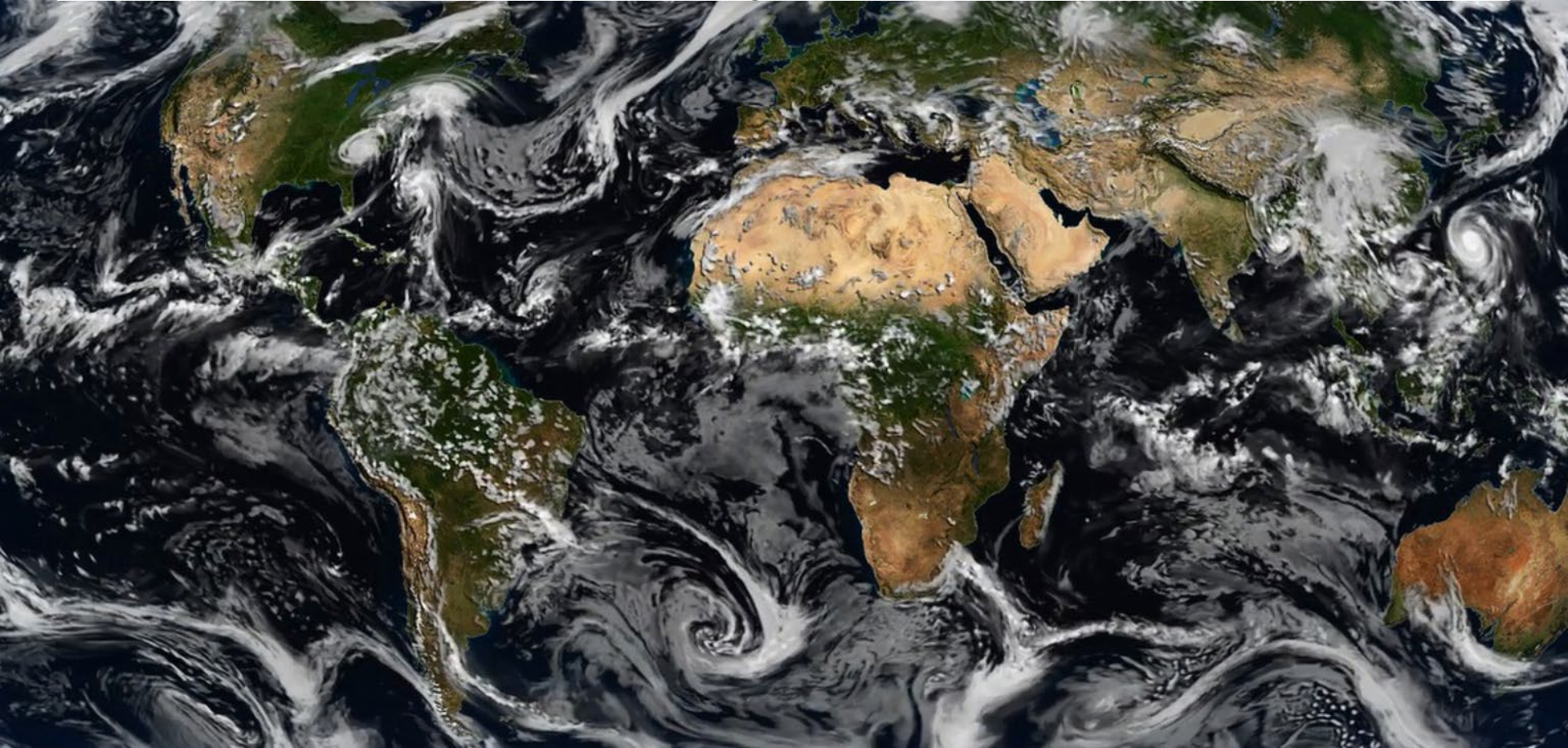


SOS Isn't the Only Cool Thing Going at NOAA in Boulder



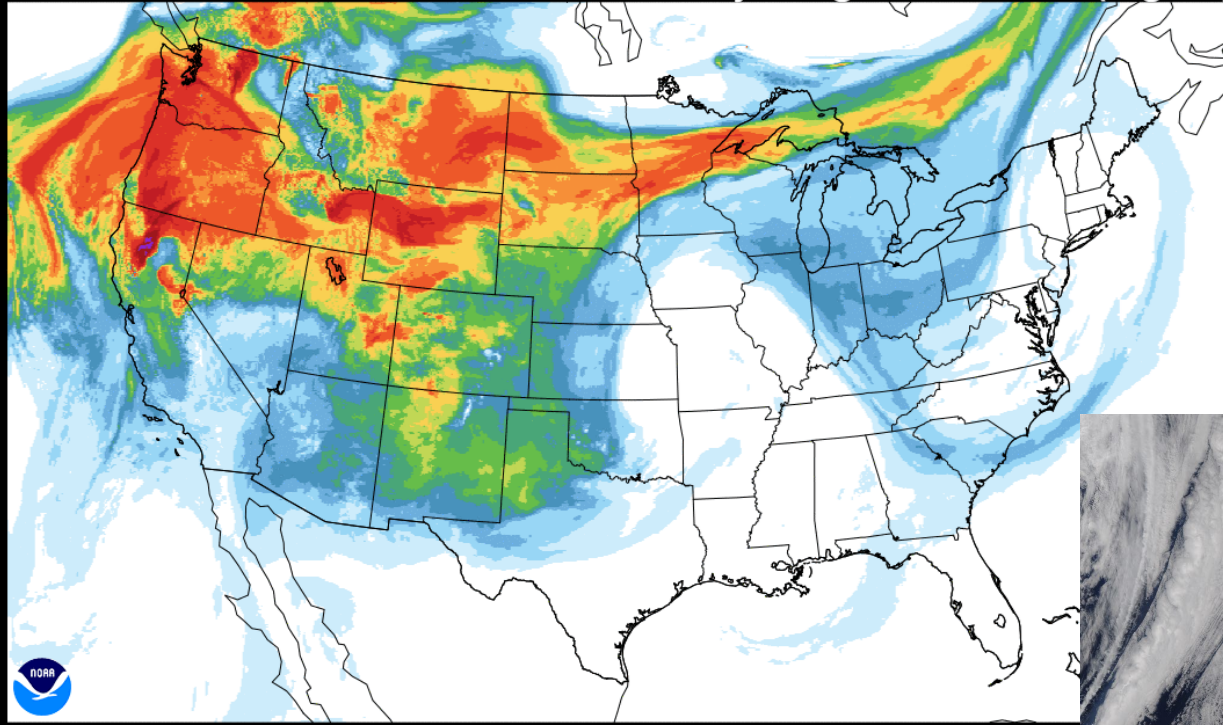
Jebb Stewart

Global and Regional Modeling - What's the Weather Tomorrow and Beyond?

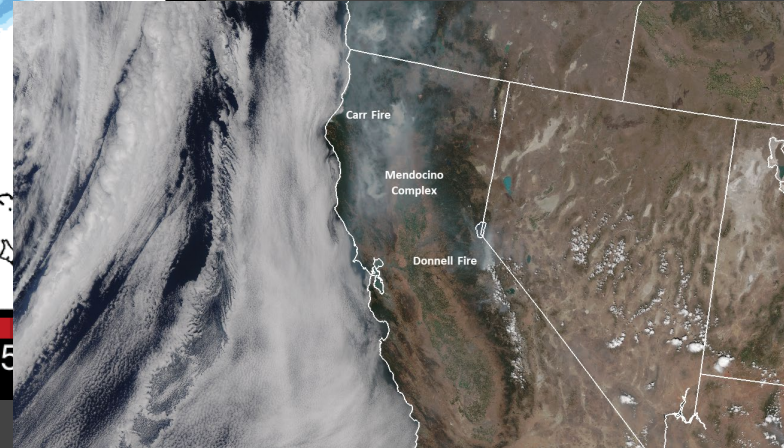


Air Chemistry Modeling - Where is the Smoke Going?

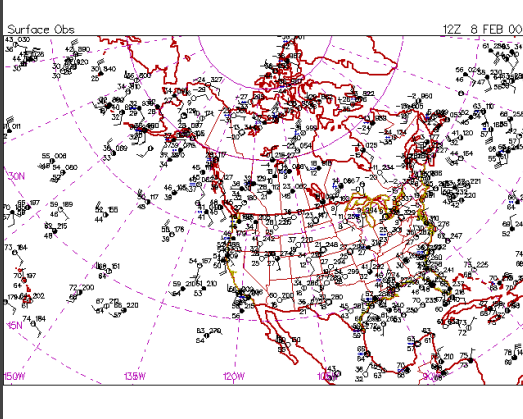
HRRR-SMOKE 2018-08-15 06 UTC 0h fcst - EXPERIMENTAL Valid 08/15/2018 06:00 UTC
Vertically Integrated Smoke (mg/m^2)



2 5 8 11 15 20 25 30 40 50 75 150 250



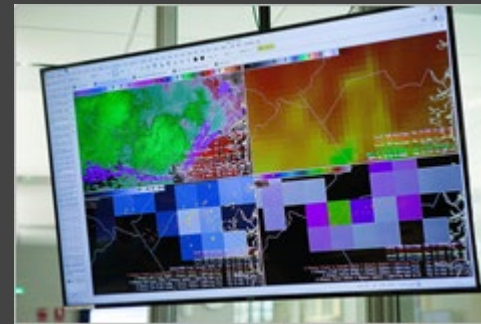
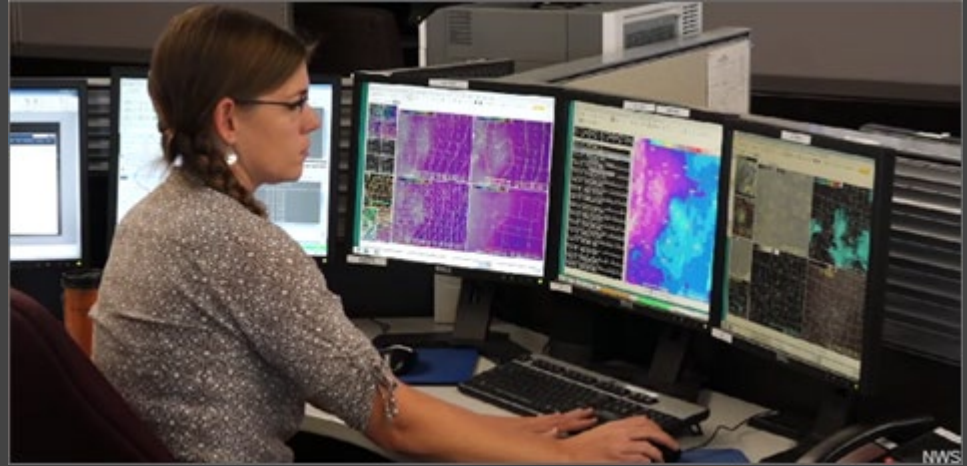
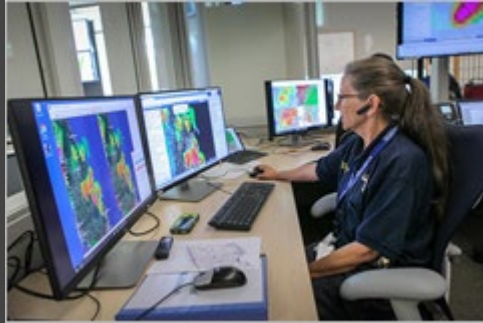
Data Assimilation Research - What's the Weather Right Now?



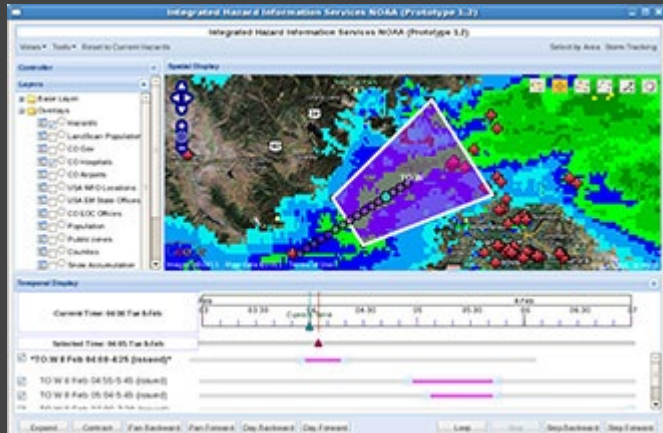
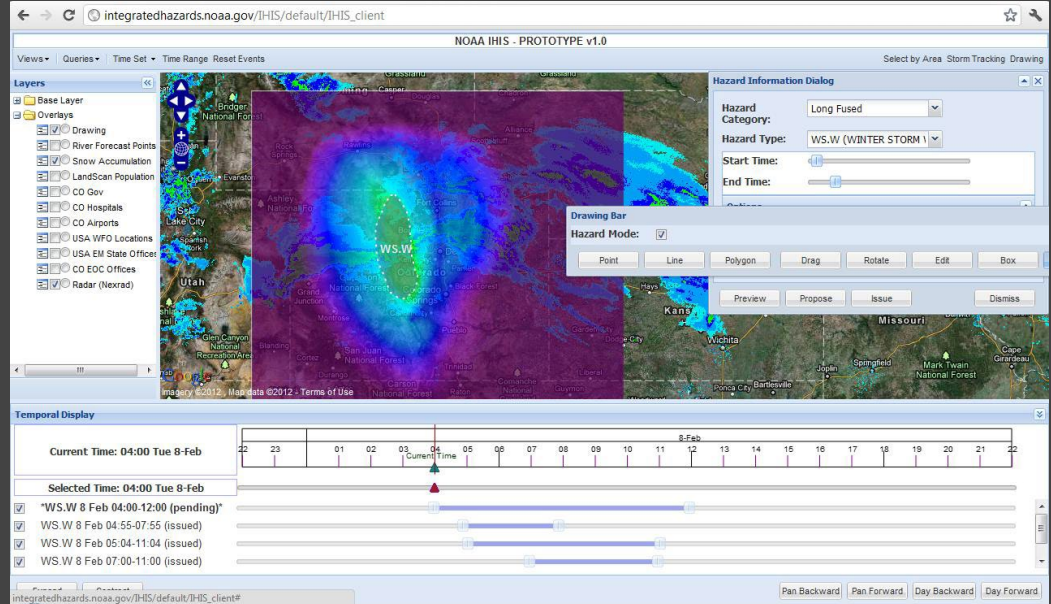
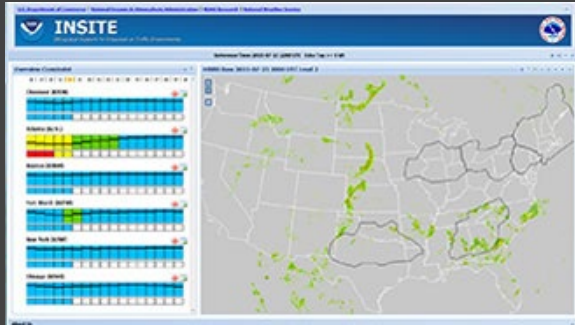
Communicating Weather Impacts



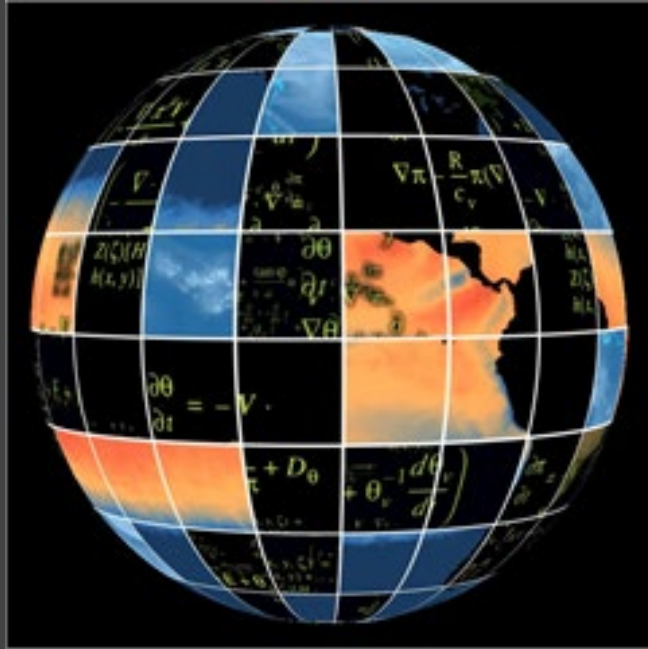
Working with Forecasters and Decision Makers



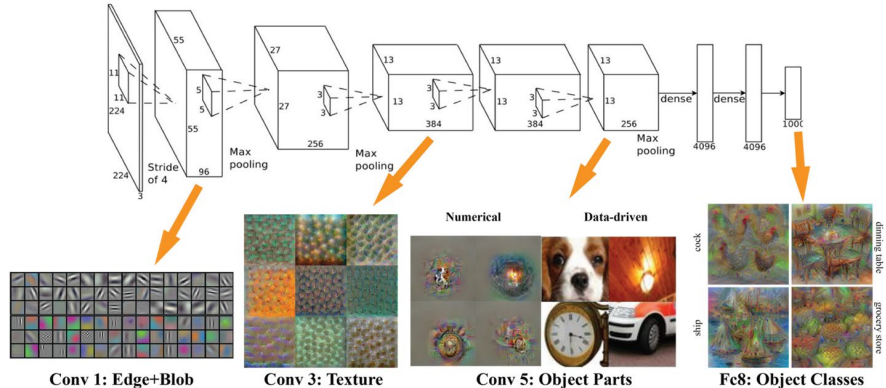
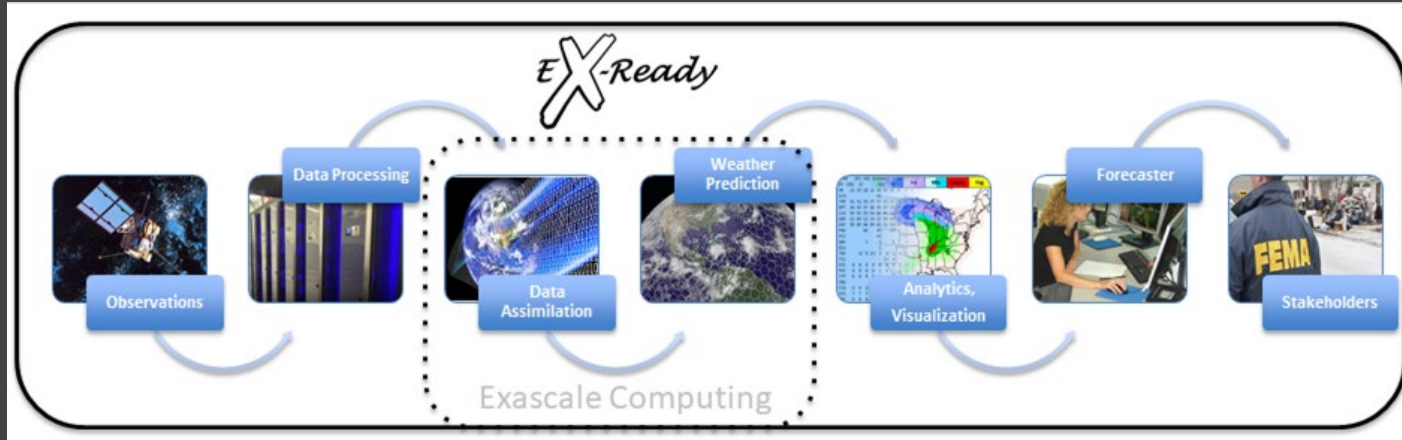
Tools to Track, Respond, Communicate Threats Effectively



High Performance Computing



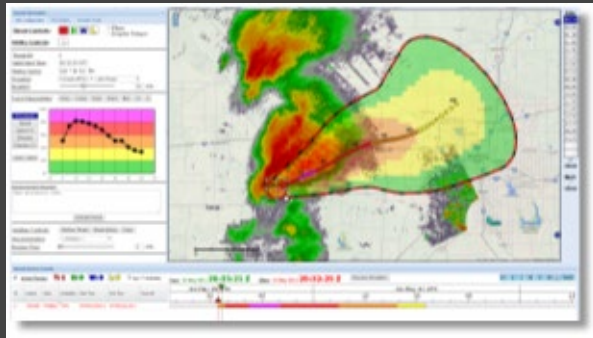
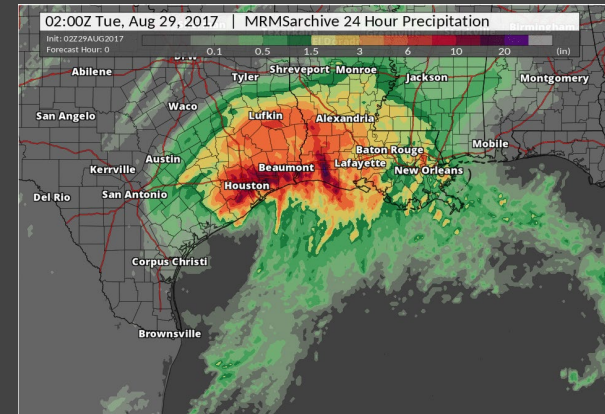
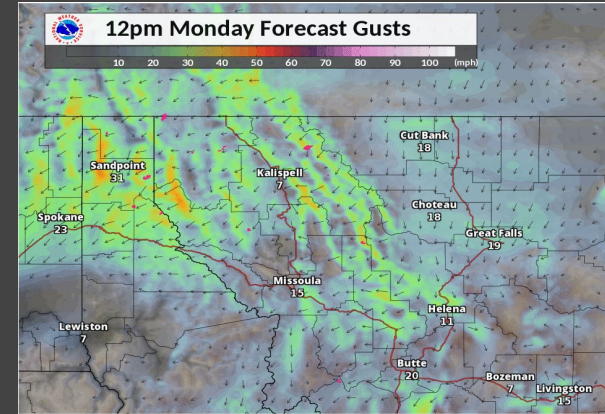
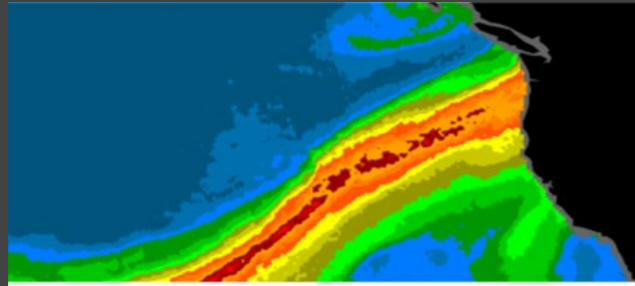
How Do You Handle All This Data?



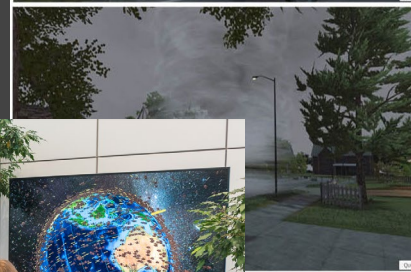
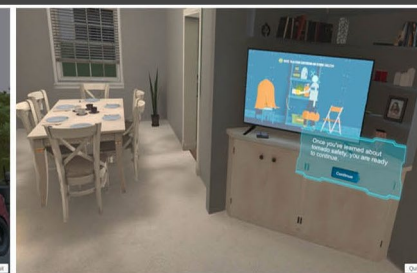
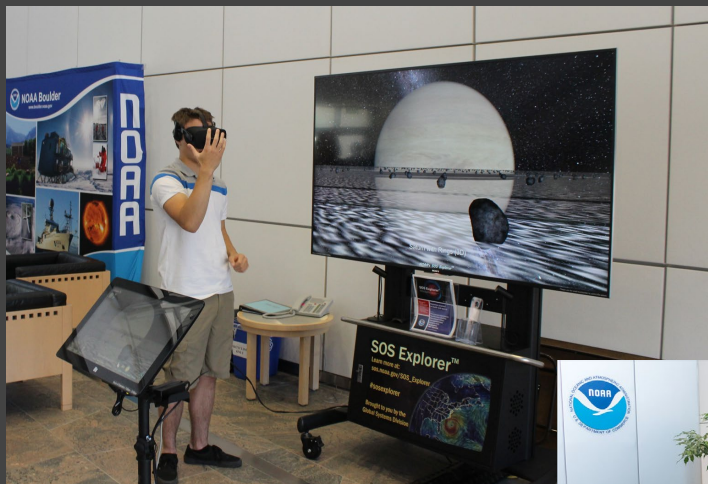
A visual representation of a convolutional neural net from the mNeuron plugin created for MIT's computer vision courses/teams.



New Tools



Understanding Science



Impacts of Research



Outside GSD, But Still Boulder

