A Public Release of WRF Portal

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WRF Portal is Released on April 11, 2008

- WRF Portal is the graphical user interface (GUI) front end for configuring and running both WRF cores: ARW and NMM, as well as configuring and running your own programs/scripts (like post).
- Simplifies the selection/localization of your domain, as well as configuring namelist.wps and namelist.input
- Employs workflow editor to create workflows and run them
- Monitors progress of workflow runs, reports any errors
- Works on either local computer or remote computers using SSH-2
- Works with either internal workflow manager or external one that supports SGE and LSF

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WRF Portal Convenience Features

- Can run portal on one computer (e.g. Windows, Linux, or Mac) and execute workflows on another computer
- Can cancel (halt) runs in progress
- Eliminates need to create and maintain complicated directory trees and configuration files
- Easily search past workflows based on multiple criteria
- Remembers your preferences (e.g. automatically fills in default information for new workflows/runs)
- Portal (initial) setup is simple with the Portal Wizard
- Includes Diff tool for comparing workflows and files

Includes WRF Domain Wizard (WDW)

- WDW configures and runs WRF Preprocessing System (WPS)
 - select region of Earth for domain and map projection parameters
 - □ Edit nests
 - □ Run WPS programs (ungrib, geogrid, and metgrid)
 - Visualize NetCDF output with Panoply or Google Earth
 - namelist.input editor (automatically fills in many parameters for you)
 - □ Graphical vertical (ETA level) editor
 - Supports latest WRF/WPS 3 lat-lon regional and global domains

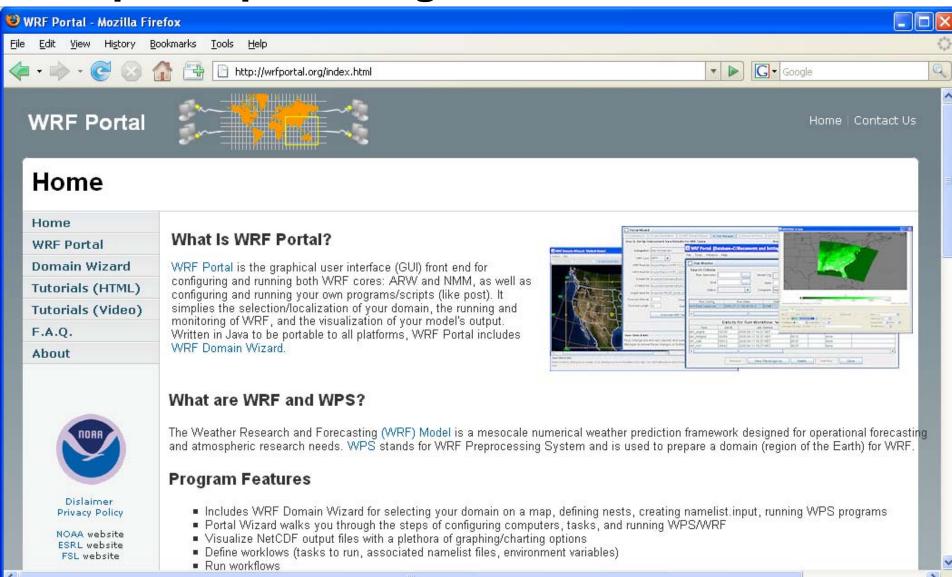


WRF Portal

- Zero installation!
 - □ Just click a web link and the Java webstart application just launches from your web browser
 - Portal Wizard guides you through the steps to set up the portal
 - □ Requires Java 1.5 or later
 - Can also download and run from command line
 - □ Runs on virtually all platforms

http://wrfportal.org

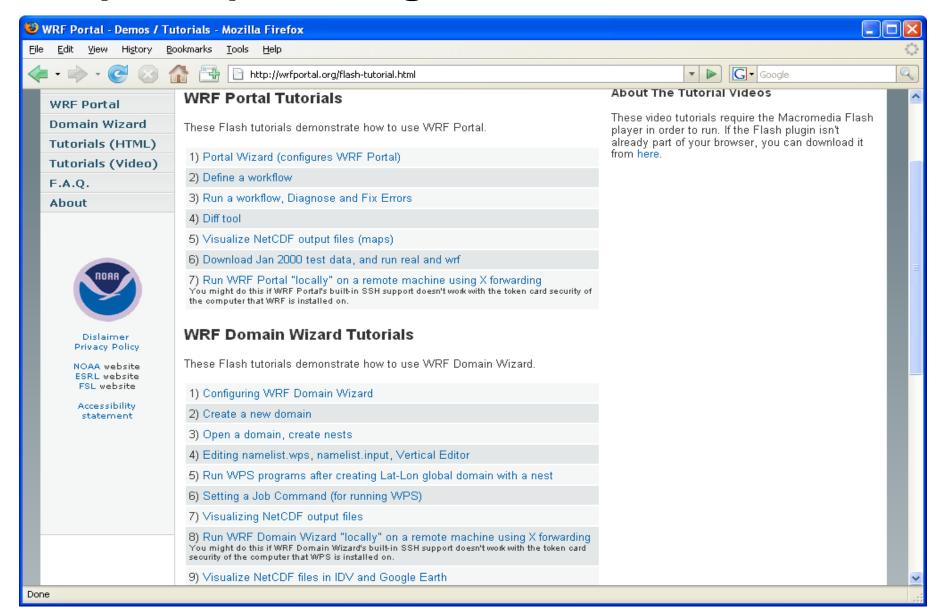
Done

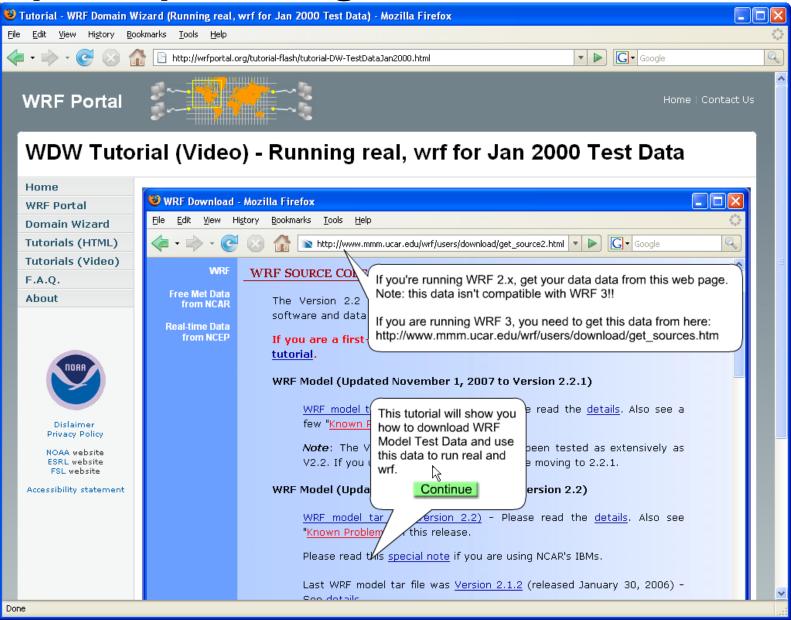


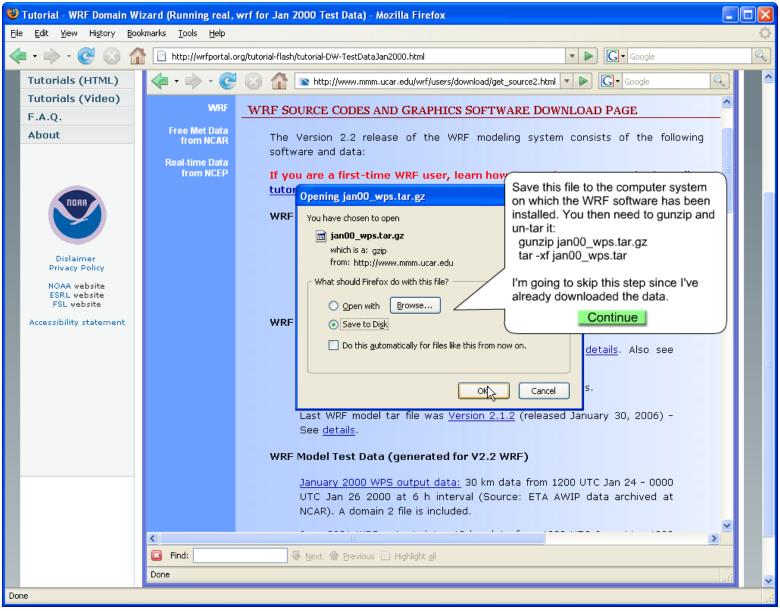


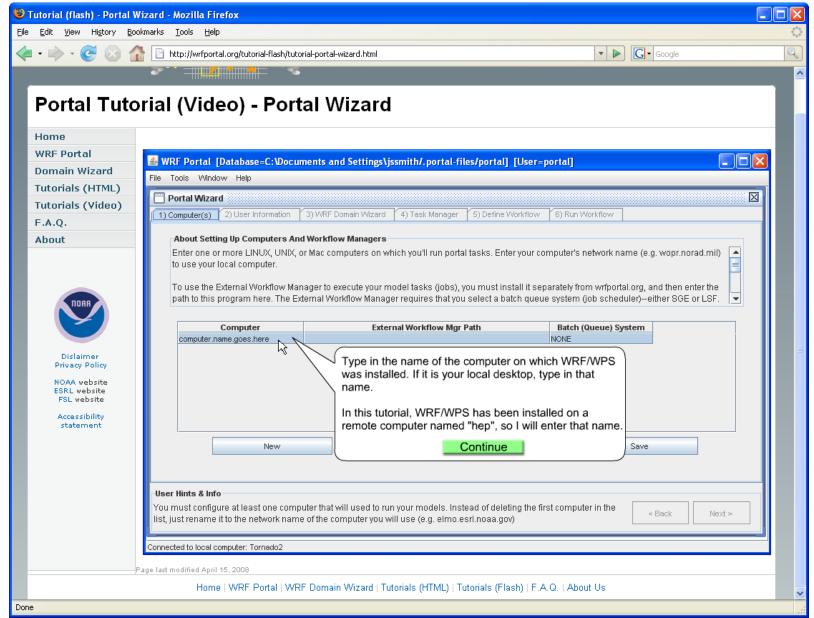
Support

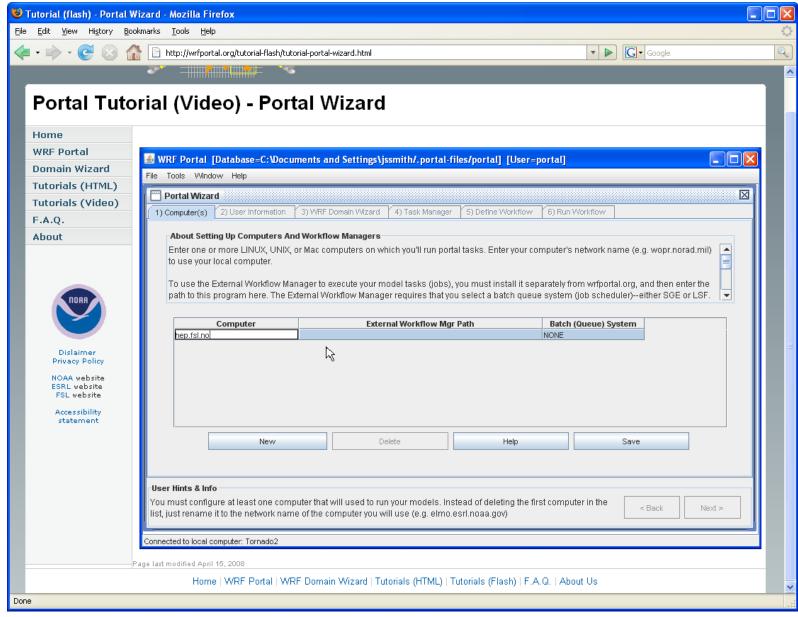
- Email support and links to online forums here: http://wrfportal.org/about.html
- 17 video (flash) tutorials here: http://wrfportal.org/flash-tutorial.html
- 8 html tutorials here: http://wrfportal.org/html-tutorial.html



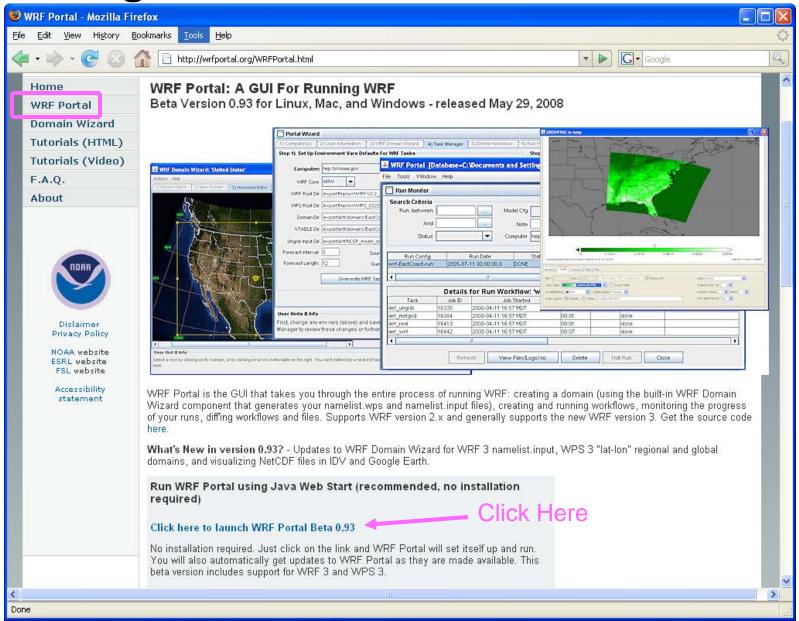




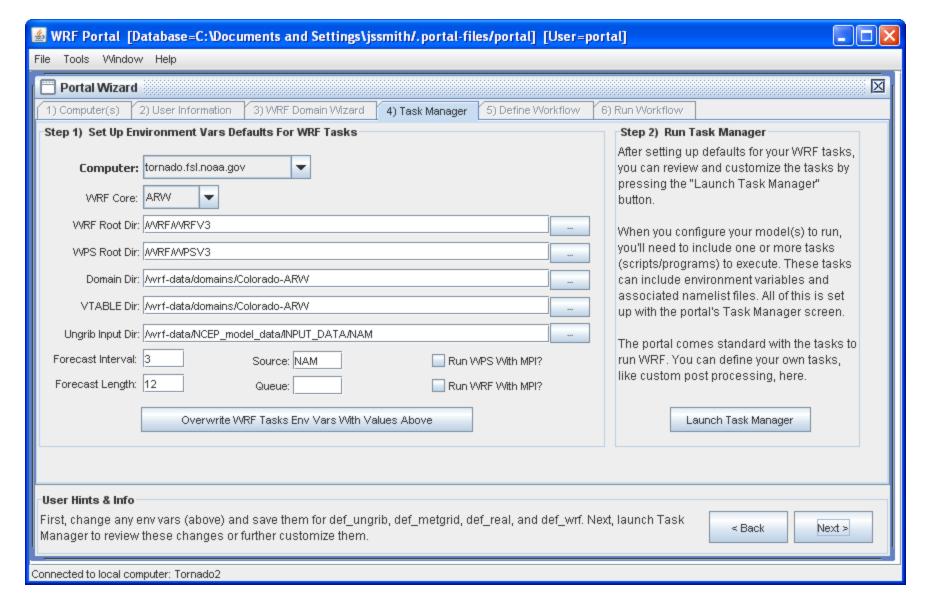




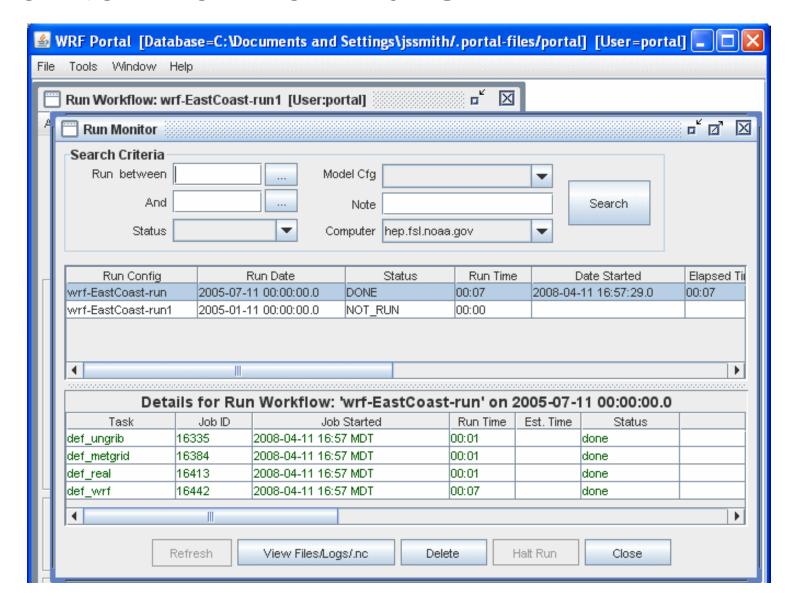
Running WRF Portal From The Web



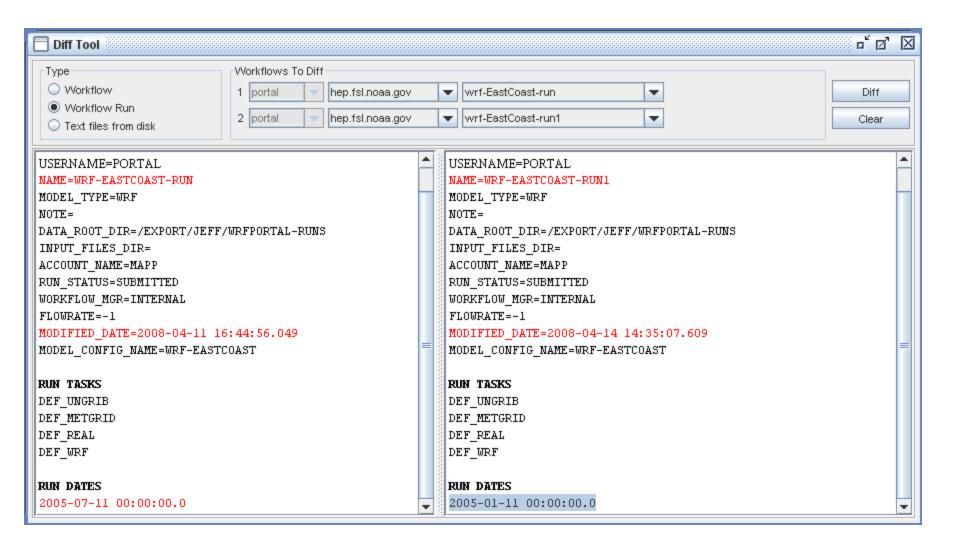
Portal Wizard (sets up WRF Portal)



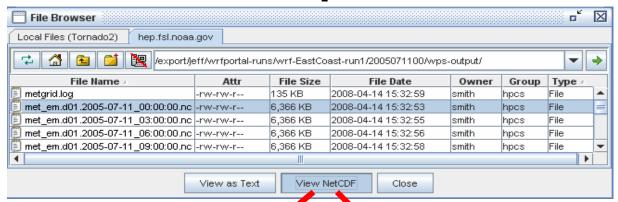
Monitor Workflow Runs

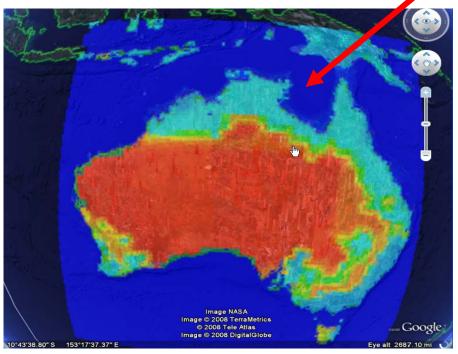


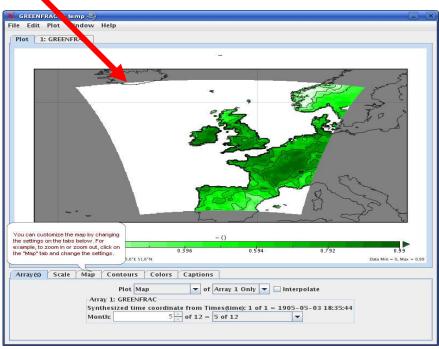
Diff Tool compares workflows and files



Visualize NetCDF output files



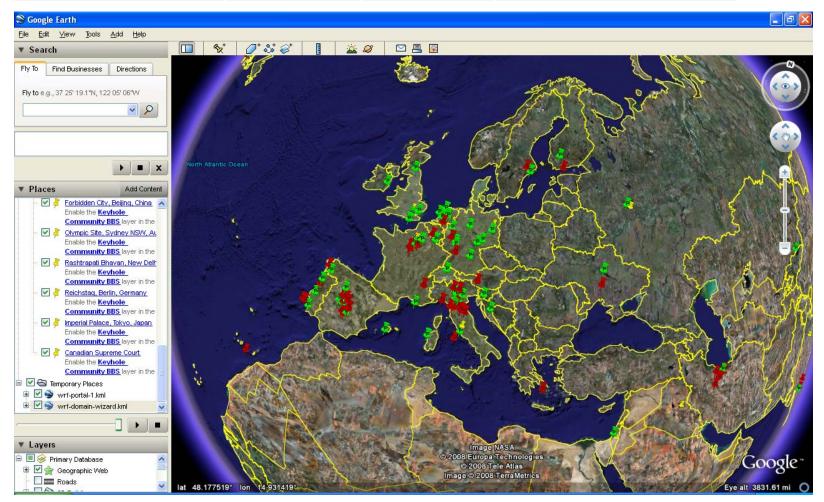


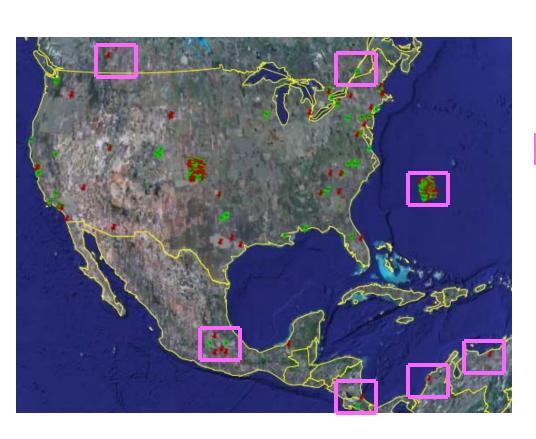


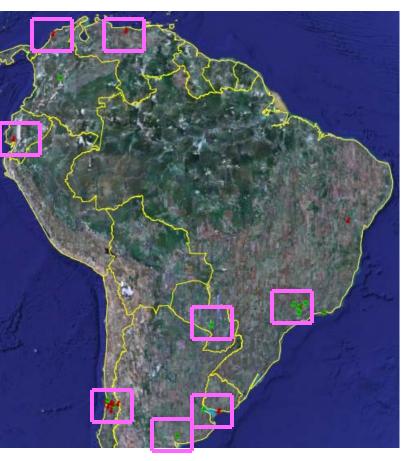
Google Earth

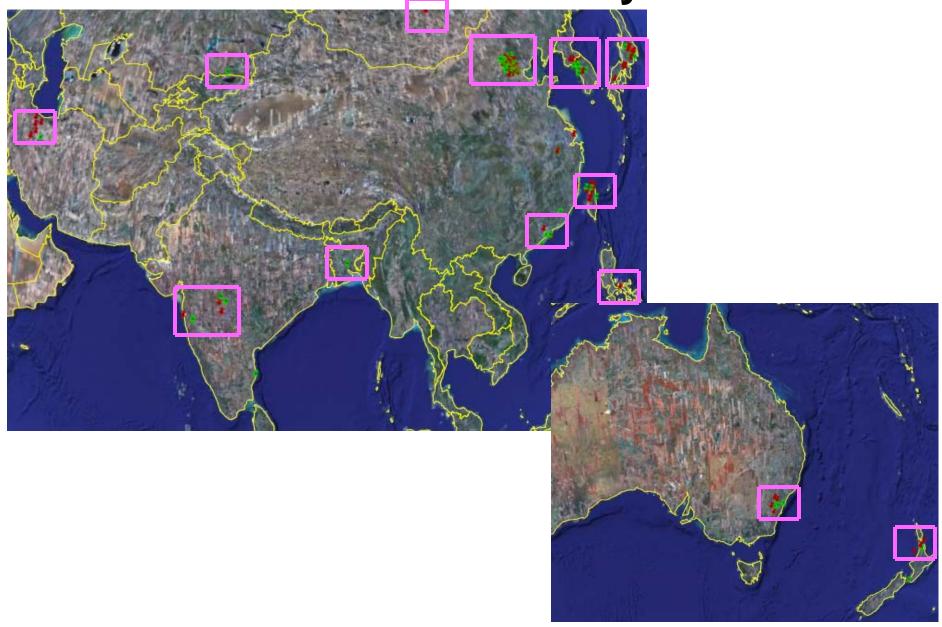
Panoply

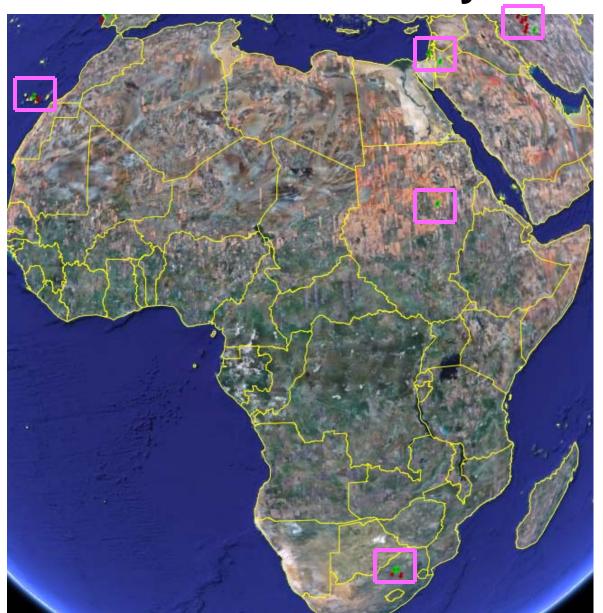
Software	Est. Users	Countries	Google Earth	
WRF Portal	314	47	open in Google Earth	
WRF Domain Wizard	448	47	open in Google Earth	3
Ext. Workflow Mgr	27	9	open in Google Earth	













Credits

- Software developed by Aviation Branch of ESRL's Global Systems Division (part of NOAA)
- Jeff Smith, Mark Govett, Paula McCaslin, Chris Harrop
- See our poster on Wednesday afternoon

Questions?