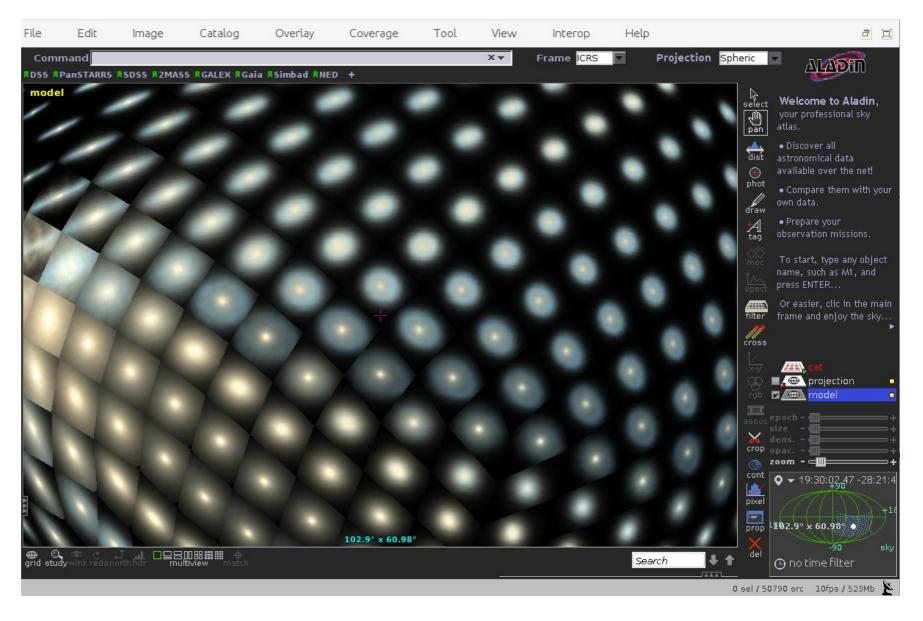
Demo with Aladin Lite:

https://space.h-its.org

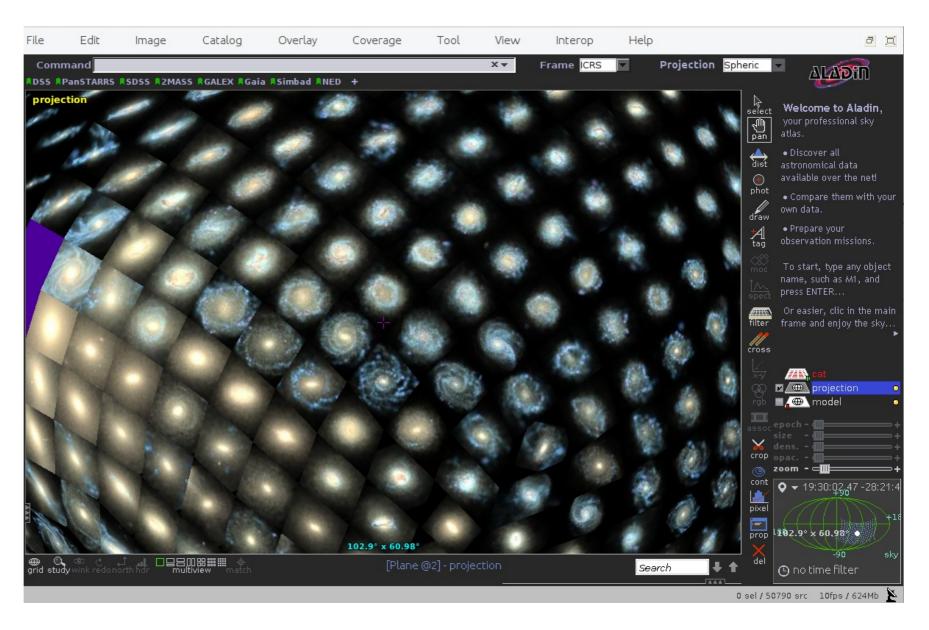




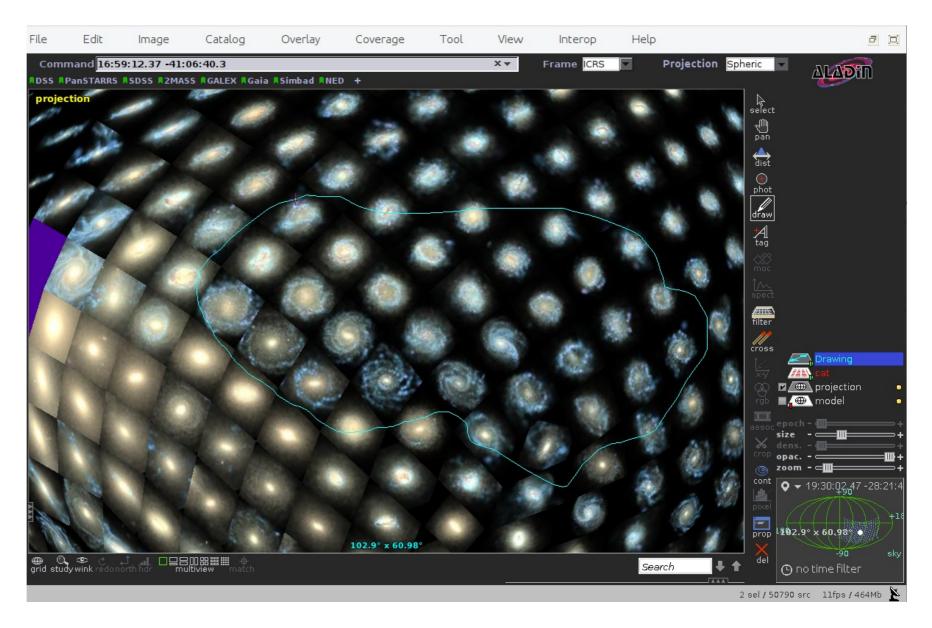
Model



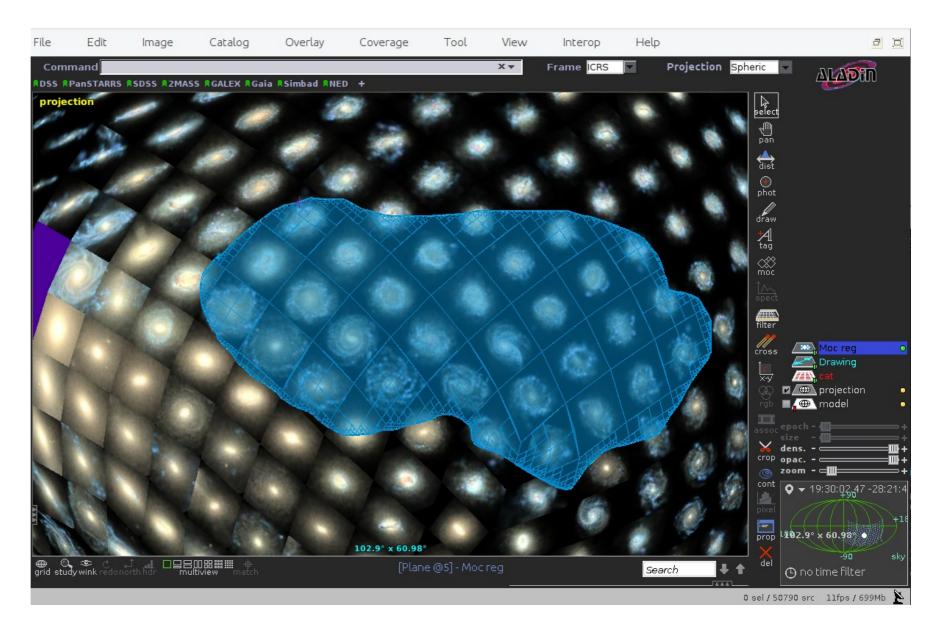
Projection of data



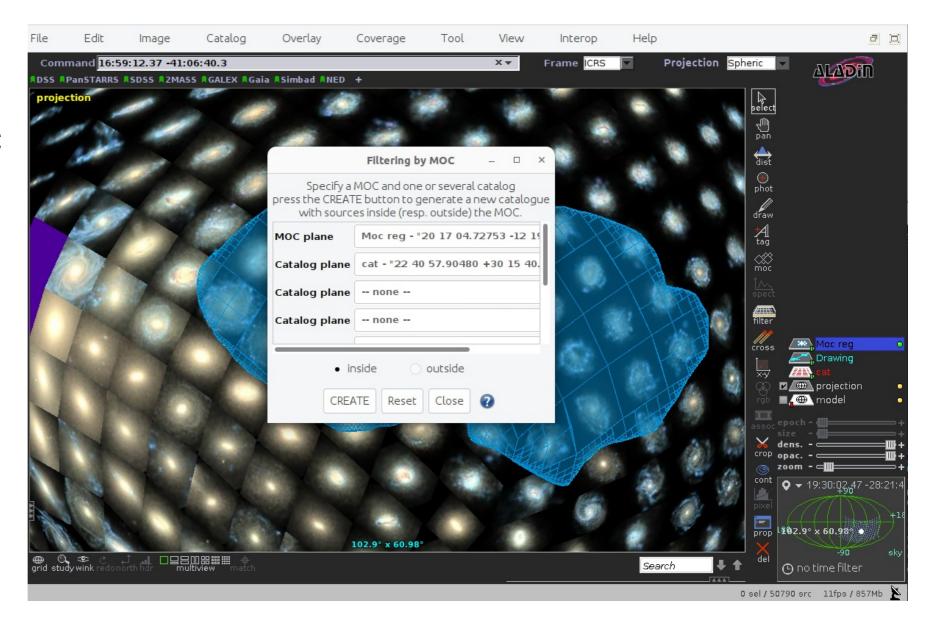
Mark an area



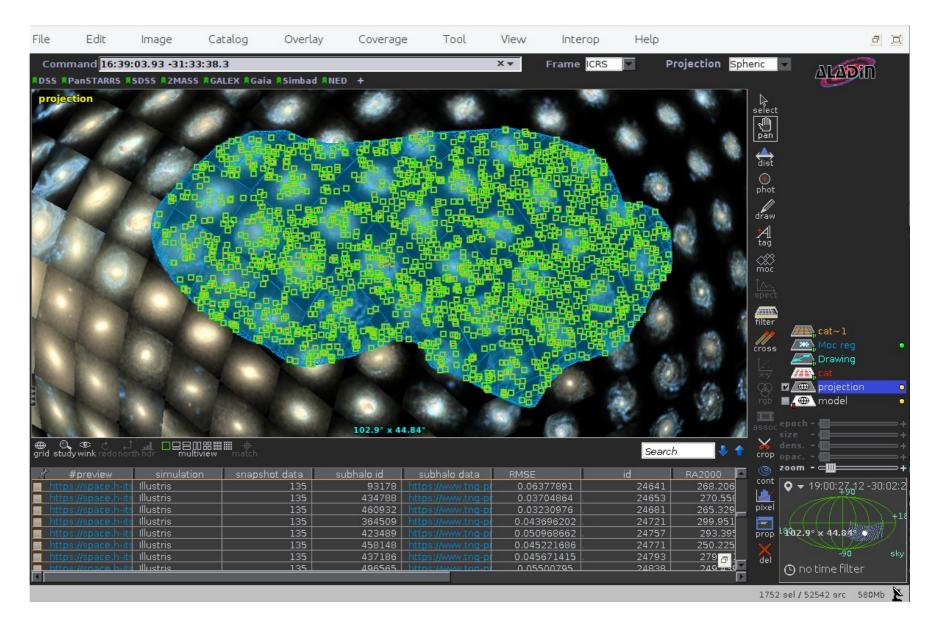
Create a MOC



Filter catalog by MOC



Individual catalog



Questions

Coordinates

- UCD?
- How to connect to the model used to project?

HiPS

Re-using hierarchical representation of HiPS → unexpected behavior in VO tools

MOC

- Annotations?
- Semantics?
- Multi-mocs?

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