

# ArcGIS Server Geoportal Extension

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NOAA

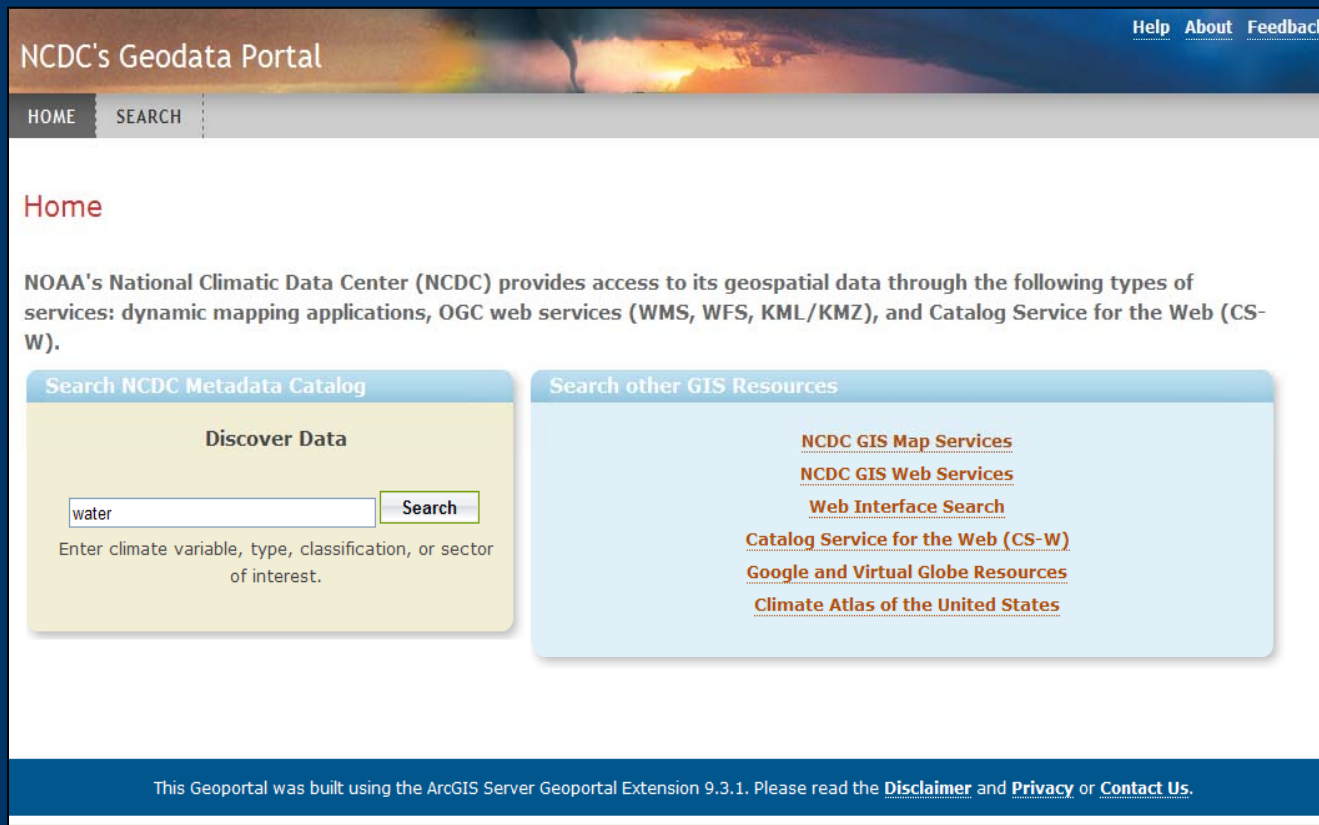


2011 ESRI Federal UC  
Geoportal User Group Meeting

# 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



The screenshot shows the NOAA Climate Services Geoportal homepage. At the top, there is a navigation bar with "HOME" and "SEARCH" tabs, and links for "Help", "About", and "Feedback". The main content area is titled "Home" and contains a paragraph describing NOAA's National Climatic Data Center (NCDC) services. Below this, there are two search boxes: "Search NCDC Metadata Catalog" and "Search other GIS Resources". The first search box has a text input field with "water" and a "Search" button. The second search box contains a list of links: "NCDC GIS Map Services", "NCDC GIS Web Services", "Web Interface Search", "Catalog Service for the Web (CS-W)", "Google and Virtual Globe Resources", and "Climate Atlas of the United States". At the bottom, a footer states: "This Geoportal was built using the ArcGIS Server Geoportal Extension 9.3.1. Please read the [Disclaimer](#) and [Privacy](#) or [Contact Us](#)."

NCDC's Geodata Portal [Help](#) [About](#) [Feedback](#)

HOME SEARCH

## Home

NOAA's National Climatic Data Center (NCDC) provides access to its geospatial data through the following types of services: dynamic mapping applications, OGC web services (WMS, WFS, KML/KMZ), and Catalog Service for the Web (CS-W).

### Search NCDC Metadata Catalog

**Discover Data**

Enter climate variable, type, classification, or sector of interest.

### Search other GIS Resources

- [NCDC GIS Map Services](#)
- [NCDC GIS Web Services](#)
- [Web Interface Search](#)
- [Catalog Service for the Web \(CS-W\)](#)
- [Google and Virtual Globe Resources](#)
- [Climate Atlas of the United States](#)

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

The image displays three overlapping screenshots of the NOAA Southeast & Caribbean Regional Data Explorer (DE) interface. The top-left screenshot shows the 'Find Data' search box with 'likepost' entered and a 'Search' button. The middle screenshot shows a map of Florida with a red box highlighting a region, and a list of search results including '2006 Velasco County, Florida Lidar' and '2004 Southwest Florida Water Management District Lidar'. The bottom-right screenshot shows a search results page with a list of articles and a map of the Southeastern United States.



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

# NOAA's Southeast & Caribbean DE

## Features & Functionality

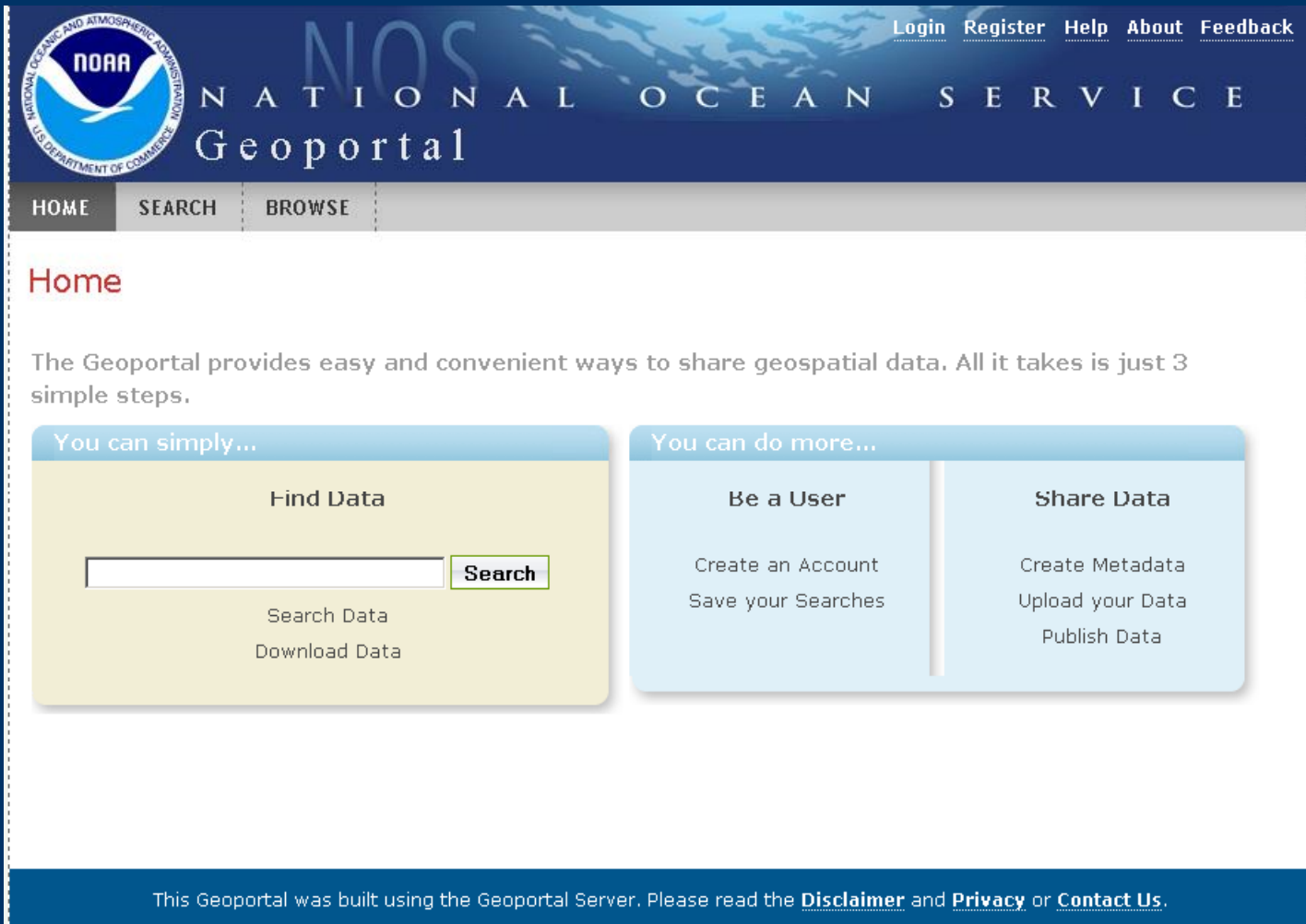
- ArcGIS Server + Geoportal (v.9.3.1)
- Full-text index for keyword search (FGDC metadata driven search)
- CS-W connection to NOAA Climate Services Portal
- Ontology Service

The screenshot displays the NOAA Southeast and Caribbean Data Explorer web application. The main interface includes a search bar with the text "habitat" and a "Search" button. Below the search bar, there are options for "Search In: This Site" and "Additional Options". A "Where" section allows users to select search criteria: "Anywhere", "Intersecting", or "Fully within". A map of the Southeastern United States and Caribbean region is visible, with several red boxes highlighting specific areas. On the right side, search results are displayed, including "Ship Track for Islands in the Stream 2002 - Deep Reef Habitat - Office of Ocean Exploration" and "Dive Activities for Lophelia II 2008 - Office of Ocean Exploration". A "Search In:" dialog box is open in the foreground, showing options to search in "This Site", "Arcgis Online", or "NOAA National Climatic Data Center". The dialog also includes a text input field for "Search the local Geoportal Extension site" and "OK" and "Cancel" buttons.



# NOAA Ocean Service Data Explorer (DE)

## NOAA – ESRI – Amazon Pilot



The screenshot shows the NOAA National Ocean Service Geoportal homepage. At the top left is the NOAA logo. To its right is the text "NATIONAL OCEAN SERVICE" and "Geoportal". In the top right corner, there are links for "Login", "Register", "Help", "About", and "Feedback". Below the header is a navigation bar with "HOME", "SEARCH", and "BROWSE" buttons. The main content area starts with a "Home" heading. A paragraph states: "The Geoportal provides easy and convenient ways to share geospatial data. All it takes is just 3 simple steps." Below this are two main sections: "You can simply..." and "You can do more...". The "You can simply..." section has a "Find Data" heading, a search input field with a "Search" button, and links for "Search Data" and "Download Data". The "You can do more..." section is split into two columns. The left column has a "Be a User" heading and links for "Create an Account" and "Save your Searches". The right column has a "Share Data" heading and links for "Create Metadata", "Upload your Data", and "Publish Data". At the bottom of the page, a footer note says: "This Geoportal was built using the Geoportal Server. Please read the [Disclaimer](#) and [Privacy](#) or [Contact Us](#)."



*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**