



REACCH
Regional Approaches
to Climate Change –
PACIFIC NORTHWEST AGRICULTURE

**Annual
Meeting 2013
Speed Science
Presentations**

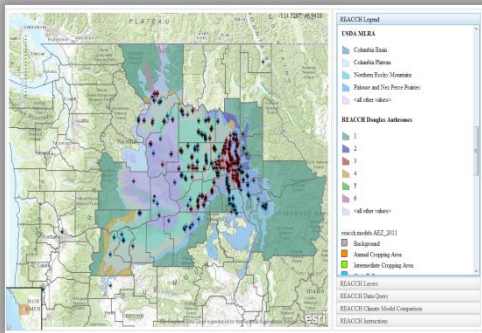


REACCH Data Management Architecture 2013

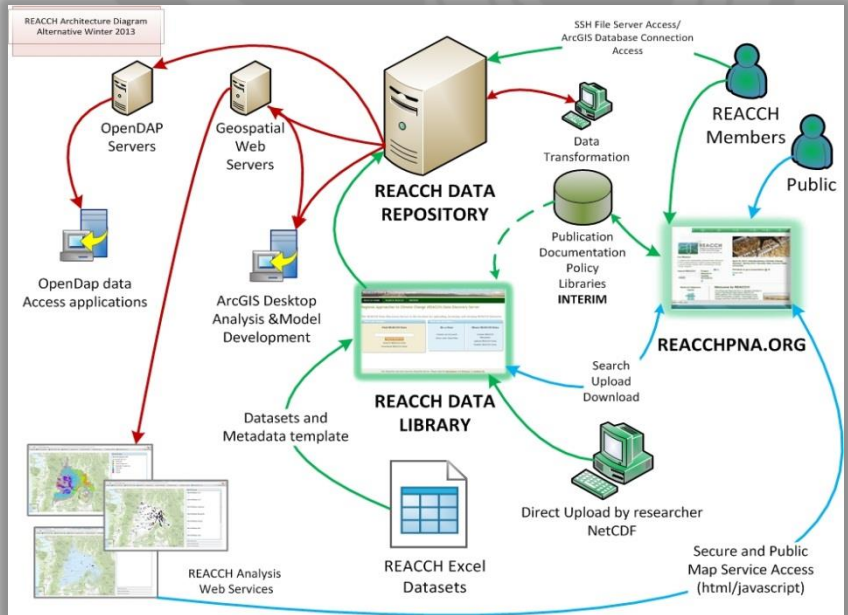
Erich Seamon, University of Idaho

The REACCH Data Management team has made considerable progress in 2nd year of REACCH's five-year project effort – with a core focus on implementing the defined strategy that was described in Year 1. That strategy outlined the development of modular, sustainable, and extensible systems and processes that would allow for the collection, storing, and analyzing of REACCH-related data and content. In support of this strategy – the REACCH data management team has built out three core systems to implement this approach. 1) Our reacchpna.org portal, 2) The REACCH Data Repository, and 3) REACCH Libraries.

Supporting these three core areas is a developed architecture that includes a three-tier server environment (data, applications, web), a geospatial server environment for web mapping services, an LDAP secure login server for unified user logins across systems, replication/mirroring of data @ Idaho National Laboratories (INL), and authentication methods for allowing REACCH members outside of the University of Idaho to securely access data, based on user roles.



Pictures shown, from top to bottom, are:
1) REACCHPNA.ORG web site;
2) REACCH Data Viewer web application



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