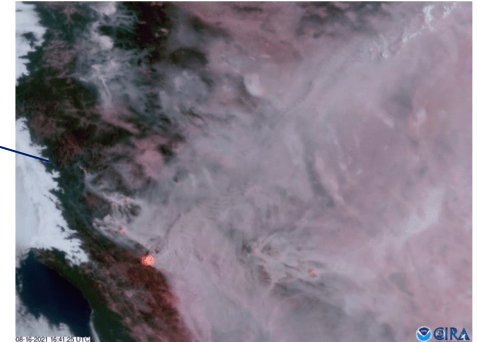
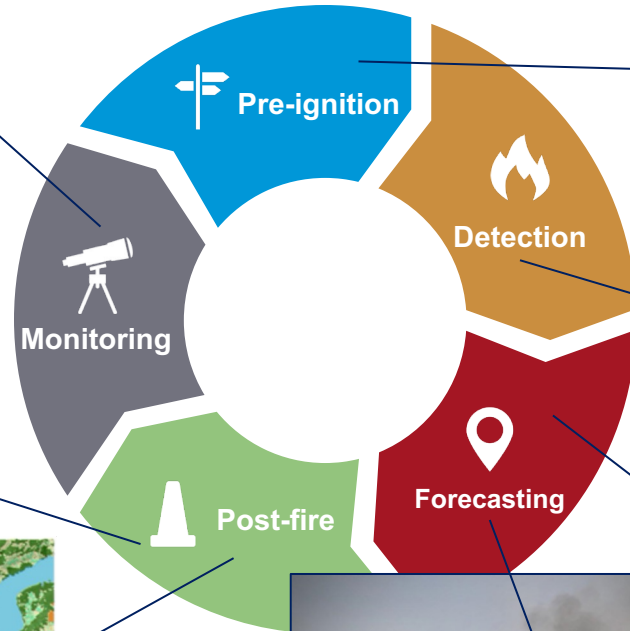
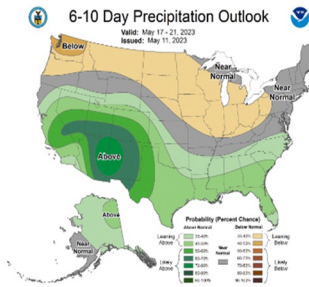
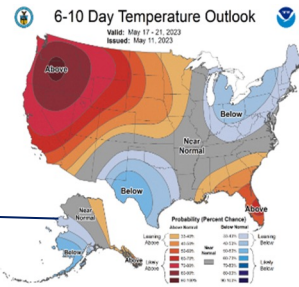
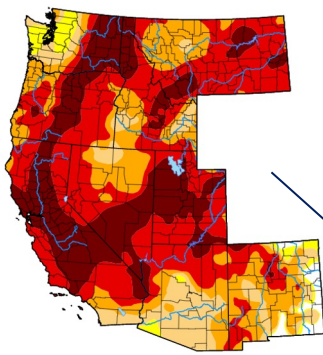


The NOAA/NESDIS Wildland Fire Program

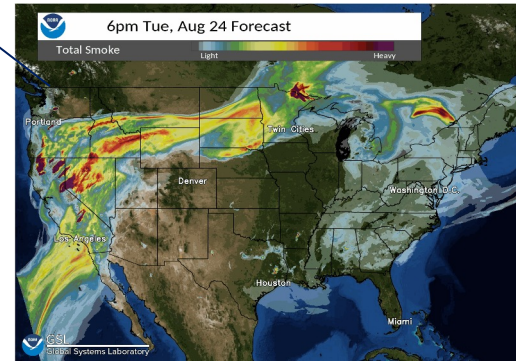
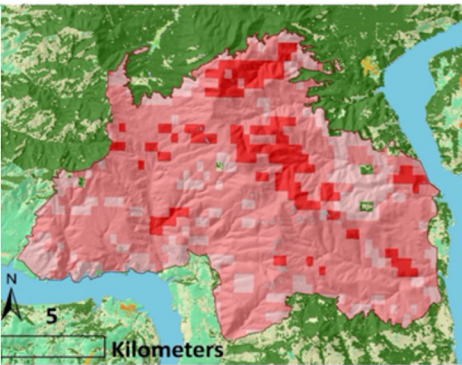
National Environmental Satellite,
Data, and Information Service



NOAA Science & Services



- Williams fire
- Land cover
- Water
- Developed
- Roads
- Barren
- Young Forest
- Forest
- Short grass
- Tall grass
- Shrub
- Pasture/Hay
- Crops
- Wetlands
- Low severity
- Mod severity
- High severity



NESDIS Wildland Fire Program Goals - Active Fire Products & Services



Provide satellite-derived information that helps reduce response time to a new fire incident



Enhance weather and fire monitoring in support of incident management



Enable the development of improved smoke and fire behavior/spread forecast models



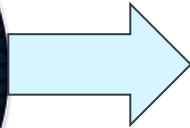
Simplify access to fire products and information



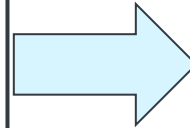
Improve understanding of long-term fire trends and patterns

NESDIS Next Generation Fire System (NGFS) (Supported by the DRSA and BIL)

Single or multi-source GEO or
LEO satellite data + supplemental
data



NESDIS Fire
Information System



NESDIS Fire Data and
Information Portal



Fire Software
Repository





**Fire
environment
forecasting**



**Climate
monitoring**



**Smoke analysis
and forecasting**

Applications Supported by NGFS

**Timely hotspot
alerts**



**Incident
awareness and
assessment**



**Event-based
data queries**

