

Using the Wildfire Risk to **Communities Website**













BACKGROUND INFO

AUDIENCES & USES





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A website with interactive data and maps to help communities understand, explore, and reduce wildfire risk.

- Directed by Congress in 2018
 Consolidated Appropriations Act
- Nationwide maps & data with consistent methods.
- Searchable by community, county, state.
- Published April 2020 at www.wildfirerisk.org







Builds on data and science from previous efforts.



PURPOSE & USES

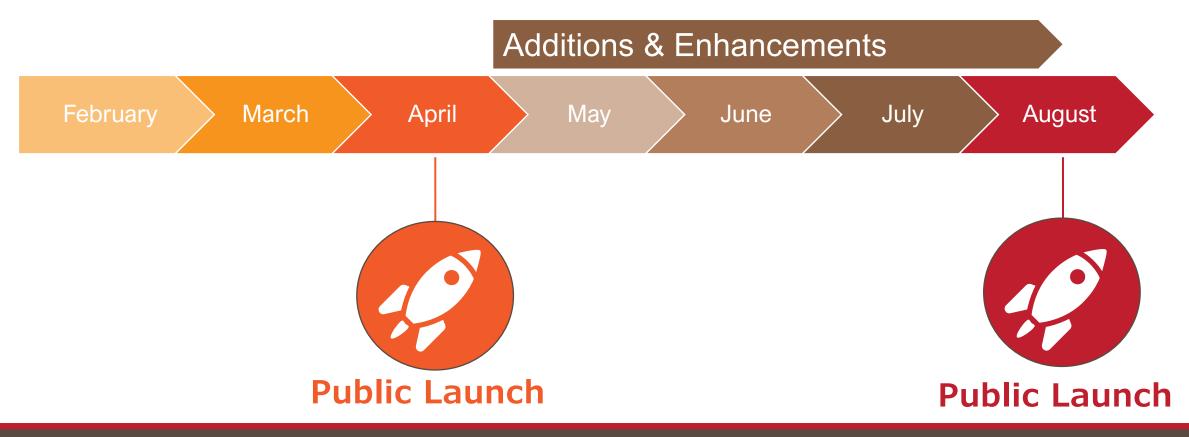
For communities to learn about relative risk profile, nature and effects of wildfire risk, and actions to mitigate risk.

- Prioritize mitigation efforts in state or county
- Identify communities where localized efforts needed
- Find resources to mitigate risk





TIMELINE: 2020





THE TEAM





- Washington Office
 Fire & Aviation
- Rocky Mountain
 Research Station





Nationally consistent data and risk metrics

Available nationwide: communities, counties, states

Grounded in the best available science

Easy to use and includes resources for action

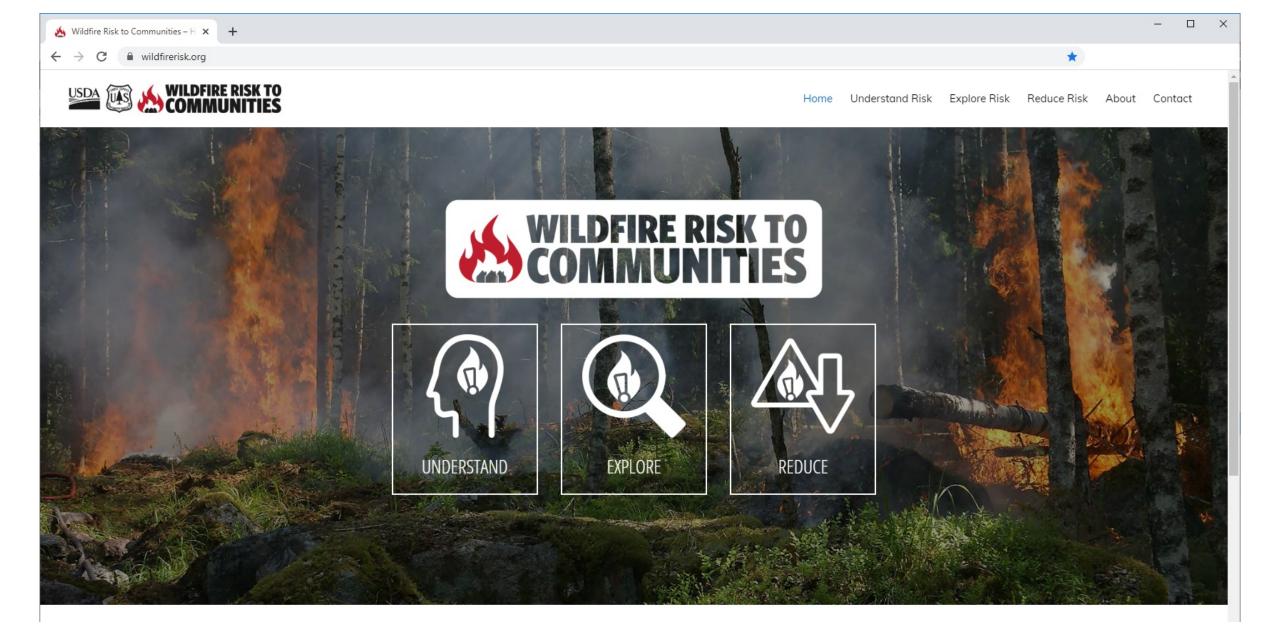
Not fine-scale: for comparing among rather than within

Not locally calibrated

Not predictive, does not include climate projections

Not a replacement for other assessments









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Focus on homes

Derived from population data



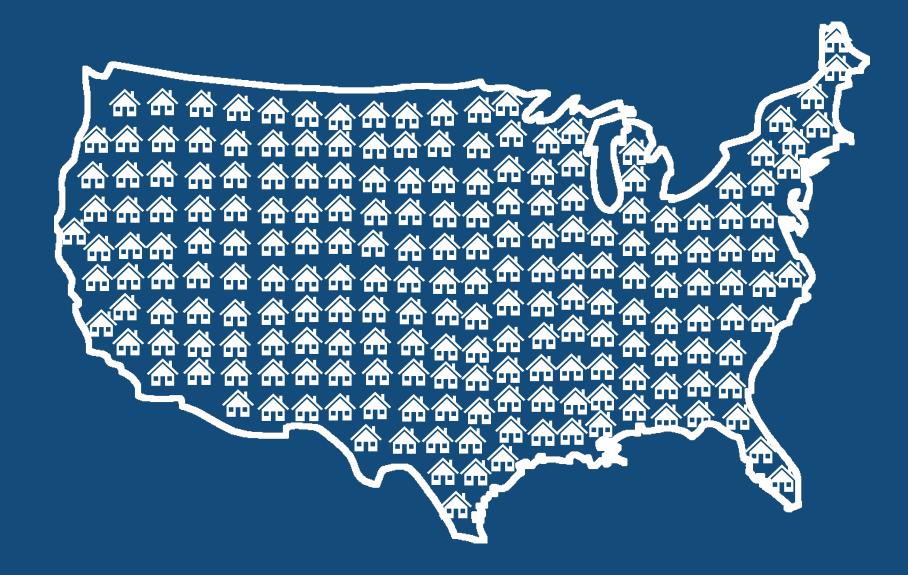
Homes damaged by intensity



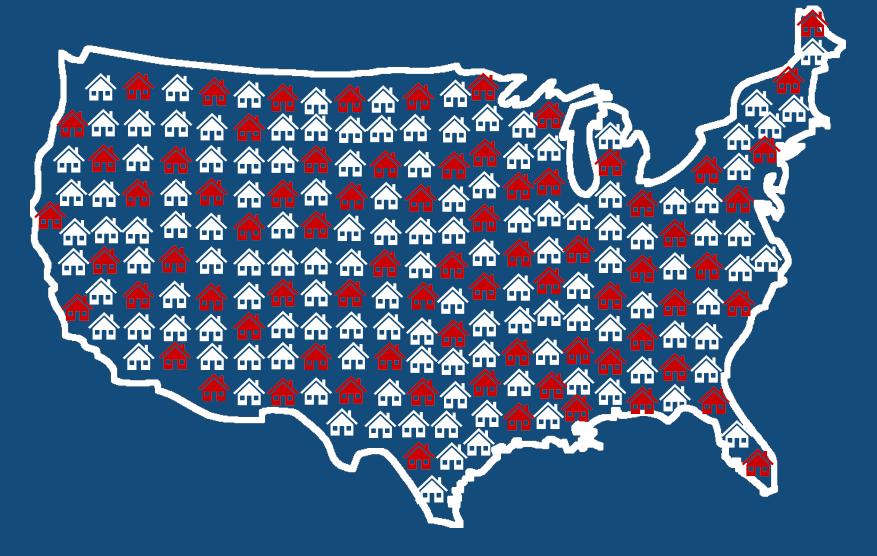
Other values not considered

 E.g., response, operations, watershed health, infrastructure

In the U.S...



...one in three homes is in the WUI.



\$3 Billion per year average federal fire suppression costs

NIFC Federal Suppression Costs: https://www.hifc.gov/rirelnfo/fireInfo_documents/SuppCosts.p

Suppression is only 9% of disaster costs

Other Costs & — Damages: 91%

> Headwaters Economics. 2018. Full Community Costs of Wildfire. https://headwaterseconomics.org/wildfire/homes-risk/full-community-costs-of-wildfire/

Suppression: 9%





TOOLS TO REDUCE RISK

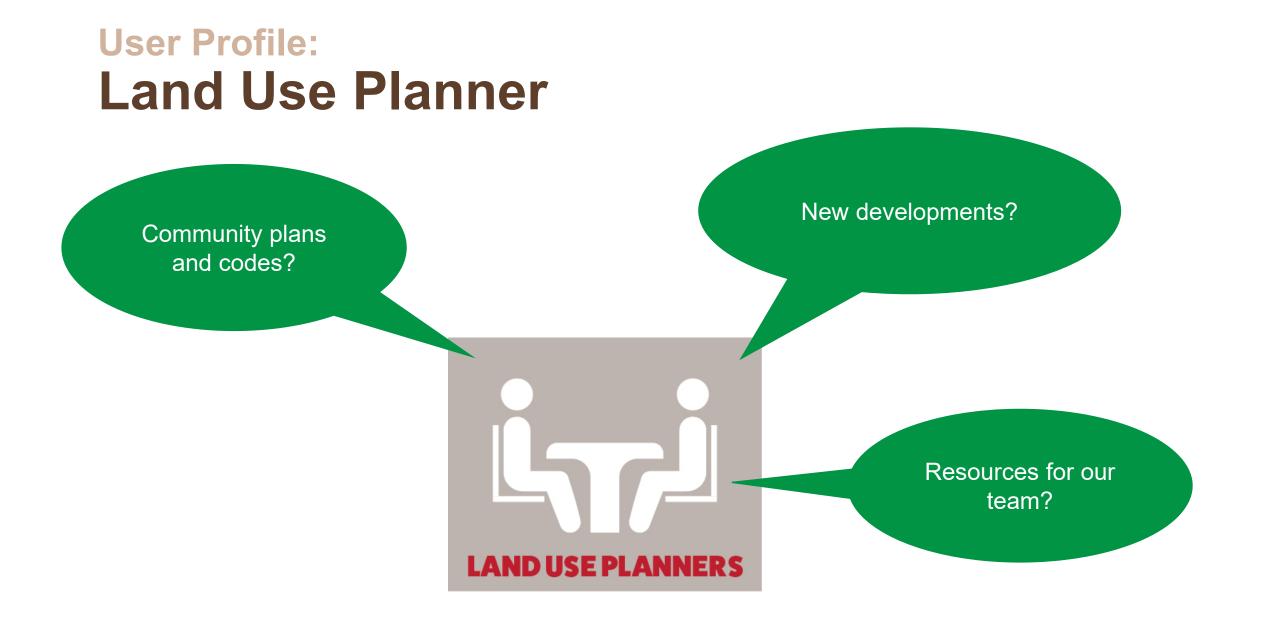










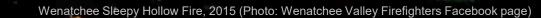










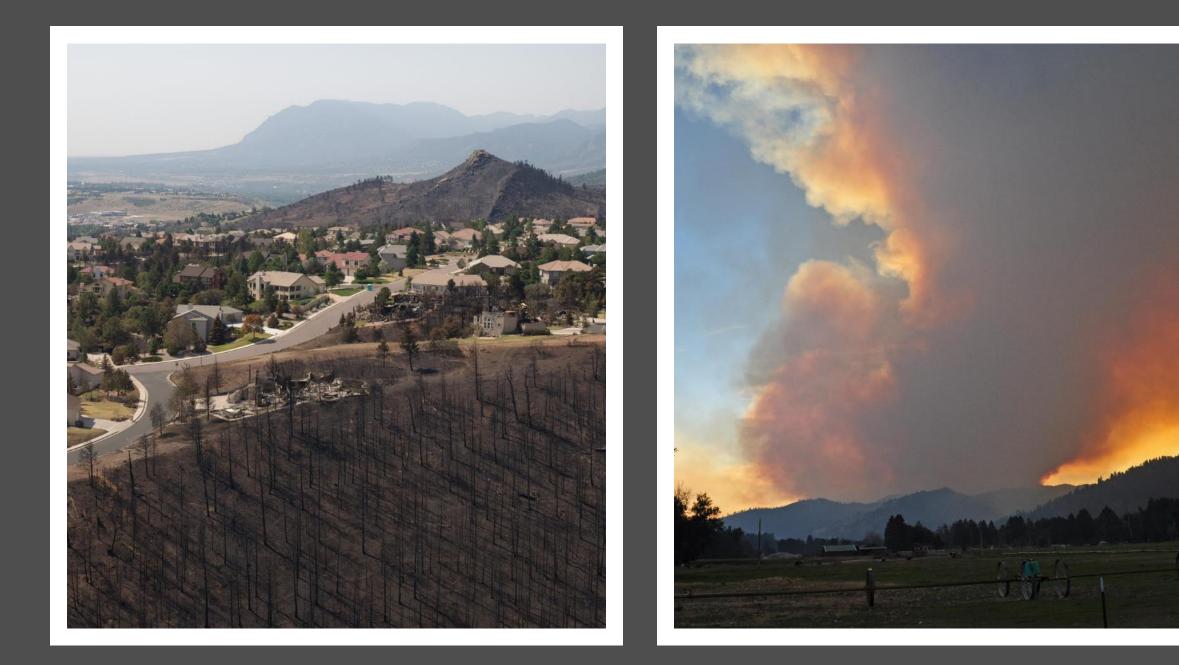


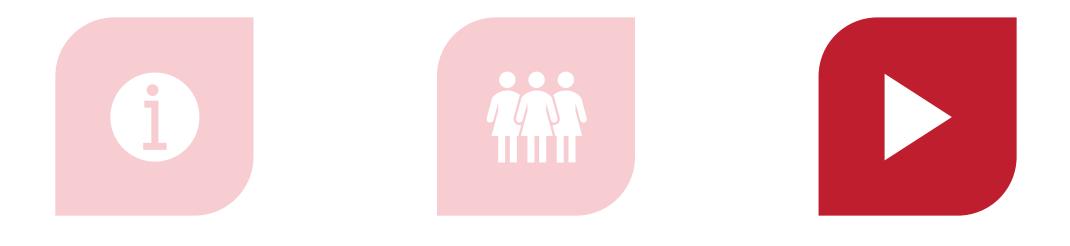
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Questions? Thank You!



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wildfirerisk.org

MAPS & DATA INCLUDED:



Interactive Webpages

April

Wildfire Likelihood

April

August

Exposure Type

Vulnerable Populations

For Download (GIS, tabular)

- Risk to Homes
- Wildfire Likelihood
- Exposure Type
- Conditional Flame Length
- Flame Length Exceedance Probability 4 ft
- Flame Length Exceedance Probability 8 ft
- Conditional Risk to Homes
- Wildfire Hazard Potential
- Housing Unit Density
- Expected Annual Housing Unit Exposure
- Annual Housing Unit Risk
- Annual Source of Housing Unit Exposure
- Conditional Source of Housing Unit Exposure

