Personal intro, Teresa Chapman, Sarah Hart (U of CO)

**Plan**: background, explore/task, wrap up

Project: fuel tx effectiveness

**Prescribed fire records database**

* Public records requests
* Nearly 300,000 records obtained
* Put it all together
  + 88k points in one place?
  + Almost no burns on TNC lands in OR?
  + Why are burns reported as complete, but notes indicate no burning
  + Why does this burn permit span multiple years and locations?
* Learning curve for how rx burns are tracked in different states
  + CA only requires reporting to PFIRS for fires >10ac; other states have emissions thresholds for reporting
  + Some states don’t track ag burns, others do
* States track burns for their own reasons
  + Sometimes not interested in treatments
  + Concern with smoke
  + Not tracking all the info we would want
  + To our knowledge, there is no other source for burning off state and federal lands
* Results presented are to provide insight into trends; not exact numbers

**MAP**

Delay, pointer

Popup shows some of the attributes:

* Burn type
  + broadcast or pile
  + inferred type from name when not reported (UT and WY)
  + removed ag, and barrel burning when possible
* Manager name - Pad fee, designation for DOD and American Indian Lands
* Cover type – LF EVT lifeform
* Acres permitted – certain states
* Acres max requested – only for states w/ a request system; proxy for planned/permitted acres
* Acres completed – not available in NV and ID

Pile burning

* Have info in the database
* Still figuring out how we can track and report
* Reporting varies: acres, # piles, volume, emissions, linear feet, etc

**ACTIVITY**

* Review 3 points
* Feedback spreadsheet or email
* QC challenge
* Validate w/: TNC, Federal reporting systems, SWERI, remote (fired [modis burned area], usgs burned area, landfire)
* Nothing can replace local knowlage

Q & A

**WRAP UP**

Opportunities

Presentation on Thursday 11:15 a.m, Windjammer II-III

FIRED (Mahood and others 2022) [Country-level fire perimeter datasets (2001–2021) | Scientific Data (nature.com)](https://www.nature.com/articles/s41597-022-01572-3)