Moving Towards a More Integrated Fire Environment Decision Support System

Nick Nauslar Fire Science and Operations Officer NOAA/NWS Storm Prediction Center National Interagency Fire Center



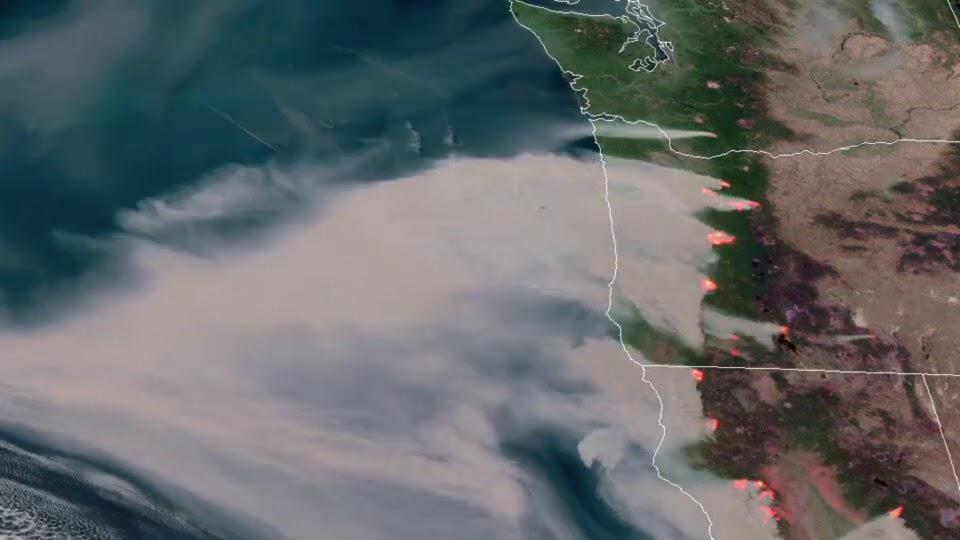


Changing Wildland Fire Management Landscape

- Greater demands to manage decisions at longer timescales with growing number impacts that must be considered
- Do we have consistent, comprehensive, and timely fire environment information to make informed decisions?











Integrated Fire Environment Decision Support Services

- Significant service gaps to the public and initial/extended attack
- Lacking innovation in fire *environment* forecasting
- No national, cohesive picture of the fire environment
- Bridge gaps from fire environment to impacts and decision support





Fire Management Board Tasking to Predictive Services and NWS

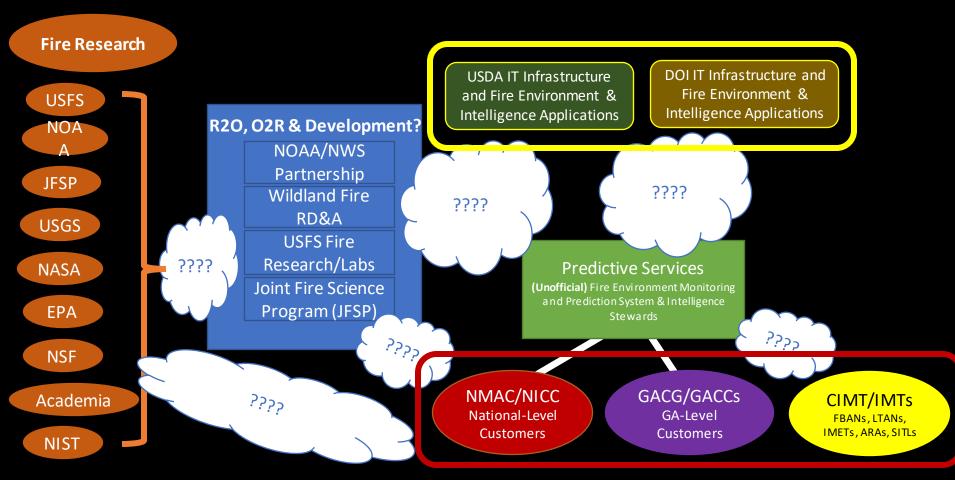
- What does integrated fire environment decision support services (IFEDSS) look like?
- I like ice cream, but what flavor and how much?







Current Technology and Science Decision Support "System"



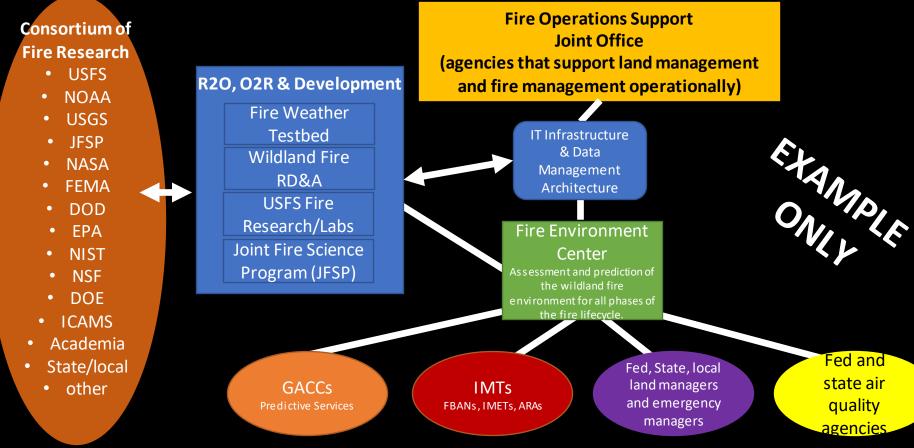




????



Integrated Fire Environment Decision Support Services



























Research To Operations and Operations to

So How's it Going?

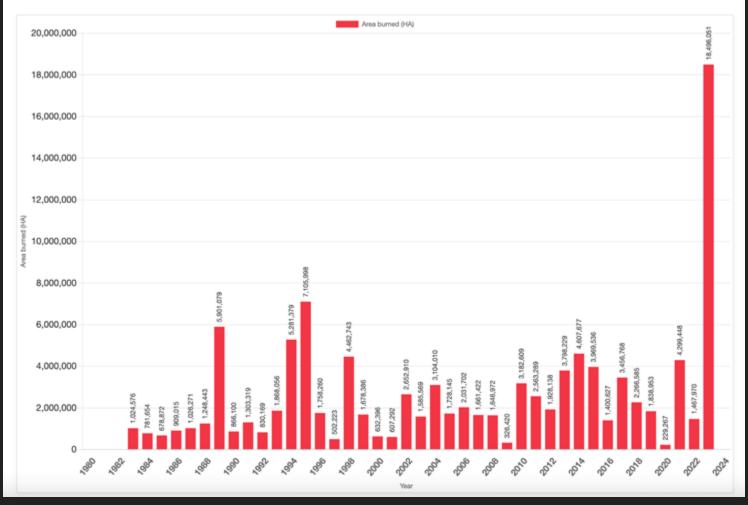
• Have a lot of important components for wildland fire decision support...

- Need better coordination and integration...duh...how do we get there?
 - Fire Weather Testbed
 - Enacting Long-Term Plan
 - NWS and DoD officially part of NWCG
 - NWS recent fire hires and prioritization of wildland fire





Annual Area Burned in Canada



Export (CSV)