ArcGIS Server Geoportal Extension

Kim Jenkins
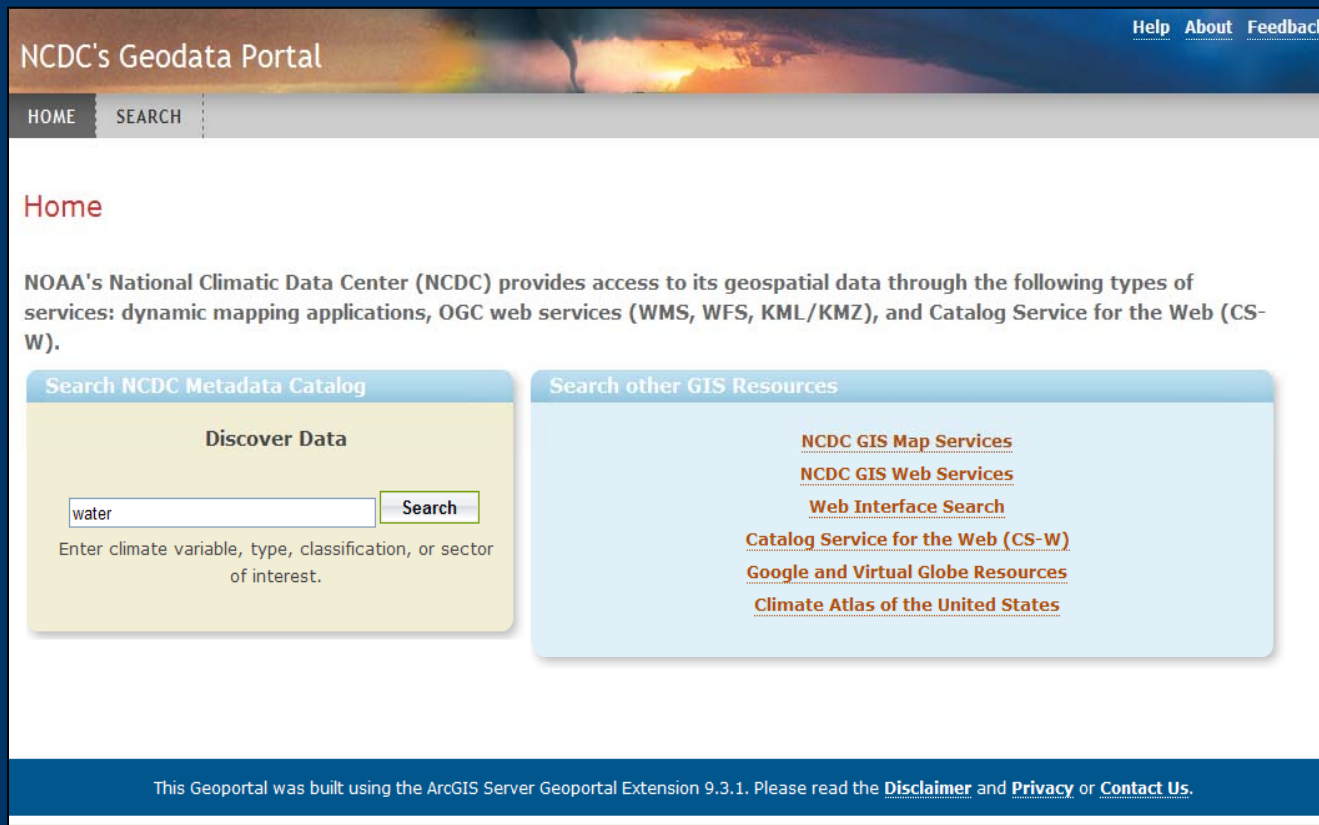## NOAA

NOAA Climate Services Geoportal

http://gis.ncdc.noaa.gov/geoportal

- Point place for all NOAA GIS climate data & services
- Metadata catalog driven 'Map Gallery' using Flex
- Currently at 9.3.1, upgrading to v10 in 2011

NOAA's Southeast & Caribbean Regional Data Explorer (DE)

Note: Final stages of beta testing
Planned release: March 2011

NOAA's Southeast & Caribbean DE
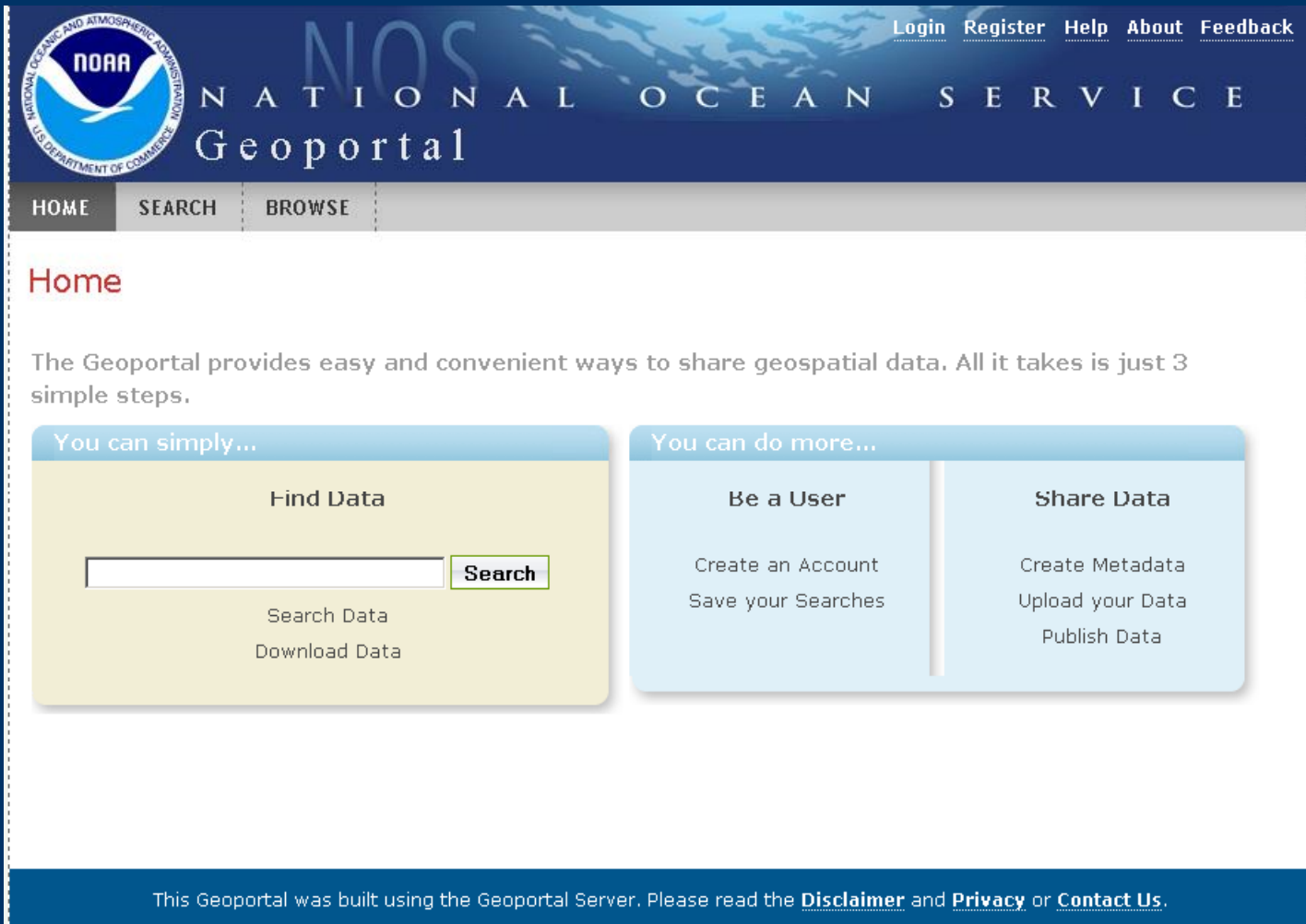
Features & Functionality

- ArcGIS Server + Geoportal (v.9.3.1)
- Full-text index for keyword search (FGDC metadata driven search)
- CS-W connection to NOAA Climate Services Portal
- Ontology Service

NOAA Ocean Service Data Explorer (DE)
NOAA – ESRI – Amazon Pilot

Note: Demonstration project currently in development
Planned release: April 2011

NOAA Ocean Service Data Explorer (DE)

- NOAA/NOS – ESRI Demonstration project
- ArcGIS Server + Geoportal (v10) hosted in Amazon EC2 Cloud
- OTB install/config, minor customizations (NOAA look and feel, Search by NOAA data provider/office)
- Harvest existing NOS metadata via WAF
- Issues and hurdles:
  - Require: FGDC compliant metadata ; The ESRI "Best Practices" metadata template = not acceptable for federal standards.
  - Custom changes to metadata definition files = labor intensive
  - Potential IT Security concerns

Questions?

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NOAA's National Ocean Service