

## Visualizing Energy Resources Dynamically on Earth (VERDE)

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### Copyright Summary

The VERDE software system provides a scheme for ingesting and converting real-time data for wide-area energy grids into spatio-temporal formats. The software follows a network services architecture to apply contingency analysis and outage area analysis algorithms in the server and present them over the web to geospatio-temporal clients such as Google Earth<sup>®</sup>. VERDE selectively overlays live real-time weather feeds from various sources to situate energy grid status in the context of external events.

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