The NASA RECOVER DSS

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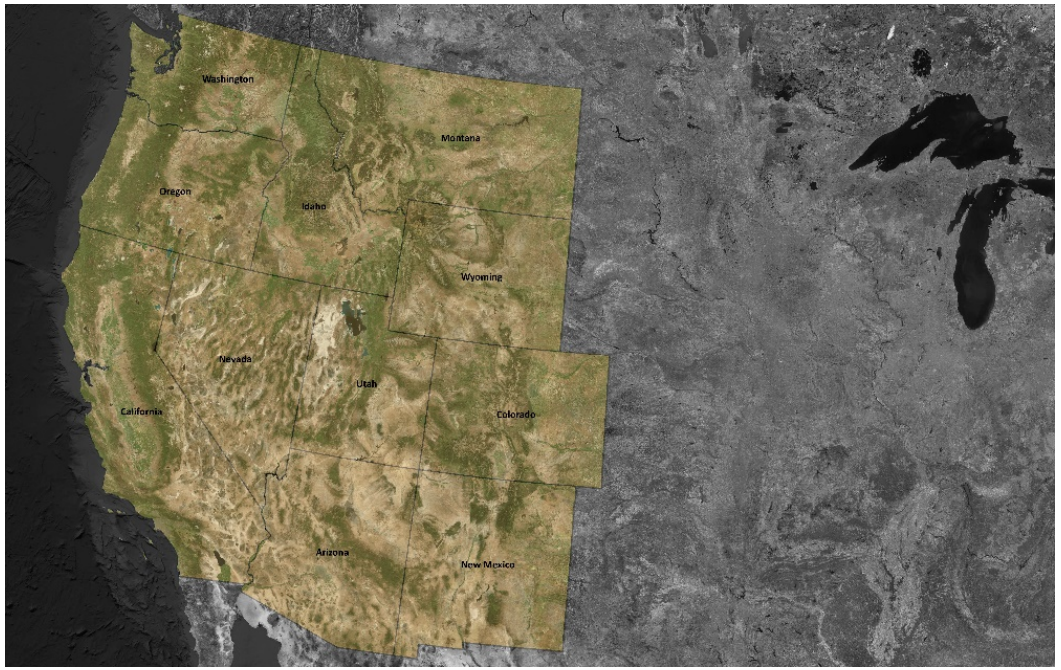
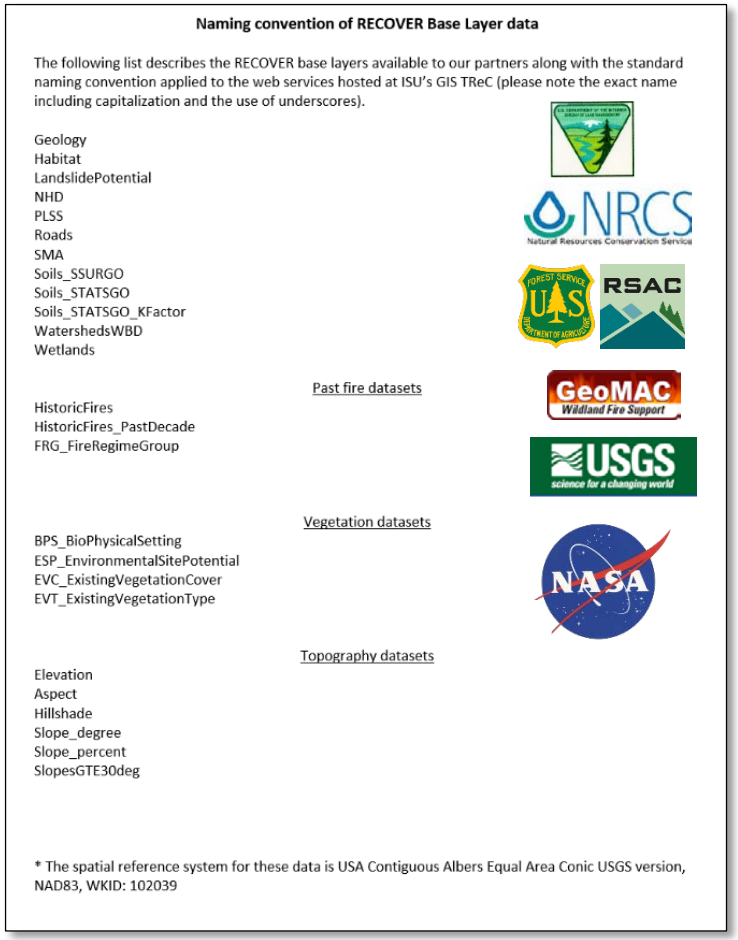
Data Architecture

- RECOVER covers the Western US
- Esri ArcGIS
  - File Geodatabase
  - Vector and raster data
  - Automated Map Services



GIS Layers

- By default each RECOVER web map contains…
  - 25 base layers automatically clipped to fire AOI
  - Fire-specific reports



Naming convention of RECOVER Base Layer data

The following list describes the RECOVER base layers available to our partners along with the standard naming convention applied to the web services hosted at ISU's GIS TReC (please note the exact name including capitalization and the use of underscores).

Geology
Habitat
LandslidePotential
NHD
PLSS
Roads
SMA
Soils_SSURGO
Soils_STATSGO
Soils_STATSGO_KFactor
WatershedsWBD
Wetlands

Past fire datasets

HistoricFires
HistoricFires_PastDecade
FRG_FireRegimeGroup

Vegetation datasets

BPS_BioPhysicalSetting
ESP_EnvironmentalSitePotential
EVC_ExistingVegetationCover
EVT_ExistingVegetationType

Topography datasets

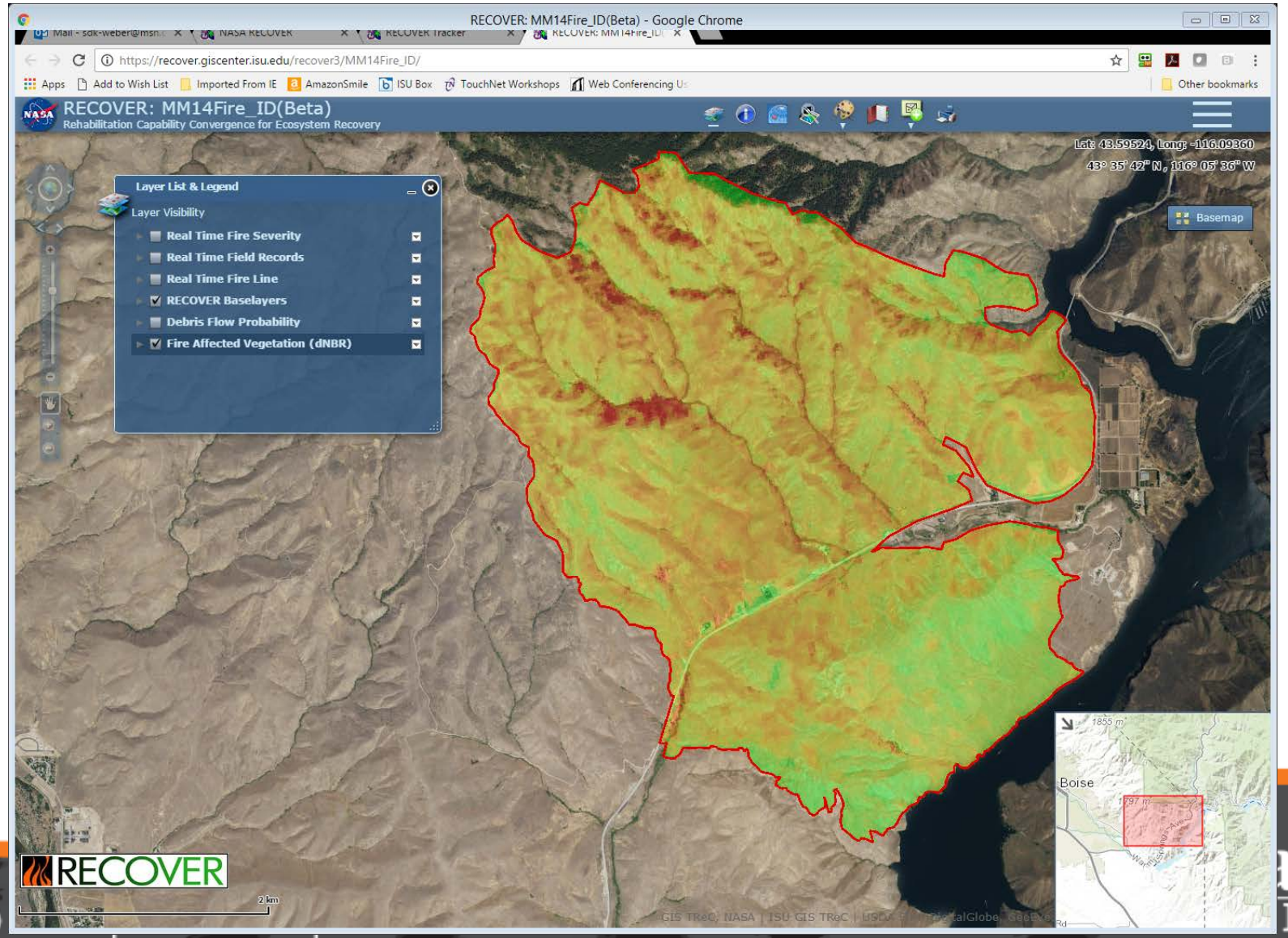
Elevation
Aspect
Hillshade
Slope_degree
Slope_percent
SlopesGTE30deg

* The spatial reference system for these data is USA Contiguous Albers Equal Area Conic USGS version, NAD83, WKID: 102039

Done in 5-minutes!

- Once submitted from our **Generator**, the web map will be ready in about 5-minutes

A RECOVER Web Map



Update

- RECOVER has been used as a decision support capability on **36** wildfires since the project began in 2013
- Completed two hands-on, online workshops Spring 2017
- RECOVER is ready for use throughout the 2017 fire season
- 2017 *may* be the final fire season for RECOVER (NASA funding is expiring). We are seeking end-user support to maintain the RECOVER DSS

To start using RECOVER, just email us at **giscenter@isu.edu**

Questions?

http://giscenter.isu.edu/research/Techpg/NASA_RECOVER/

RECOVER is a NASA Applied Sciences sponsored project.
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