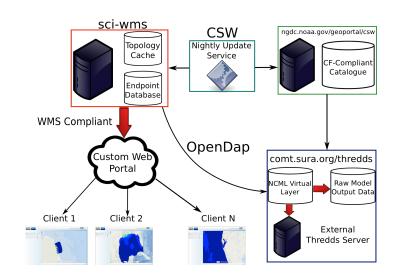
SCI-WMS: Python Web Mapping Service for Visualizing Geospatial Data

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- Web Mapping Service (WMS)
 - Deliver rasterized visualizations in response to http requests for views of geo-registered data
- IOOS COMT-Testbed
 - Project to accelerate the turn around from research to production quality systems
 - SCI-WMS deployed within the IOOS COMT framework for qualitative model forecasting assessment, algorithmic/parameter selection
- Supports any CF-Compliant dataset
 - ADCIRC, SELFE, SLOSH, FVCOM, WW3
- Currently querying datasets from NGDC catalog for data hosted at multiple institutions
 - USF, UND, MDL, UMASS, VIMS, DAL,...

http://testbedwww.sura.org/explorer/





Topology	OpenDap Endpoint
	http:// • • •
	http:// • • •
•	•
	http:// • • •

- Don't replicate and host data
- Store a local copy of topologies
- Use spatial oriented data structures to compute subset of data to downloaded from remote servers per request

