



REACCH
Regional Approaches
to Climate Change –
PACIFIC NORTHWEST AGRICULTURE

REACCH Data Management GIS/AEZ Summer Short Course 2013

Data Management Review

July 19th, 2013



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REACCH DM Session Overview

- Introductions
- Summary and clarifications of REACCH Data Management
 - www.REACCHPNA.org
 - REACCH Data Library
 - REACCH Analysis Library
- Live walk-thru with Q & A





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Important REACCH Links

GIS/AEZ Short Course content

<https://www.reacchpna.org/mission/education/graduate/courses/gis-aez/>

REACCH Media Library

<https://www.reacchpna.org/resources/reacch-media-library/>

REACCH Data Library

<https://www.reacchpna.org/resources/reacch-data-library/>

REACCH Analysis Library

<https://www.reacchpna.org/resources/reacch-analysis-library/>

REACCH Extranet

<https://www.reacchpna.org/extranet>



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www.reacchpna.org

The screenshot shows the REACCH website homepage. At the top is a navigation bar with links: Home, What's New, About, Mission, Resources, and Login. Below the navigation bar is a large banner image of a person in a field, with the text "REACCH World Sampling 2012". To the left of the banner is the REACCH logo and a search bar. Below the banner is a section titled "Welcome to REACCH!" which includes a list of links (system status, provide feedback, how do I?, file a request ticket, review a request) and a paragraph about the project. To the right of the welcome section is a map of the Pacific Northwest region. Below the map is a section titled "REACCH Study Area and Research Stations (2013)" with a link to "Examine this REACCH data in more detail using REACCH's ArcGIS Online Portal". At the bottom left, there are two news items: "REACCH Hires New Extension Specialist" and "REACCH Field Days 2013 Schedule".

Summer 2013

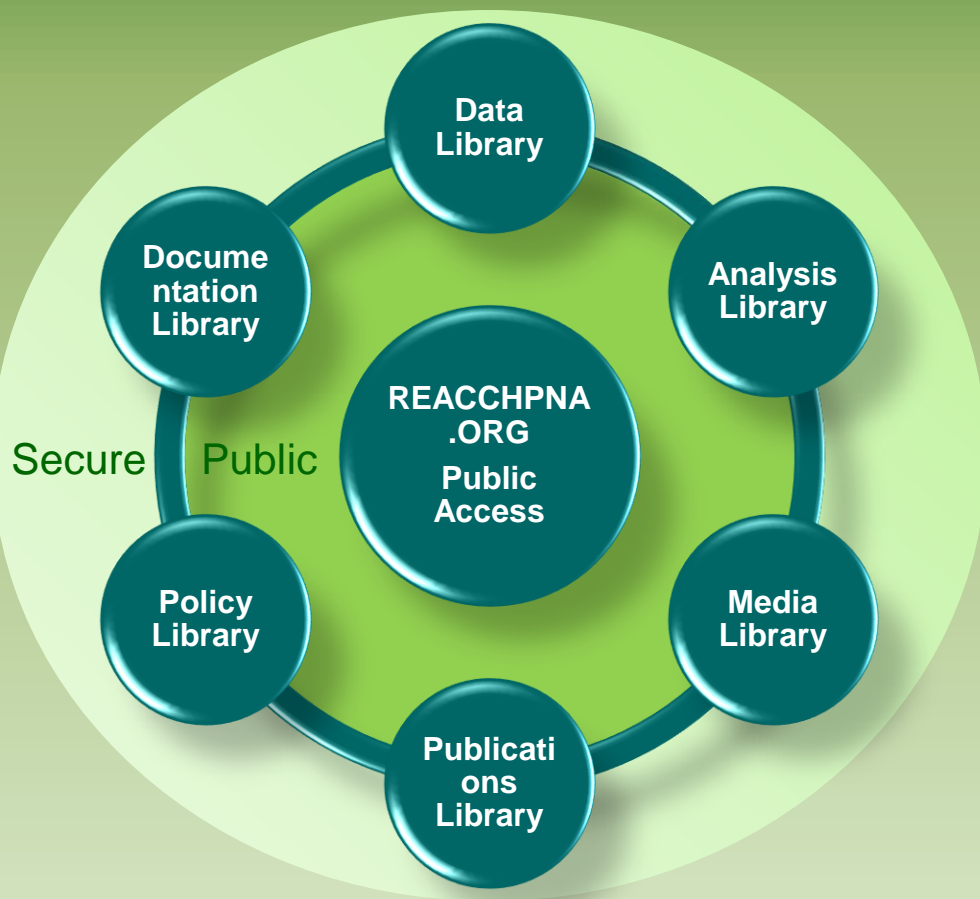
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REACCH Data Management Overview 2013

- Reacchpna.org is the core entry point to accessing information, policy, data, media, and documentation.
- REACCH Libraries are approach to displaying information to the public and to the REACCH team.



REACCH Physical
Architecture Thru
Winter 2013

File Storage access via
SSH

ArcGIS Desktop
Data Access

REACCH Users

Secure Authentication

REACCHPNA
Secure
Content

REACCHPNA
.org portal



Central Desktop
Intranet Collaboration Portal

Secure Authentication
SSH

IDAHO IRON
NETWORK

Idaho National
Laboratories
REPLICATION

Reacchapp.nkn.uidaho.edu

REACCH Data
Library

Reacchdb.nkn.uidaho.edu

REACCH Postgresql DBs File Storage

NKN LDAP

Reacch.nkn.uidaho.edu

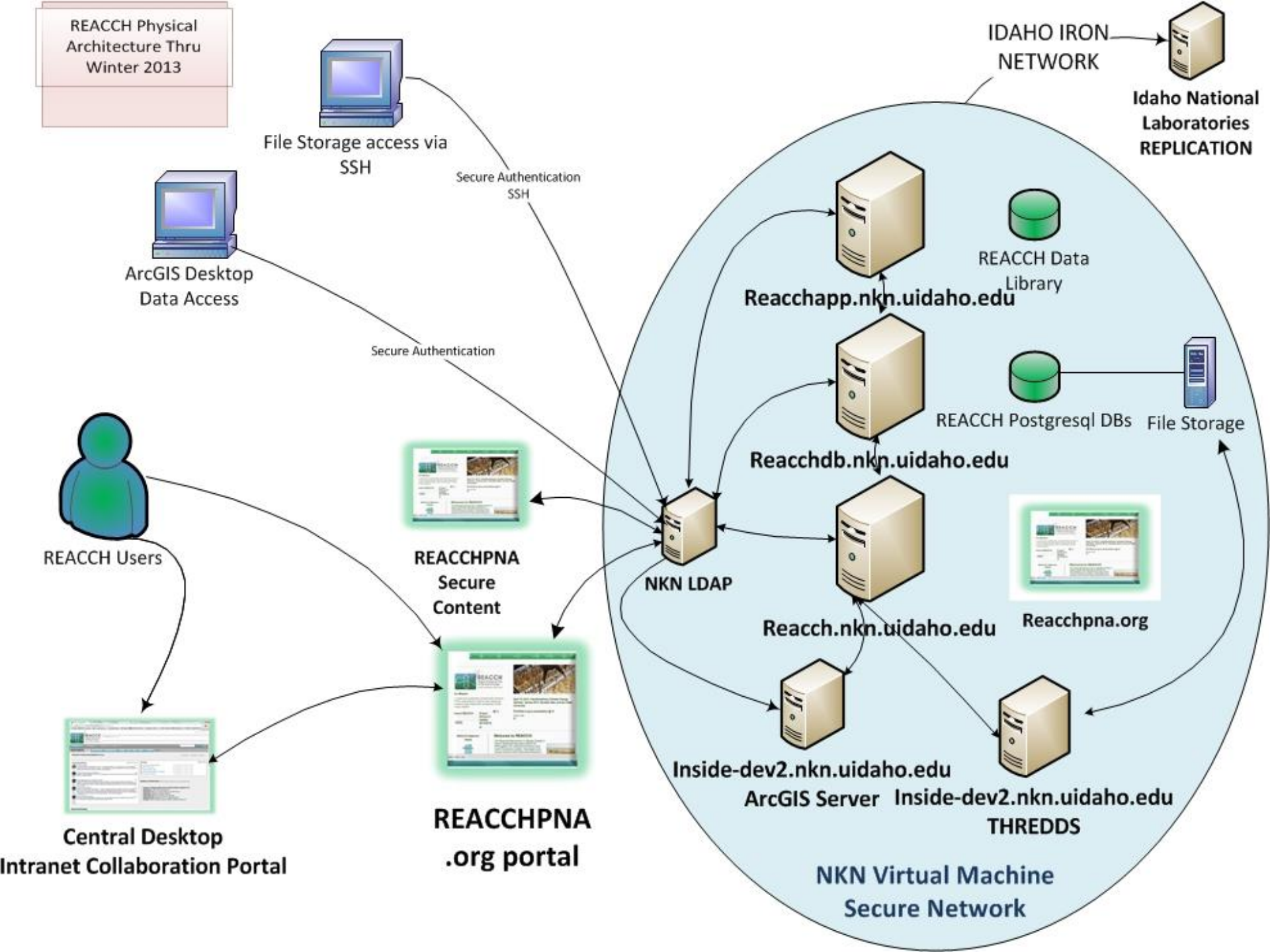
Reacchpna.org

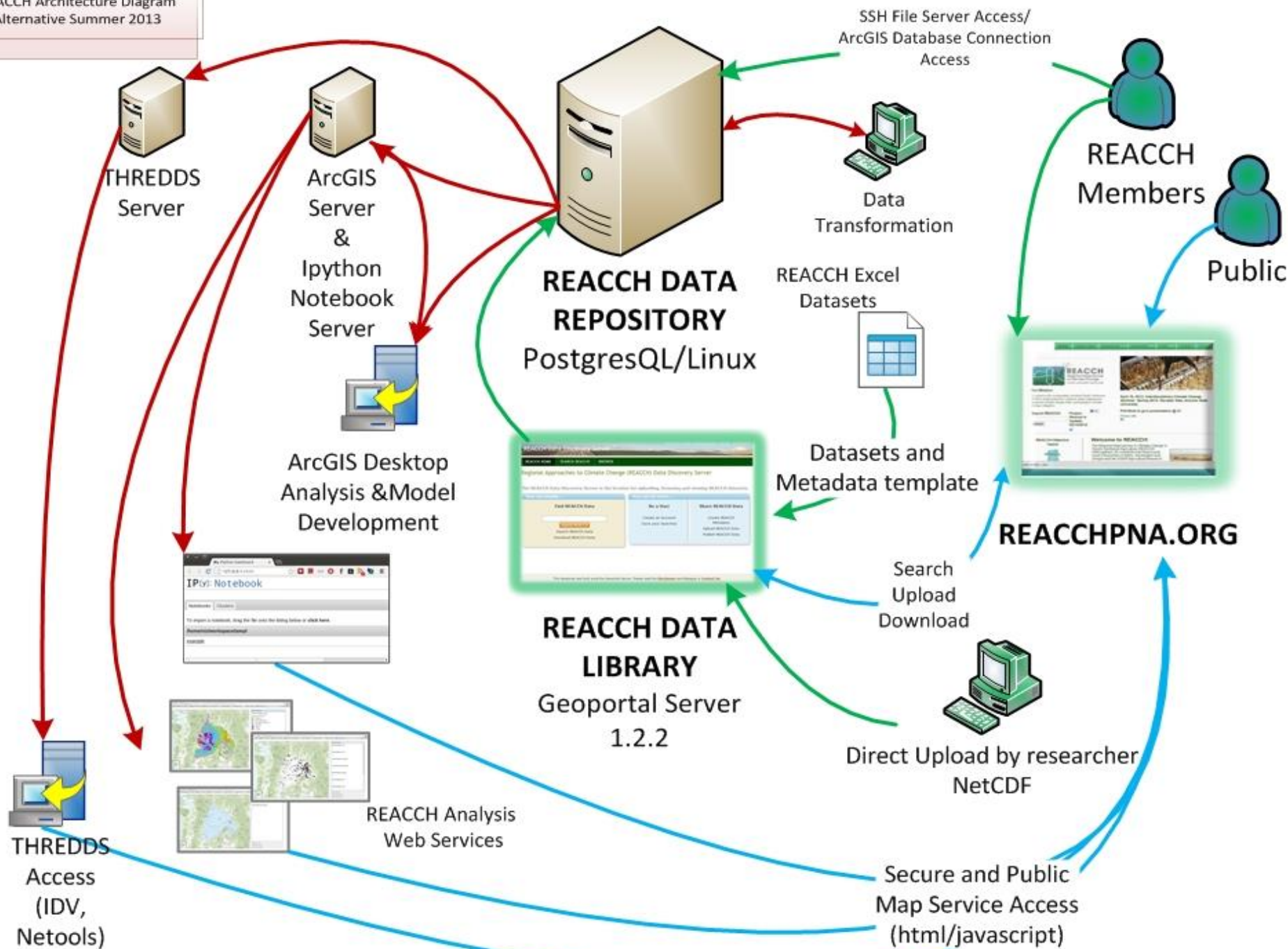
Inside-dev2.nkn.uidaho.edu

ArcGIS Server Inside-dev2.nkn.uidaho.edu

THREDDS

NKN Virtual Machine
Secure Network







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REACCH Data Management Summary and Clarifications

The screenshot shows the REACCH website homepage. At the top is a navigation bar with links: Home, What's New, About, Mission, Resources, and Login. Below the navigation bar is a header section with the REACCH logo on the left and a large image of a person in a field on the right, with the text "REACCH Weed Sampling 2012". Below the header is a main content area. On the left, there is a circular diagram with three gears labeled "Education", "Research", and "Extension", with arrows indicating a cycle. Below this diagram is a "REACCH News & Events" section. The first article is titled "REACCH Hires New Extension Specialist" and mentions "May 22th, 2013". The second article is titled "REACCH Field Days 2013 Schedule" and also mentions "May 22th, 2013". On the right side of the main content area, there is a "Welcome to REACCH!" section. It includes a list of links: "system status", "provide feedback", "how do I?", "file a request ticket", and "review a request". Below this list is a paragraph about the REACCH project, stating it is a coordinated regional agricultural project funded by the National Institute for Food and Agriculture. To the right of this paragraph is a map of the Pacific Northwest region. Below the map is a link to "REACCH Study Area and Research Stations (2013)". At the bottom of the page, there is a paragraph about the project's partnership with four institutions: USDA Agricultural Research Service, University of Idaho, Washington State University, and Oregon State University.

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Home | What's New | About | Mission | Resources | Login

REACCH Weed Sampling 2012

Welcome to REACCH!

- system status
- provide feedback
- how do I?
- file a request ticket
- review a request

You are now logged in as a verified REACCH User. Based on your access rights, you can now review information and gain access to specific REACCH documentation, publications, media, and analytical tools, listed under the Resources tab.

Currently logged in as **erichs**. [Sign Out](#)

The **Regional Approaches to Climate Change** project is a coordinated regional agricultural project, funded by the **National Institute for Food and Agriculture** to improve the long-term profitability of the cereal production systems in the Pacific Northwest under ongoing and projected climate change, while contributing to climate change mitigation by reducing emissions of greenhouse gases.

REACCH includes efforts in research, extension, and education that integrates diverse elements including climate modeling, cropping systems modeling, economics, agronomy, crop protection, and others in a transdisciplinary manner.

The project is a partnership of four institutions (USDA Agricultural Research Service, University of Idaho, Washington State University, and Oregon State University), with more than 50 scientists, students and postdocs are participating. It also includes an educational element by developing programs for K-12.

REACCH News & Events

REACCH Hires New Extension Specialist
May 22th, 2013: Please welcome Kristy Borrelli as REACCH's new Extension Specialist.

REACCH Field Days 2013 Schedule
May 22th, 2013: Join REACCH team members at several field days around the region.

REACCH Study Area and Research Stations (2013)
Examine this REACCH data in more detail using REACCH's ArcGIS Online Portal

Summer 2013

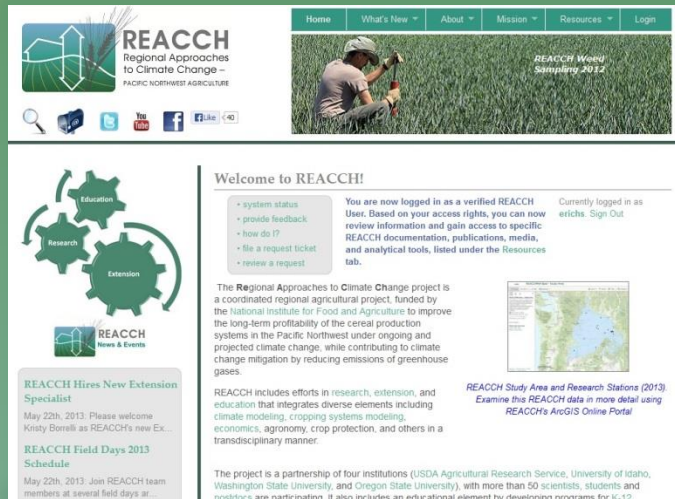
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REACCH Web Portal

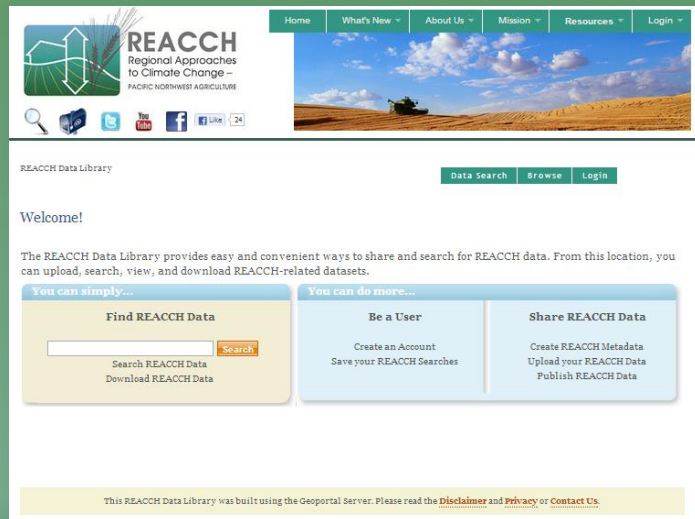
Summary and Clarifications

- Your login and password should have been recently emailed to you. If not, email erich@uidaho.edu
- The REACCH Extranet page explains what applications need this extra authentication. **However, when in doubt, authenticate via the Extranet.**





REACCH Data Library Summary and Clarifications



- **Authenticate to the REACCH Extranet FIRST** before searching the Data Library.
- Each entry in our Data Library should have multiple distribution links under the 'Details' link.
- You may need to login to our REACCH ArcGIS API to view data layers. Use your REACCH web site login.
- Add security acceptations in your browser for:

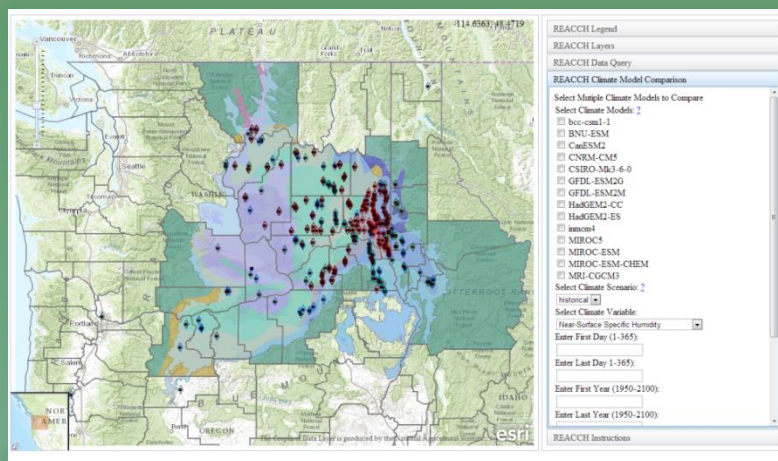
inside-dev2.nkn.uidaho.edu



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REACCH Analysis Library Summary and Clarifications

- Authenticate to the REACCH Extranet for REACCH Analysis Library Access, or for ArcGIS Desktop access
- lpython.reacchpna.org
- thredds.reacchpna.org
- data.reacchpna.org





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REACCH Live Walk Thru

- Quick review of www.reacchpna.org
- Access and use REACCH Data Library
 - Search
 - Upload
 - manage
- Access and use REACCH Analysis Library
 - ArcGIS online portal
 - REACCH Climatic Data Viewer (javascript)
 - REACCH THREDDS Catalog
 - REACCH Ipython
 - REACCH Database Connection via ArcGIS Desktop

You may ask questions!

