

Using the NASA RECOVER Post-Wildfire DSS

Keith T. Weber, GISP

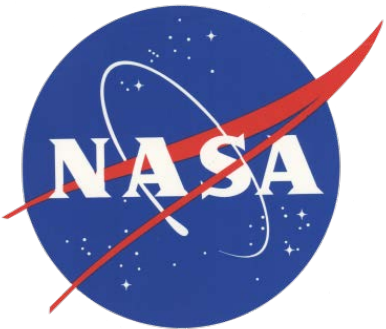
Online Workshop

ISU GIS Training and Research Center

Live on Tuesday May 2nd, 2017

1:00 p.m. – 4:00 p.m.

(Note: all times are given in Mountain Time)



Today's Itinerary

1:00 p.m. Introductions

1:15 p.m. Presentation: An overview of the RECOVER DSS

1:30 a.m. Demonstration: RECOVER web maps¹

1:50 a.m. Q&A

2:00 p.m. Hands-on Exercise

3:45 p.m. Q&A

4:00 p.m. END

Please Note

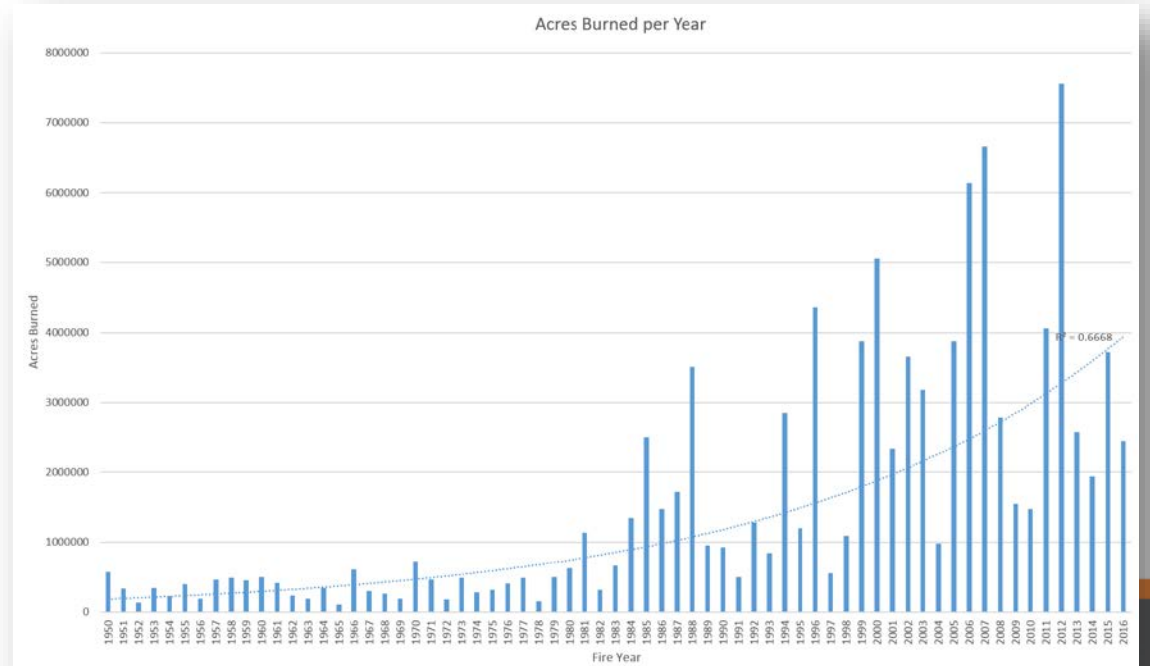
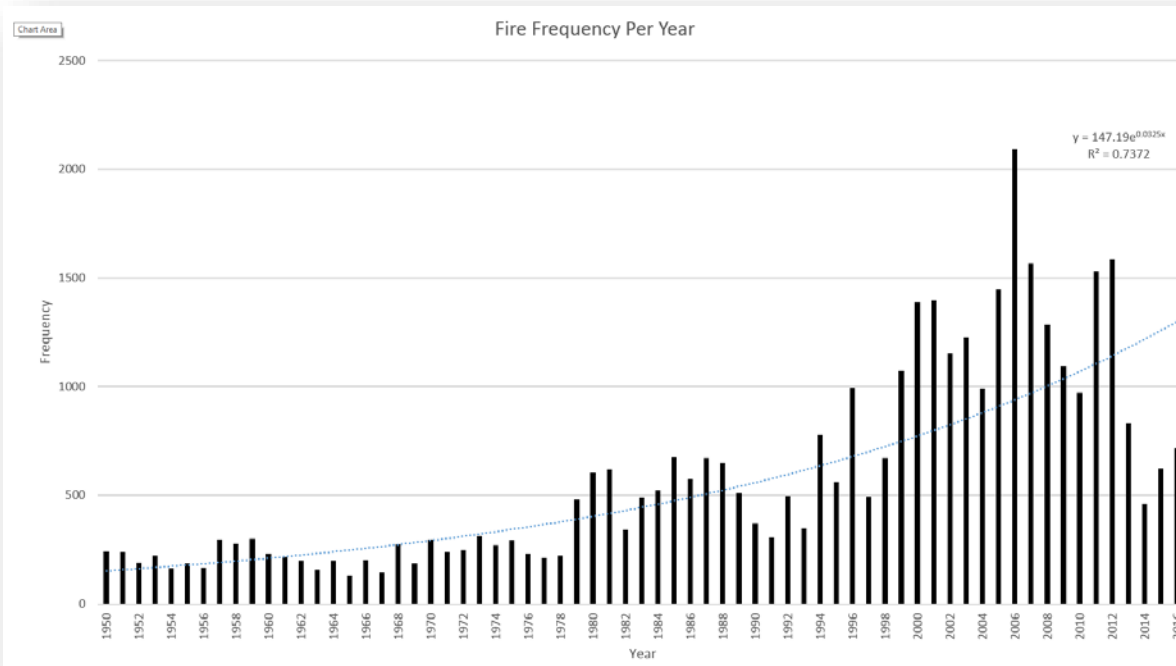
- The presentation and demonstration will be recorded and made available for future access by visiting http://giscenter.isu.edu/research/Techpg/nasa_RECOVER/results.htm

An Overview of the RECOVER DSS

- Historical context
 - *The mission of the GIS TReC is to facilitate sound decision making through the use and application of geospatial technologies*
 - Since 1998, ISU's GIS TReC has advanced an active research program focusing on land cover change across the Intermountain West
 - Wildfire is one of the most significant agents of land cover change

An Overview of the RECOVER DSS

- Wildfires are not only...
 - Predicted to increase in frequency and size over time, fire are...
 - Actually increasing in frequency and average size



GIS and Wildfire

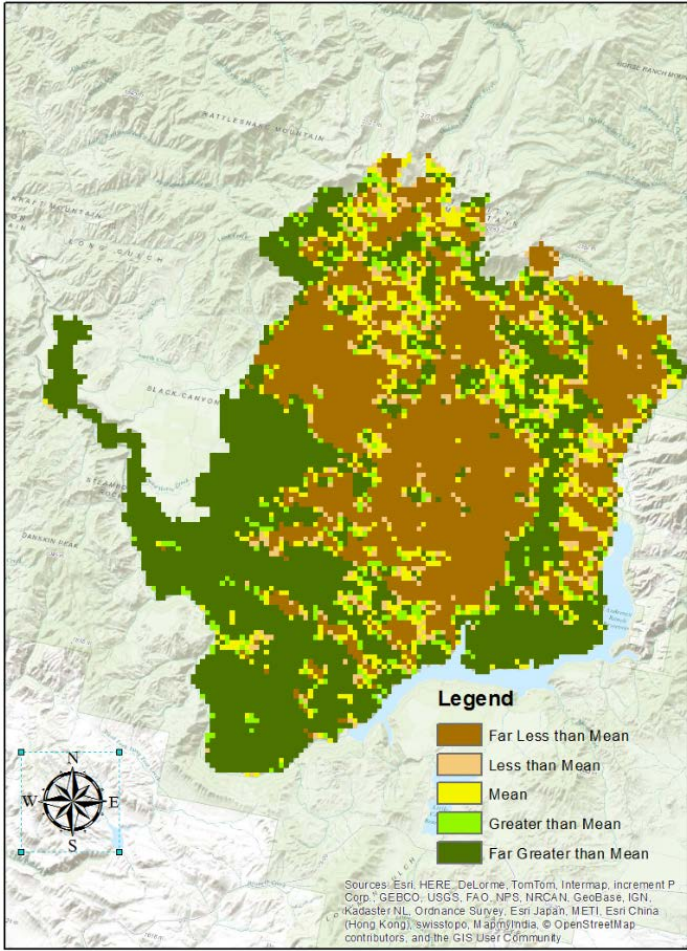
- RECOVER was designed as a *post-wildfire* decision support system
 - Help answer questions regarding re-seeding, mulching, debris flow probability, and long-term recovery, etc.
 - For these types of questions, geospatial data are critical to affect a well-informed decision

RECOVER Capabilities

- Very rapid (**5 min.**) assembly/delivery of geospatial data
 - **25** base layers requested by fire managers/land managers
 - Access via a web browser
 - Data download for advanced spatial analysis in ArcGIS
 - Numerous reports at your fingertips

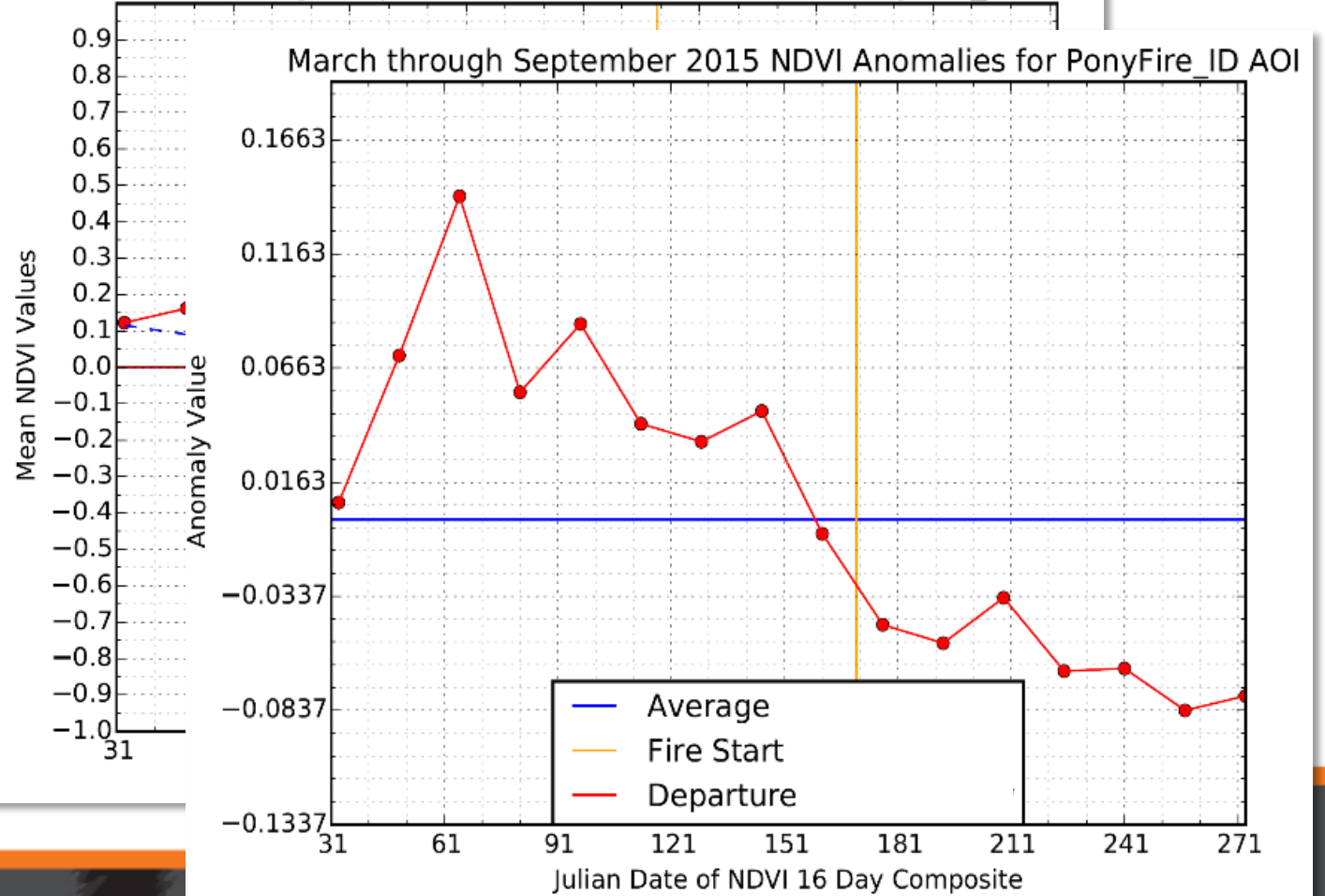
Long-term Monitoring

Map layer

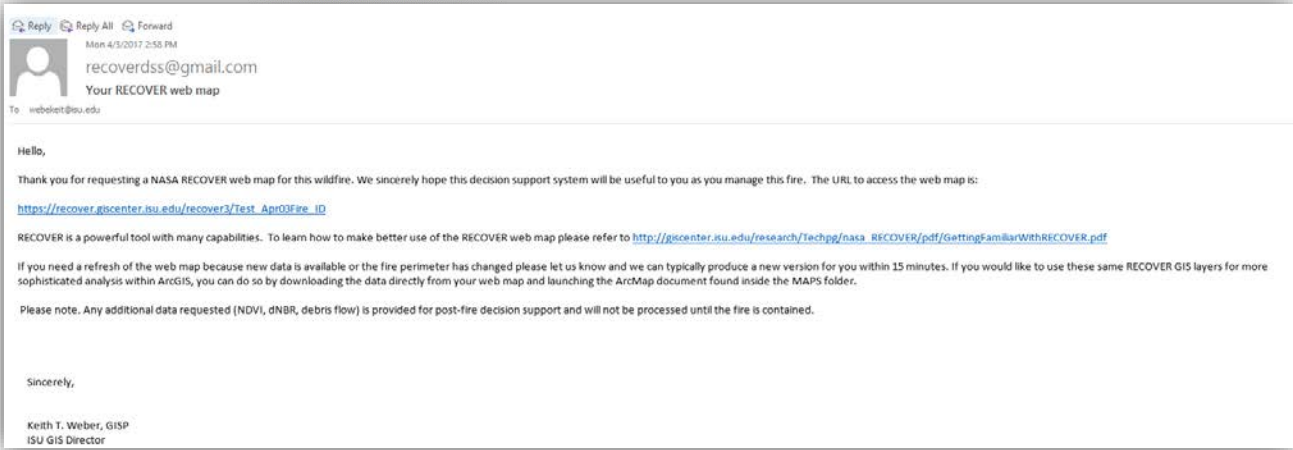
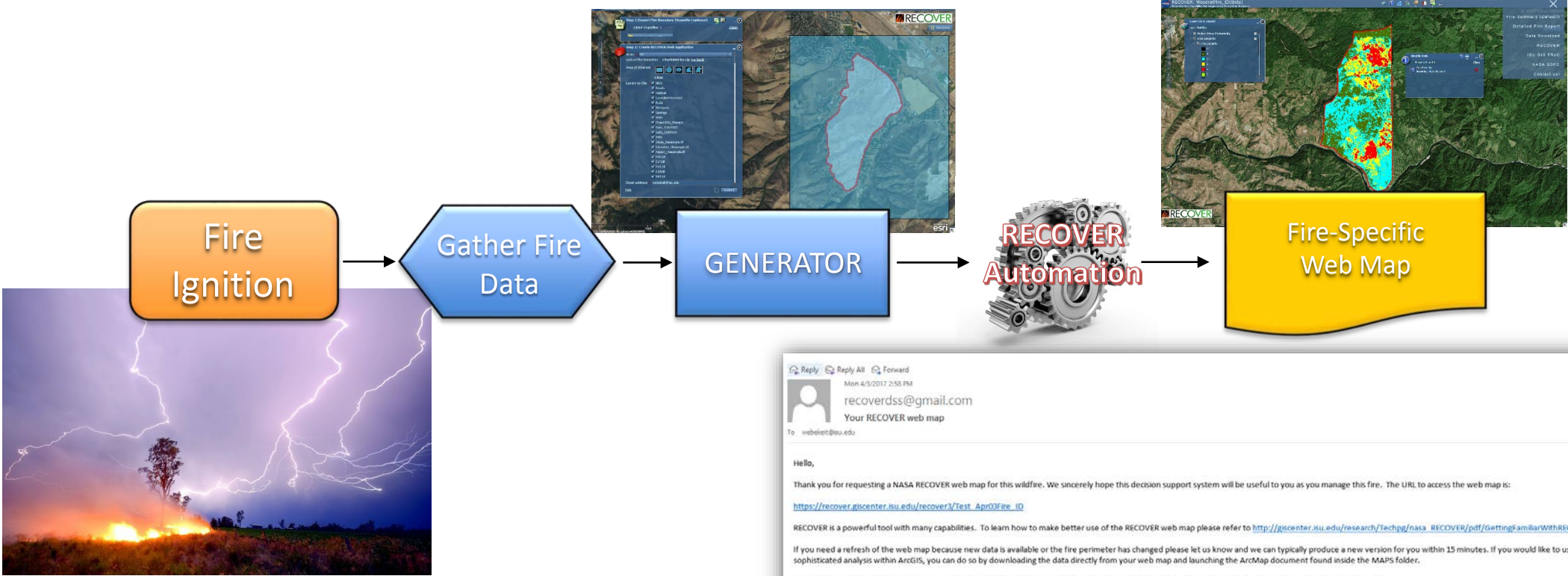


Graphs

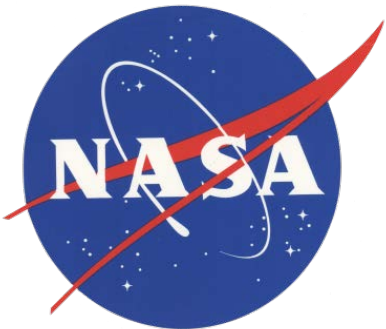
March through September 2015 NDVI Trend for PonyFire_ID AOI



How Does it Work?



Questions?



RECOVER is a NASA Applied Sciences sponsored project. K. T. Weber (PI), J. Schnase (Co-PI) and M. Carroll (Co-PI), Goddard Space Flight Center

Time for a Demo!

