Incorporating webGlobe in Energy-water Discovery Framework

Anomaly Detection in Energy-Water Nexus (IN11C-0632)

webGlobe - A cloud-based geospatial analysis framework for interacting with climate data

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Machine Learning Methods for Detecting Climate Anomalies in webGlobe

Analytical suite consists of a Gaussian process change detection algorithm. Allows spinning up iPython notebooks to drive analytics.

Data sets
- Climate data (1996-2011)
- NOAA observational data
- NCEP/NCAR analysis

Validation data
- NOAA storm events database

References

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