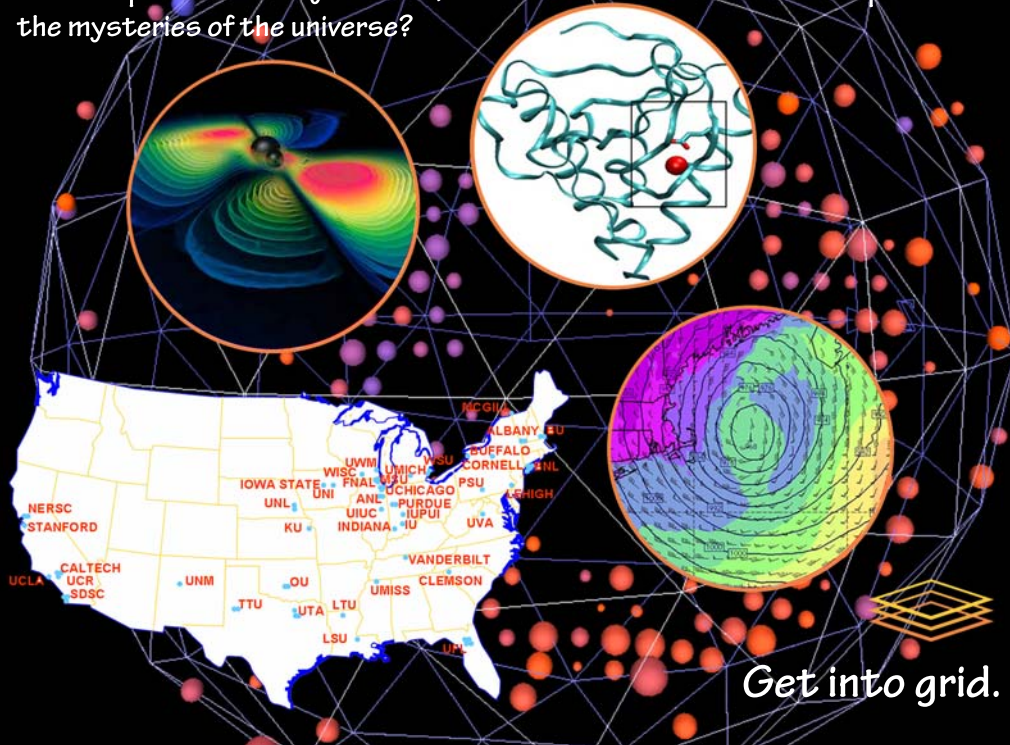


Want to predict stormy weather, zoom in on a molecular scale and penetrate the mysteries of the universe?



Get into grid.



## Open Science Grid

Images, clockwise from upper left:

Simulation of conversion of gravitational-wave signals into sound from the Laster Interferometer Gravitational Wave Observatory (LIGO). *Image courtesy of Werner Benger, Zuse Institute Berlin, Max-Planck-Institute for Gravitational Physics, and Louisiana State University*

X-ray crystallography at room temperature revealed only one water molecule (shown as a red sphere) near the protein residue of interest (shown in the box). The protein is a variant of staphylococcal nuclease. *Image courtesy of Johns Hopkins University*

The Weather Research and Forecasting Model facilitates real-time predictions of precipitation, surface temperature, reflectivity, wind speed, hurricane tracks, storm potential, humidity and more. Combinations or "ensembles" of these models can produce even more accurate results. *Image courtesy of Weather Research and Forecasting Model*

Map specifying locations of OSG sites in the United States.

Background Image: The MiniBooNE experiment recorded this neutrino event. The ring of light, registered by some of more than 1000 light sensors inside the detector, indicates the collision of a muon neutrino with an atomic nuclei. *Image courtesy of Fermilab*

