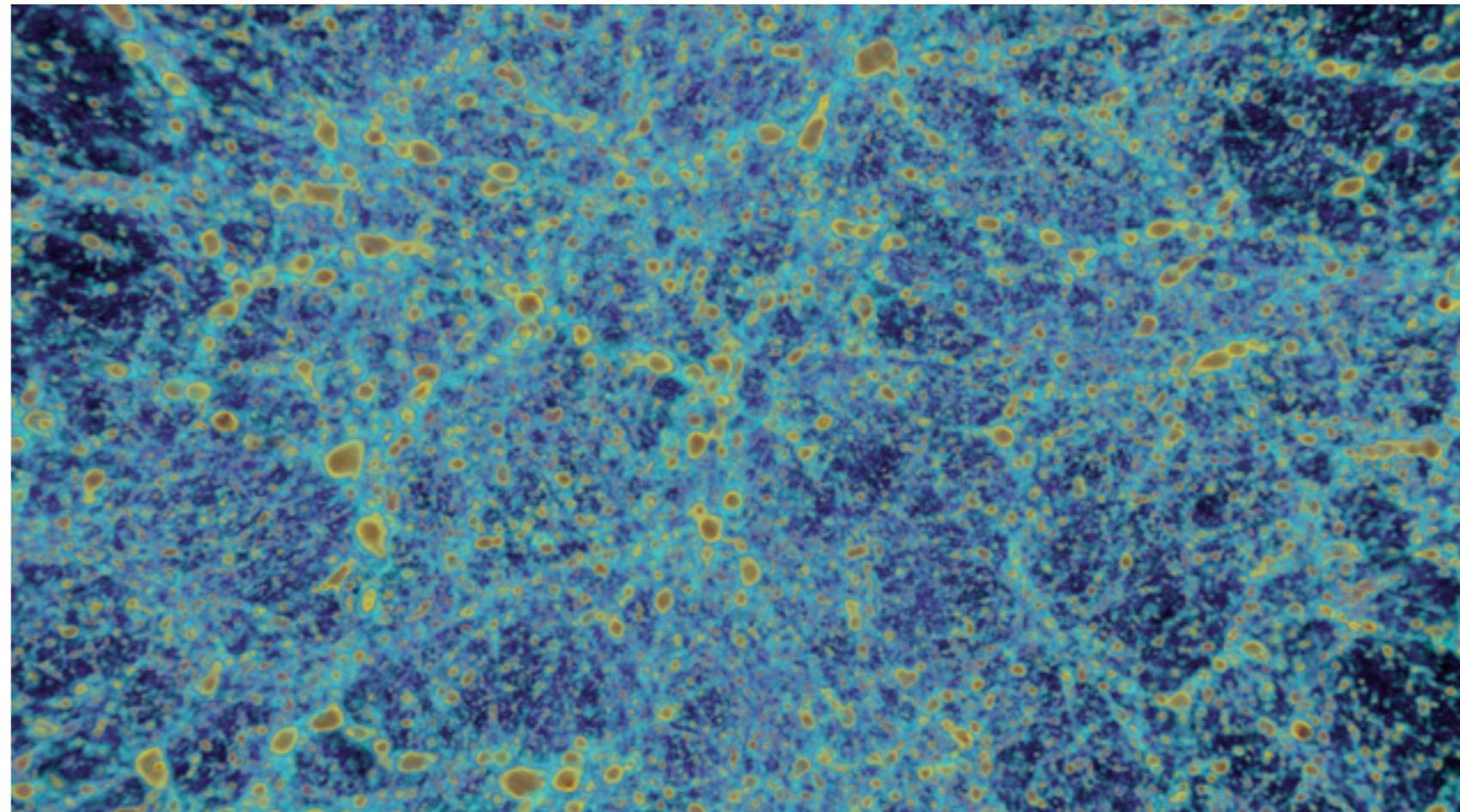




DESI Cosmological Simulations Working Group

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Basic Task for this Workshop: SimRD Document!

- **Current Status (work needed in all topics)**
 - ▶ **Where is it** —
svn co <https://desi.lbl.gov/svn/docs/sciencenotes/SimRD/trunk>
 - ▶ **What's needed** — Other science working groups articulate needs/joint projects with the CosmoSim WG
 - ▶ **CosmoSim WG work** — What's available, where are people headed?
 - ▶ **SimRD work** —
 - ▶ *Galaxy and Quasar clustering* — Analysis code validation, theory predictions/theory systematics, modeling observational systematics, covariances
 - ▶ *Clusters, Cross-correlations, and Small-scale Clustering (C3)* — Clusters, CMB X LSS, small-scale RSD, photo-z calibration, DESI X 21cm, **small-scale cosmology**
 - ▶ *Bright Galaxy Survey* — RSD, dwarf galaxies, galaxy-galaxy lensing (cosmology + **galaxy formation**), **low-z BAO, bispectrum etc., groups/clusters (cosmology + galaxy formation), environments/galaxy evolution**



Basic Task for this Workshop: SimRD Document!

- **Current Status (contd.)**

- ▶ *Lyman-alpha Forest* — BAO measurement, small-scale measurements
- ▶ *Milky Way Survey* —
- ▶ *Data Distribution* —
- ▶ *Survey Design and Sequencing* —
- ▶ *Simulations available to the collaboration* — Simulation type and specifications, access issues, galaxy catalogs, etc.

- **Plan for workshop**

- ▶ *Is the topic list complete?*
- ▶ *List holes in current SimRD doc and fill them, need to discuss with every other SWG*
- ▶ *Complete SimRD doc this month*
- ▶ *Discuss various nuts and bolts issues, data formats, infrastructure, data access, etc.*
- ▶ *Develop action plan for above*

