

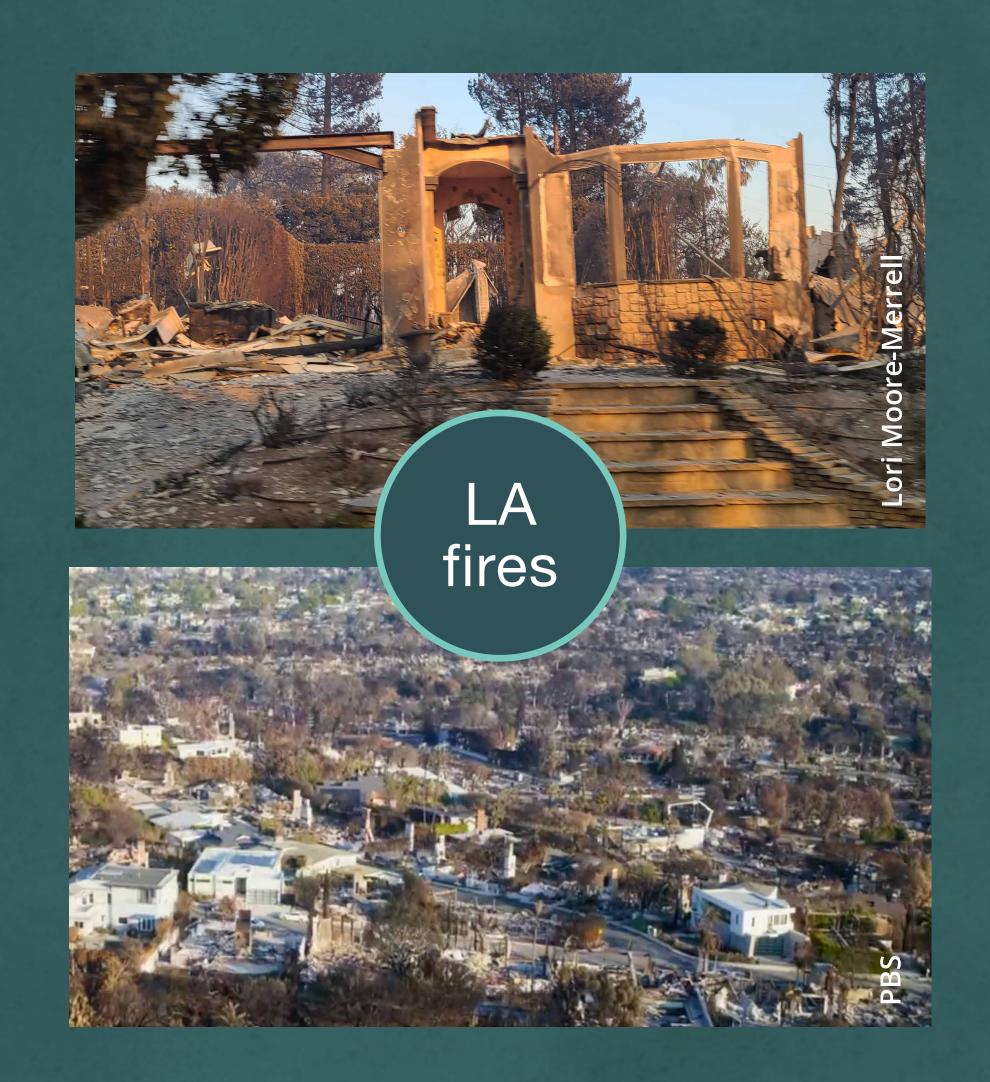
LIVINGSUSTAINABLY WIT-WILDFIRE: SCIENCE FOR SOLUTIONS

PANEL DISCUSSION

westernfireforest.org caryinstitute.org

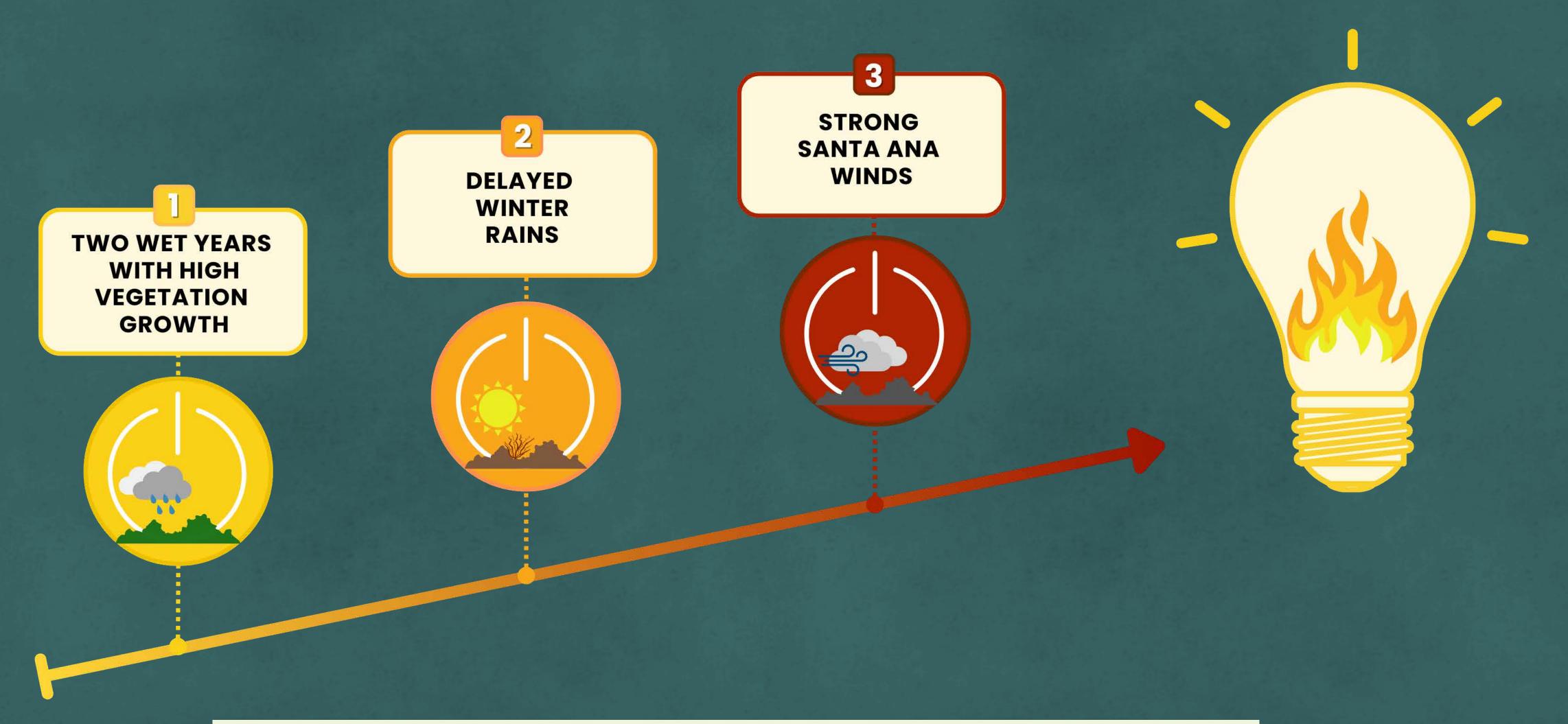
LOS ANGELES FIRES: LESSONS LEARNED

PREVENTING HOMES & COMMUNITIES FROM BURNING





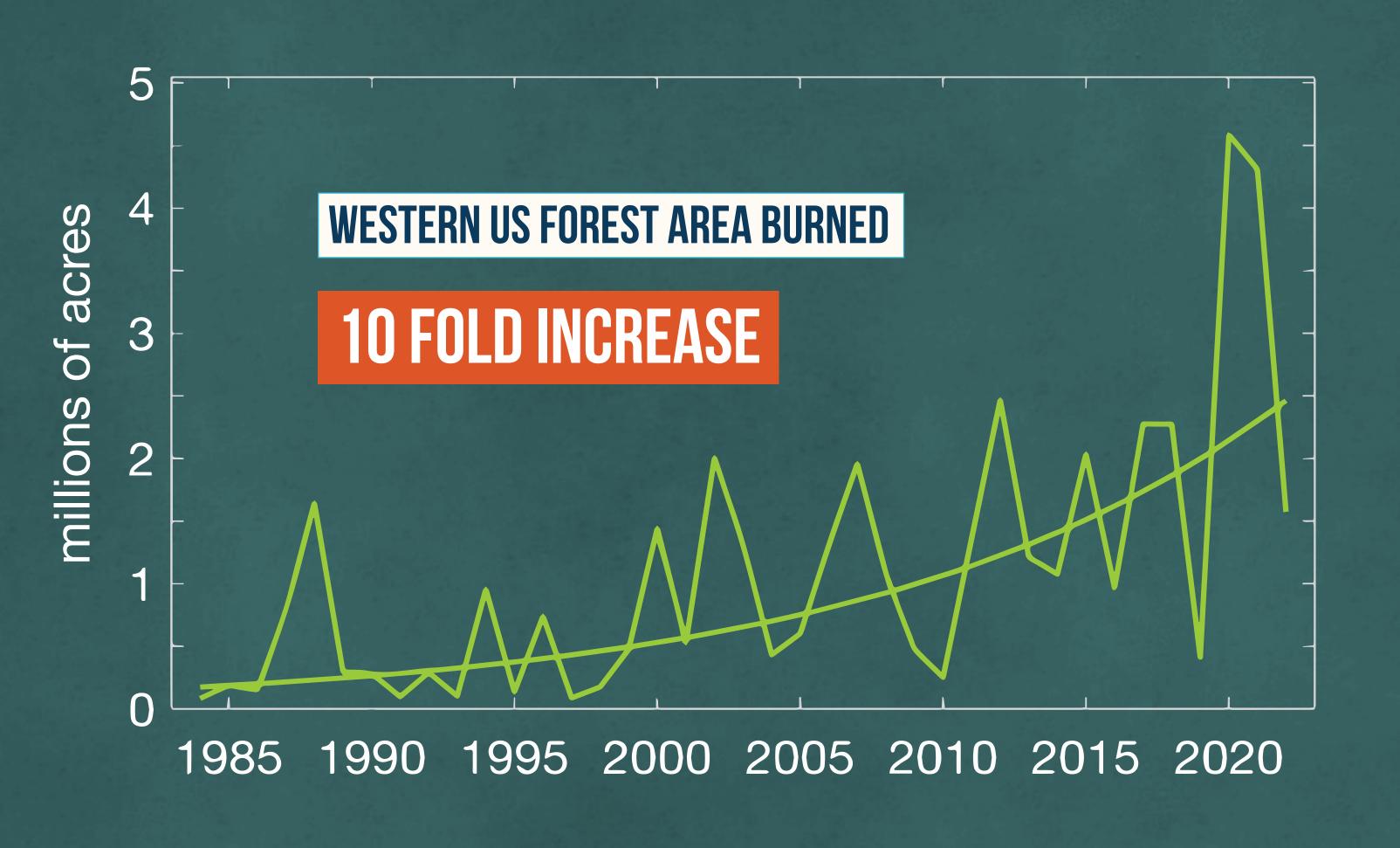
LOS ANGELES FIRES: 3 KEY CONDITIONS



EXTREME FIRE ACTIVITY REQUIRES THREE KEY 'SWITCHES' TO BE TURNED ON



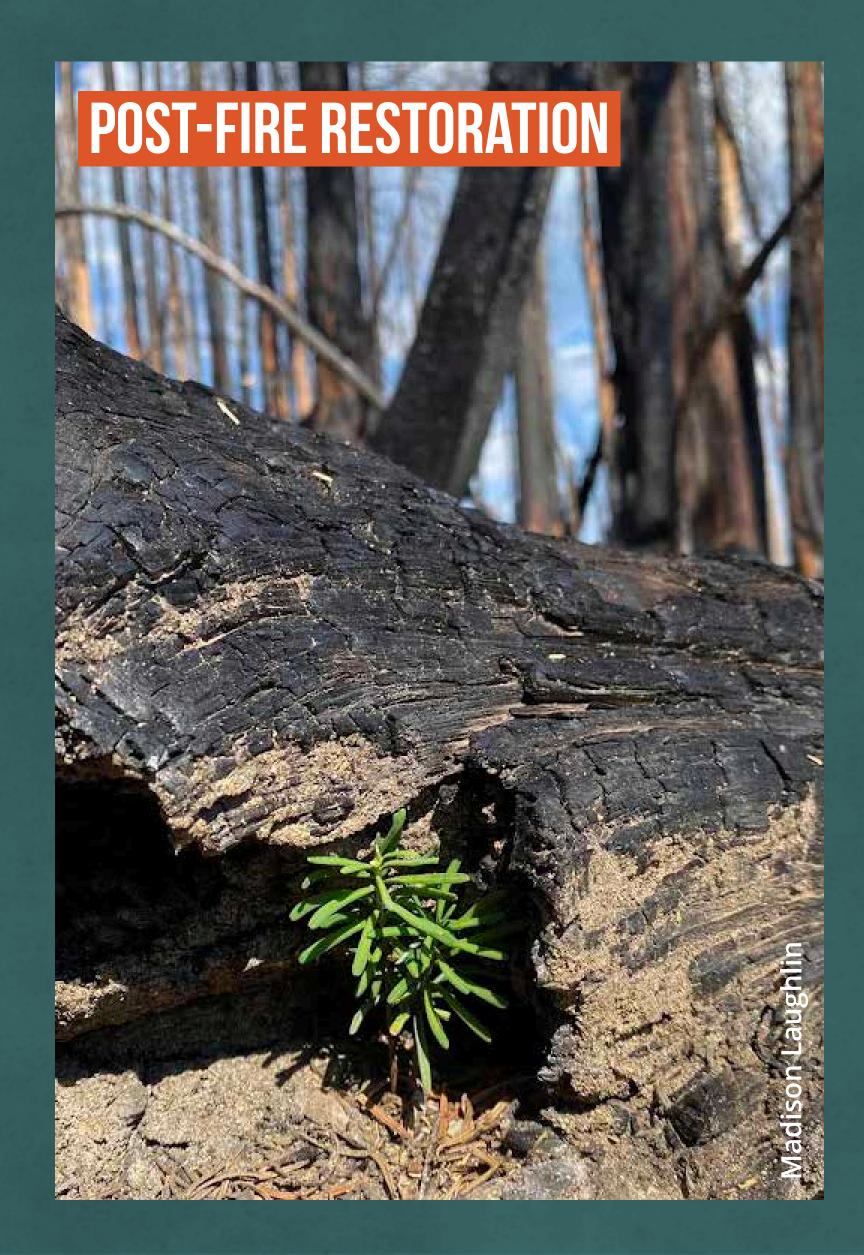
INCREASING BURN AREA & RISK





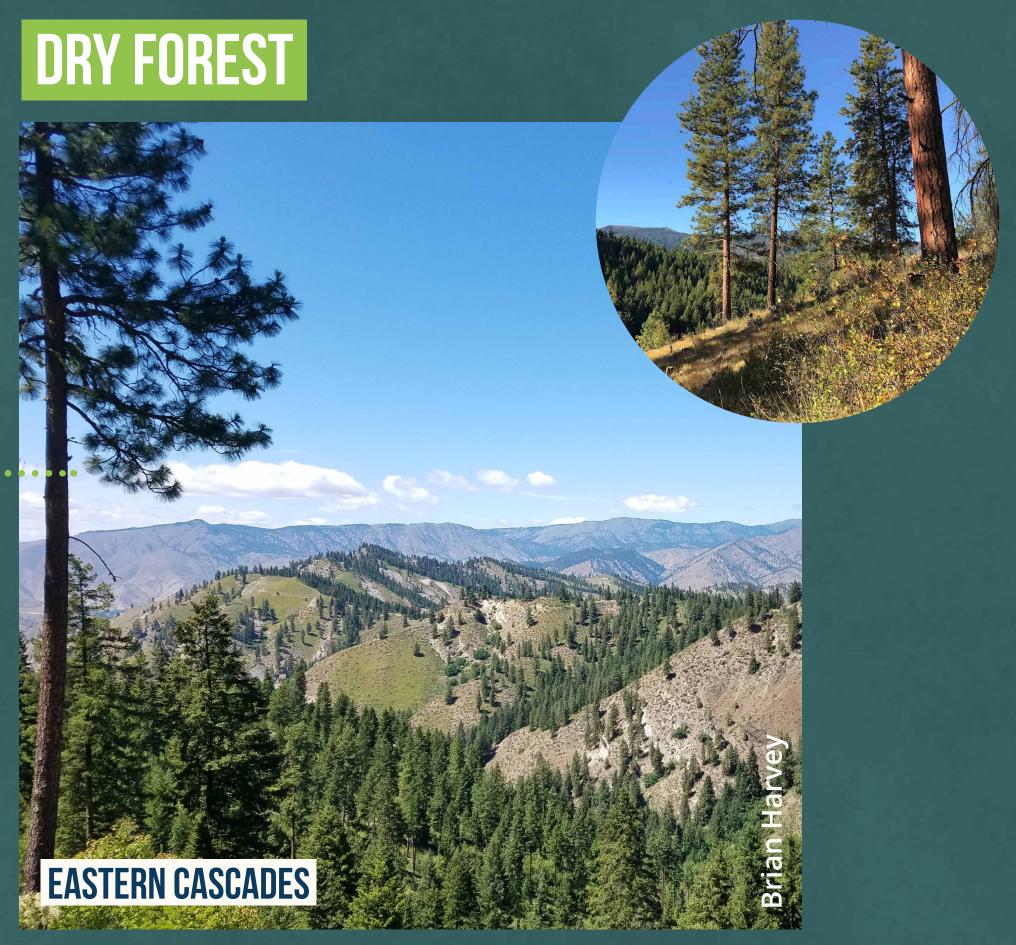
MANAGEMENT STRATEGIES





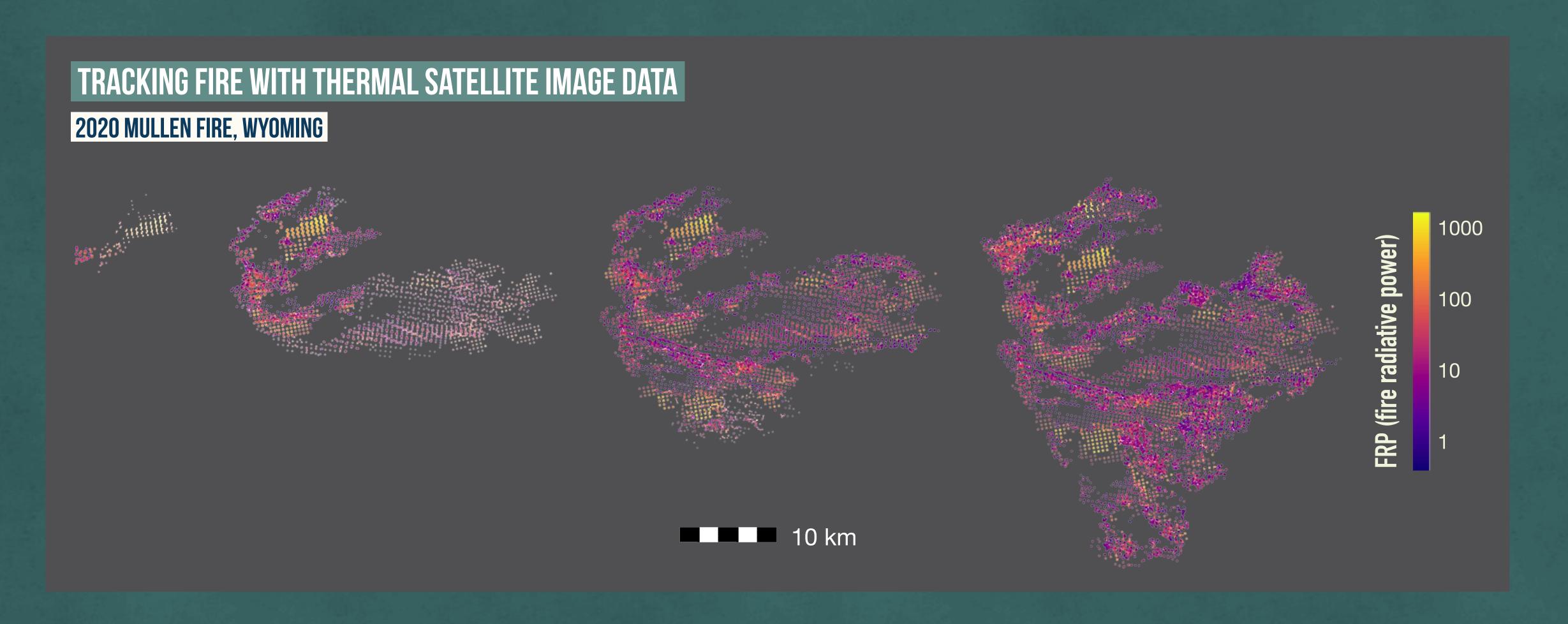
DIFFERENT ECOSYSTEMS = DIFFERENT STRATEGIES





"Science is the foundation and bedrock for Washington Department of Natural Resources' work on forest treatments and forest health."

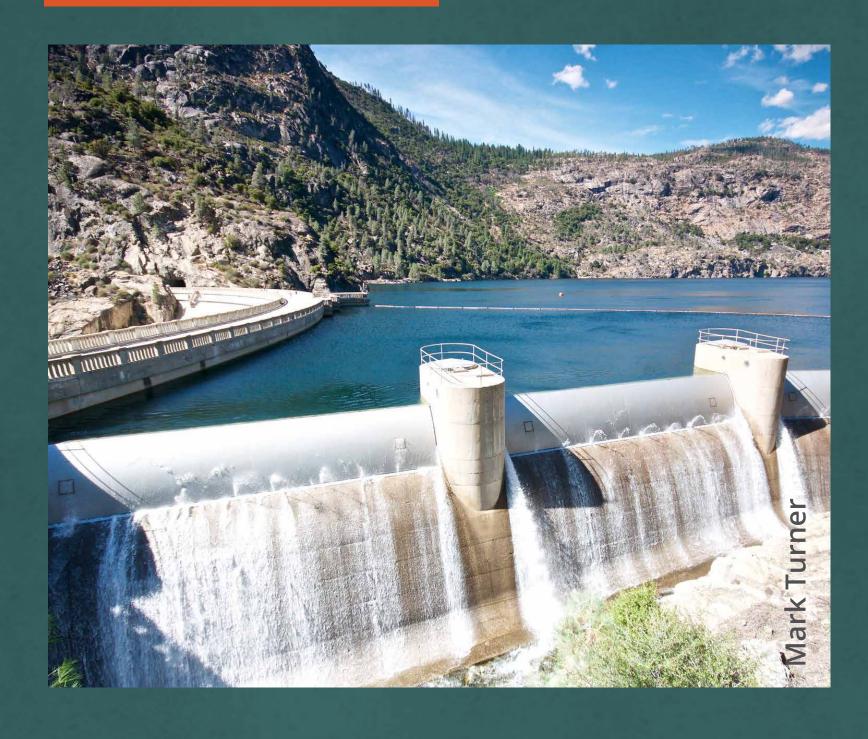
USING SCIENCE TO DETECT FIRES & THEIR SPREAD



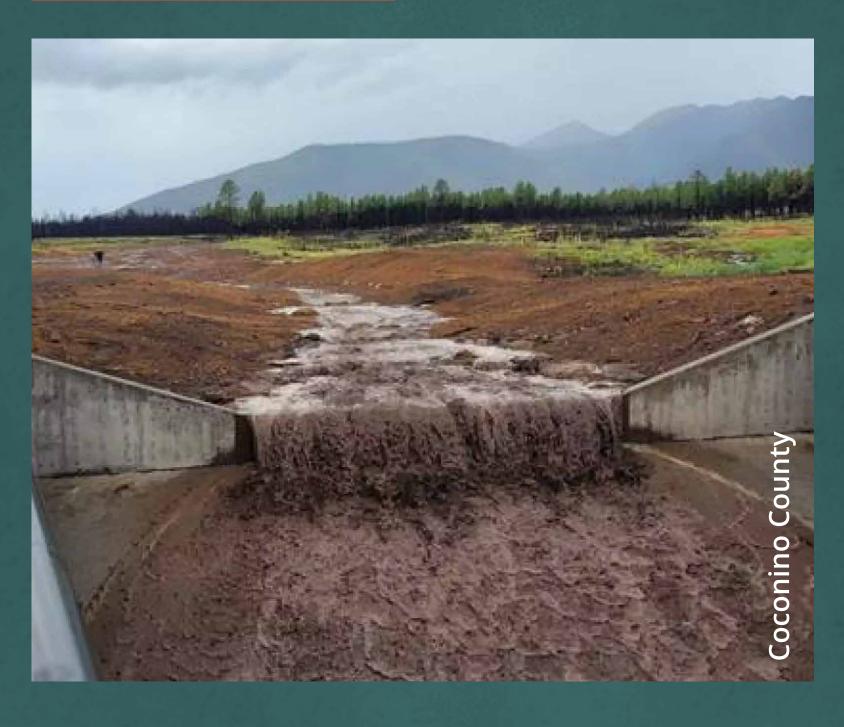
"We need science to advise us on the **movement**, **scope**, and **scale** of fire in the built environment."

FIRE AFFECTS WATER QUANTITY & QUALITY

WATER QUANTITY



WATER QUALITY



MUDSLIDES/DEBRIS FLOW



If you care about water, you need to care about fire.

PROTECTING WATER RESOURCES

LAKE BERRYESSA



MEDICAL LAKE



PACIFIC OCEAN





WHAT ACTIONS CAN WE TAKE?

Individuals & Communities



 Consider wildfire risk when designing buildings and communities.

Government



 Invest in fire response, land management, and community resilience.

Universities & Research



Conduct science.
 Build pathways from science to decision makers.

Philanthropy & Private Sector



 Invest in science, technology, and solutions.

THANK YOU FOR COMING



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