# Session 2: Catalog & Search

***Day 1: Tue, June 25, from 3:00 to 4:30 PM (Eastern)***

***Session Chair: Kim Jenkins***

a. Current state

b. Ignite talks

   i. Data.gov and the GeoPlatform: Piecing Together the Puzzle - Adam Bode and Randy Warren, NOS/CSC

   ii. The Cryptkeeper Speaks! Overcoming the Scary in Data Discovery - Christine White, Esri

   iii. Discovery and Access of International Satellite Data Collections Using the CEOS WGISS Integrated Catalog (CWIC) - Martin Yapur or Ken McDonald, NESDIS/OSD/TPIO

   iv. WMO Information System and Global Information System Centre Washington - Walter Smith? (not confirmed)

*c. Poll question #3 - What was your favorite ignite talk in this session?*

d. Target state

e. Potential next steps

f. Q&A - written questions, oral answers

g. Discussion of next steps - oral with raised hands

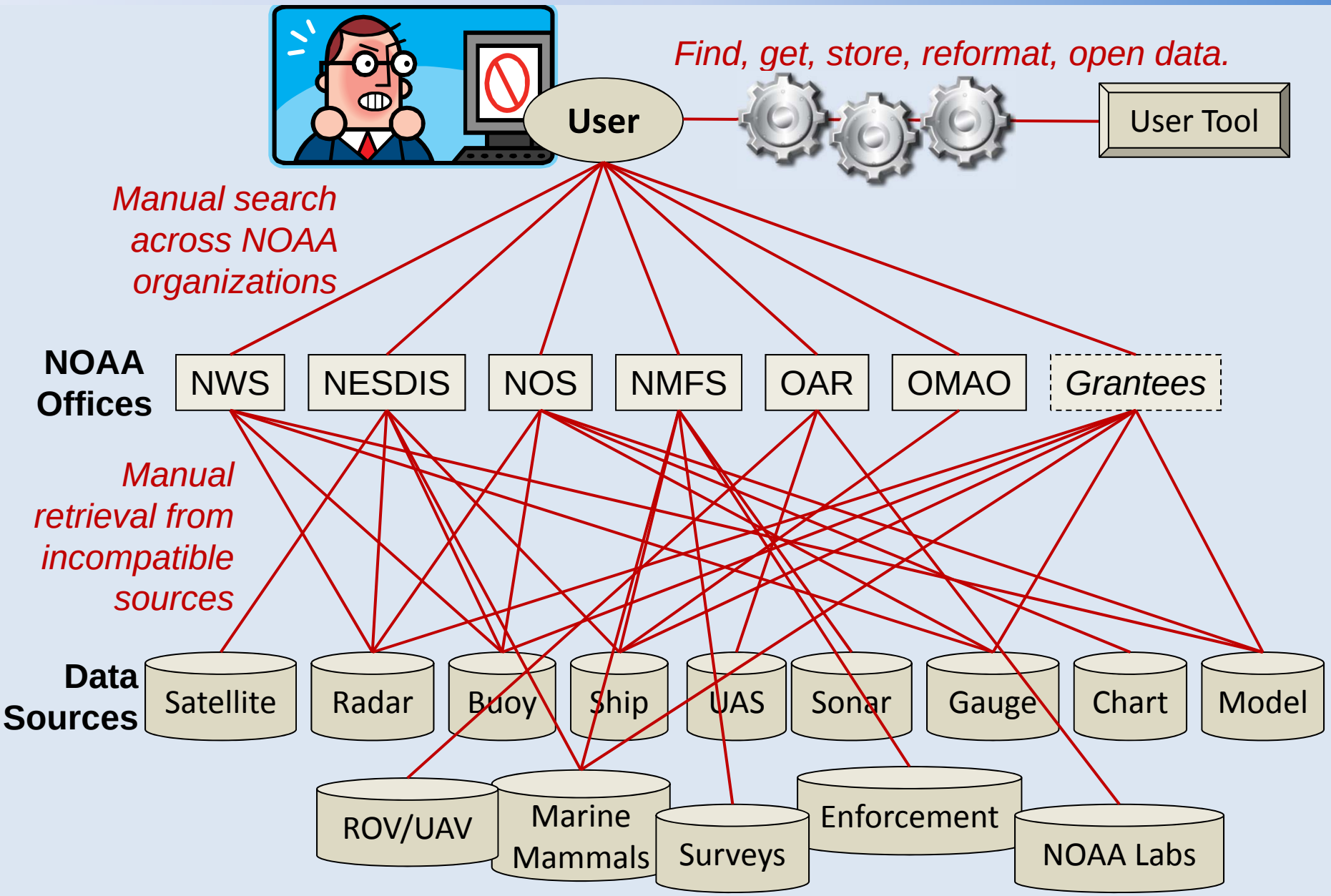
# Catalogs & Search: Key Goals

- Users can easily find NOAA data for any desired need (i.e. incident or event, location and time)
  - Without knowing NOAA Line/Program structure
  - With their preferred software tools
  - With standard metadata
  - In standard industry formats
- "Create & Register Once, Used & Visible by Many"
  - Data providers can create and register their services once in a community catalog, and have their data visible in many catalogs (i.e. – NOAA, National/Federal, etc.)
- NOAA leadership sees improvements in NOAA data discovery & access

# Catalog & Search – Current State

- No complete inventory and no single point of entry
- Numerous NOAA Portals with potentially overlapping and duplicative scope
  - Manual processes for populating
  - Custom requirements include minor but painful tweaks for each
  - “NOAA’s portal pallooza” = confusing our end users
- Various catalog implementations
  - Geoportal Server – 1+ per NOAA Data Center, Regional and themed instances, etc.
  - UAF Catalog
- Limited integration with commercial search engines

# Current Situation for NOAA Data Discovery & Access

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# Catalog & Search – Target State

- 2013 Presidential Executive Order and Open Data Policy requirements:
  - Create and maintain an "enterprise data inventory" for public and non-public agency data
  - Document the data in this inventory using new "common core metadata"
  - Single point of entry to federated search API
- Automatic registration with federal, national and community portals (i.e. Data.gov, GEOSS, GCMD, GCIS, thematic portals, etc.)
- Better approach to finding NOAA data via commercial search engines

# Catalog & Search – Potential Next Steps

- Improve NOAA's approach to developing and maintaining multiple catalogs
  - Build internal and external community awareness and understanding of differences between each
  - Reduce duplication and overlap wherever possible
- Federation of existing catalogs
- Take advantage of the momentum and resources swirling around new Open Data Policy on GitHub:
  - Enterprise data inventory (noaa.gov/data) implementation guidance: http://project-open-data.github.io/catalog/
  - Catalog Generator (for creating JSON, XML, or RDFa Lite files): (http://project-open-data.github.io/catalog-generator/)
  - Schema.org