



**REACCH**  
Regional Approaches  
to Climate Change –  
PACIFIC NORTHWEST AGRICULTURE

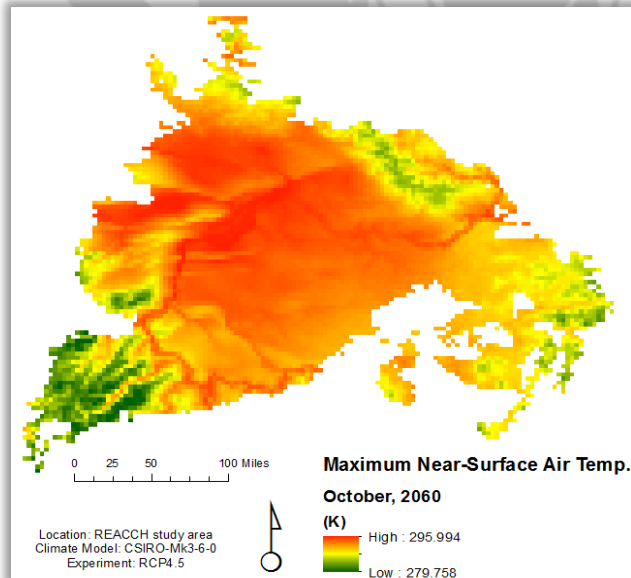
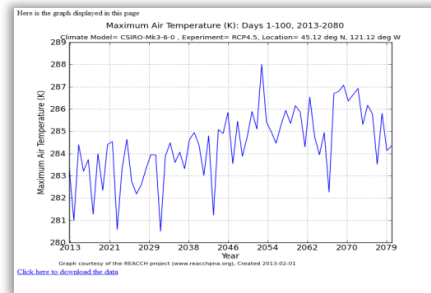
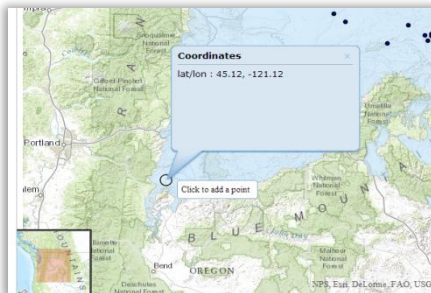
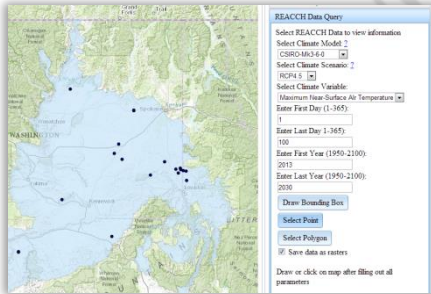
**Annual  
Meeting 2013  
Speed Science  
Presentations**



## REACCH Data Access and Visualization

### Stephen Fricke, University of Idaho

Data is much more useful if it can be visualized in a meaningful way. There are many datasets with a very wide spatial and temporal extent, and it can be difficult for many to access these datasets in an efficient manner. In order to remedy this issue we have created a variety of geoprocessing services within ArcGIS desktop, as well as web applications using ESRI's web API service. One of the goals of these services is to allow the access of data for a very specific area and time period of interest. Once these extents have been defined, the services we have created allow the capability to create a wide array of maps graphs., as well as the ability for the user to download the data in a variety of formats ranging from CSV's to ArcGIS rasters. We have built a solid foundation in creating these services, so that new services can easily be created which suite a clients unique interests and needs.



- Pictures shown, from top to bottom, are:
- 1) The user-interface for entering data parameters.
  - 2) The interactive selection of the area of interest.
  - 3) The resulting time-series graph.

This presentation was given at REACCH 2013 Annual Meeting. This handout and supplemental video are available at [reacchpna.org](http://reacchpna.org). Funded through Award # 2011-68002-30191 from the USDA National Institute for Food and Agriculture.



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Department of  
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