

WELD

Collaboration

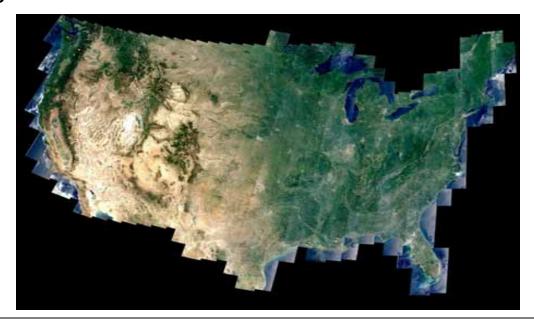
- USGS
- South Dakota State University Geographic Information Science
 Center of Excellence

Funded by NASA

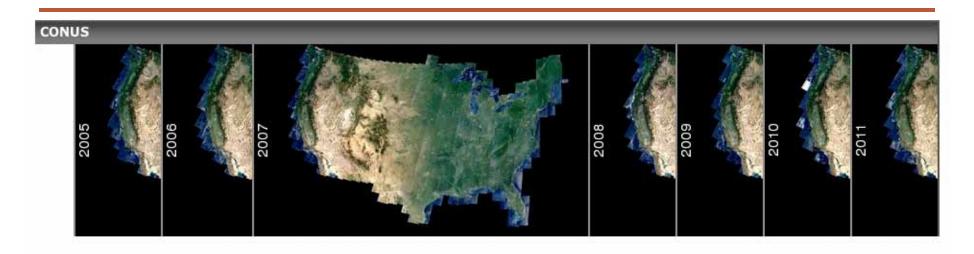
- USGS cost sharing
- WELD generates 30-meter composites
 - Landsat 7 ETM+
 - Terrain corrected (Level 1T)
 - Weekly, monthly, seasonal and annual periods mosaics
 - For conterminous United States (CONUS) and Alaska.

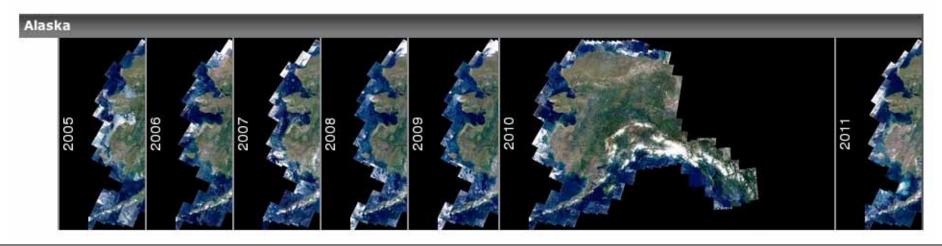
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These mosaics provide consistent data that can be used to derive land cover as well as geo-physical and biophysical products for regional assessment of surface dynamics and to study Earth system functioning.

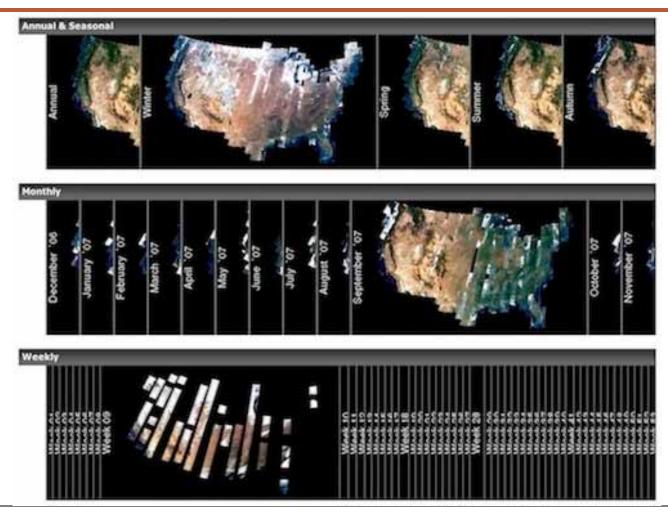




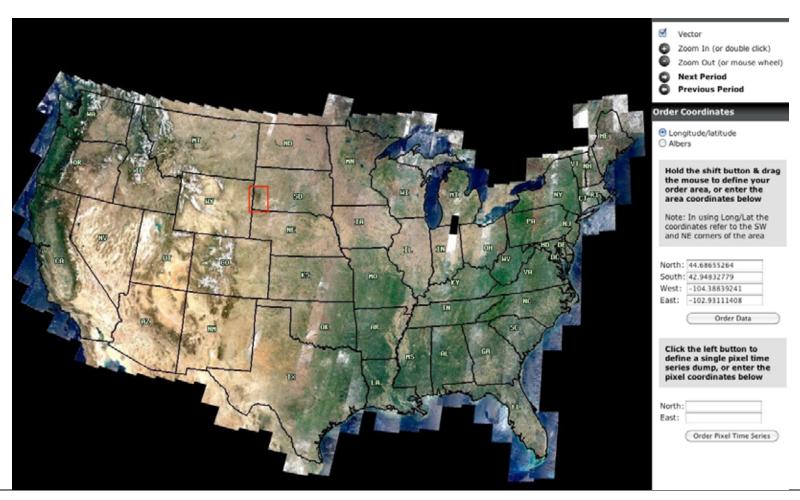




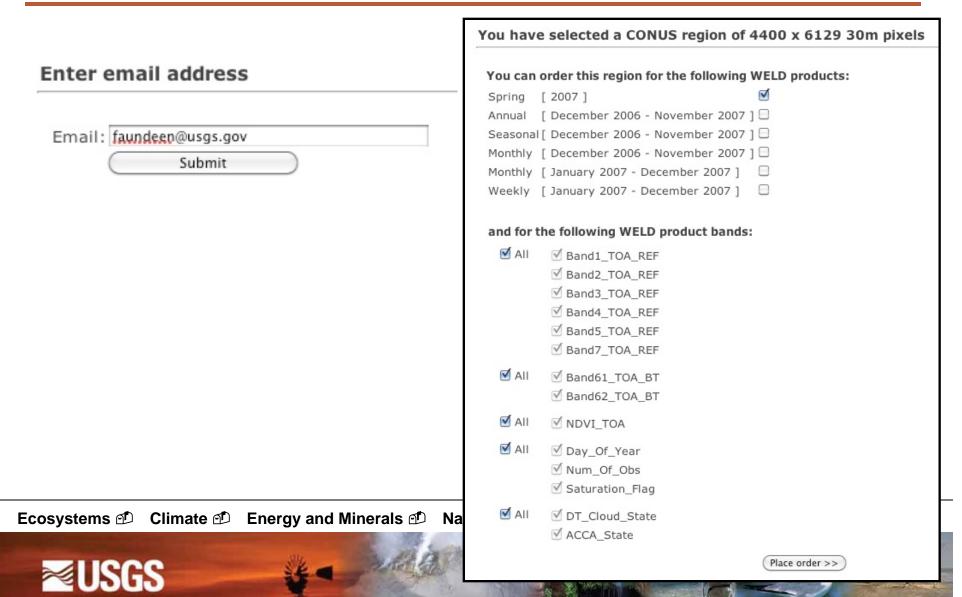






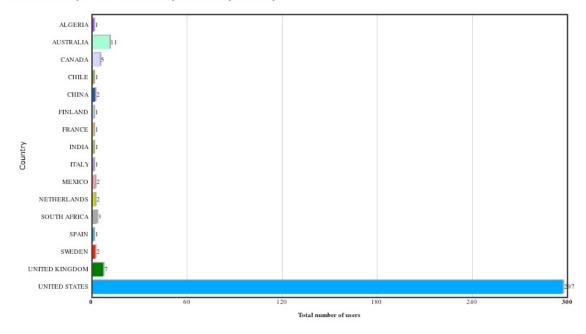


Ecosystems 🗗 Climate 🗗 Energy and Minerals 🗗 Natural Hazards 🗗 Environment and Human Health 🗗 Water



WELD Distribution 2011

Number of unique users ordered products by Country



Other Metrics

Average number of 30m pixels ordered by each user: 661307601

Average number of orders placed by each user: 40 Number of unique users who registered: 317 Number of unique users who ordered data: 338

Total number of orders: 13665 Total volume of orders: 2.633TB

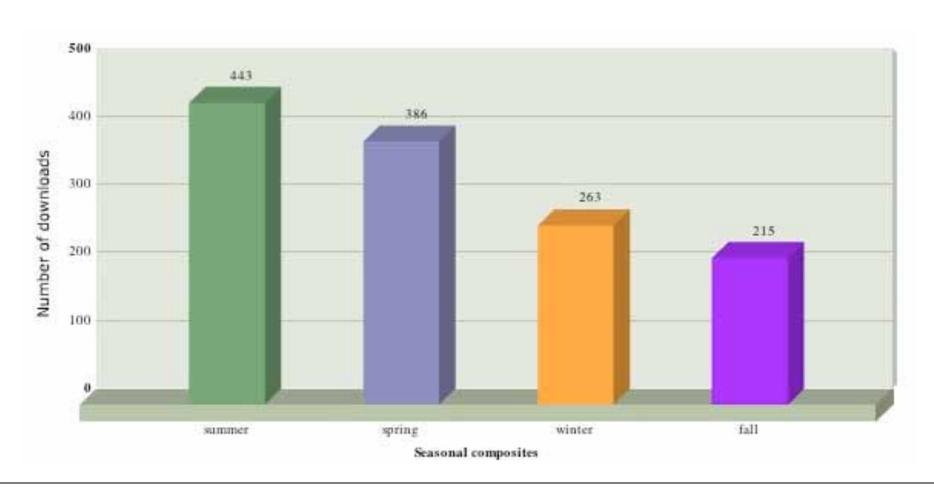


WELD Distribution 2011





WELD Distribution 2011

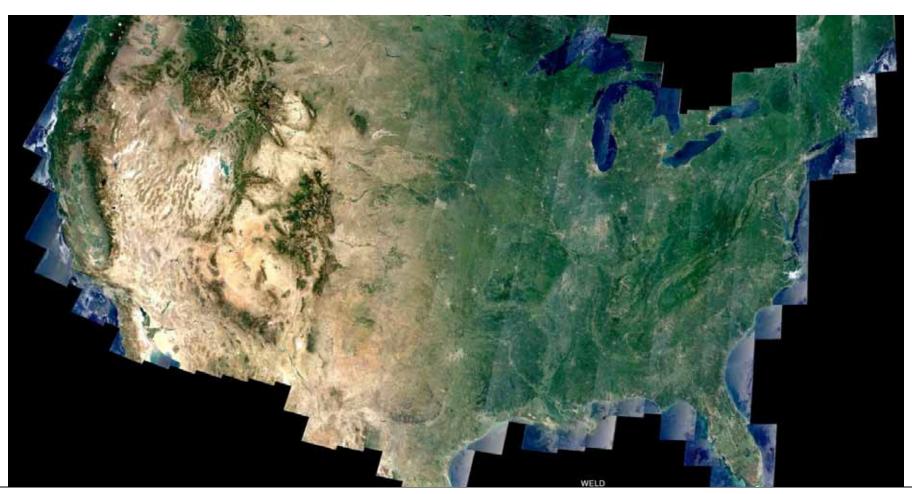




WELD Summary & Plans

- Available Now Over US:
 - 2005, 2006, 2007, 2008, 2009, 2010 and 2011
- Coming for US:
 - 2002, 2003, 2004, and 2012
- All years will be reprocessed as improved versions of the algorithms are developed.
- Plans:
 - CONUS 30m land cover: weekly snow/ice, water and bare ground; annual peak greenness tree cover, bare ground and other vegetation.

WELD http://landsat.usgs.gov/WELD.php



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