

Enabling Transparent Access to Geodata

Simple Python Geoserver API

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Problems

Isolated data

Incompatible formats

Needs:

Centralized data storage

Convenient API to load, manipulate, store
and push back the results

Solution: Python-GeoServer

Shapefile (Geoserver)

GeoJSON
(REST API)

Numpy Arrays
(client code)



API Description

- `get_features(server_url, layer)`
- `get_coverage(server_url, layer)`
- `put_layer(server_url, layer, data, metadata)`

- All methods take and receive NumPy arrays to help on numerical computations.

Buzzwords

Python

GeoServer

GeoJSON

OGR / GDAL

OWSLib

gsconfig.py

Shapely