

Service	Source	Link	Description
<b>Wildfire regulation</b>			
<b>Data</b>	LANDFIRE program	<a href="http://www.landfire.gov">http://www.landfire.gov</a>	Mapped topographic and fuel conditions across the entire United States updated on a regular basis
<b>Models</b>	Fire and Field Extension (FFE) - Forest Vegetation Simulator (FVS)	<a href="http://www.fs.fed.us/fmssc/ffvs">http://www.fs.fed.us/fmssc/ffvs</a>	Links the dynamics of forest vegetation (primarily trees) with models of snag, fuels, and fire behavior
	FireBGCv2	<a href="http://www.firelab.org/project/firebgcv2-simulation-platform-and-projects">http://www.firelab.org/project/firebgcv2-simulation-platform-and-projects</a>	Modeling program and platform that mechanistically simulates fire, vegetation, and climate and fuels dynamics across multiple space and time scales
	FARSITE	<a href="http://www.firelab.org/project/farsite">http://www.firelab.org/project/farsite</a>	Models how an ignition will likely evolve as a fire from a specified point, given input fuel and weather conditions
	FlamMap	<a href="http://www.firelab.org/project/flammap">http://www.firelab.org/project/flammap</a>	Models the type of fire expected were an entire area to burn under one or more specified sets of weather conditions
	Treatment Optimization Model (TOM)	Finney 2006	Minimum travel time (MTT) component identifies avenues through which fire will likely spread the fastest
	FSPRO	<a href="http://wfdss.usgs.gov/wfdss/pdfs/FSPRO.pdf">http://wfdss.usgs.gov/wfdss/pdfs/FSPRO.pdf</a>	Used to compute a probability surface associated with a range of possible weather and a specified duration
	Large Fire Simulator (FSim)	<a href="http://www.firelab.org/project/wildfire-hazard-potential">http://www.firelab.org/project/wildfire-hazard-potential</a>	Models estimates of annual conditional fire probability and fire line intensities across an entire landscape
	Structure Ignition Assessment Model (SIAM)	Cohen 1995	Models how changes in structural materials (especially choice of roofing materials) and surrounding vegetation change a structure's vulnerability to fire
	WildFIRE Wizard Model	<a href="http://flash.org/wfwizard">http://flash.org/wfwizard</a>	Tool designed to help people understand how landscaping, terrain, and structural features increase or decrease their home's vulnerability during a wildfire
	Wildfire Climate (FIRECLIM)	<a href="http://projects.cares.missouri.edu/fireclim-montana/Methods/Methods.html">http://projects.cares.missouri.edu/fireclim-montana/Methods/Methods.html</a>	Estimates expected property damage to residents from wildfire in light of continued climate change and residential development
	Rapid Assessment of Values at Risk (RAVAR)	<a href="http://www.fs.fed.us/rm/wfdss_ravar">http://www.fs.fed.us/rm/wfdss_ravar</a>	Designed to enhance both real-time fire management strategy and long-term wildfire risk reduction planning by going beyond structures to other elements of human well-being

Esri ArcMap -  
ArcFuels

<http://www.arcfuels.org>

Uses a logic process that identifies valuable natural and infrastructure assets and iteratively explores how treatments could modify risk to each asset

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Cohen, J.D. 1995. *Structure Ignition Assessment Model*. General Technical Report PSW-GTR-158. U.S. Department of Agriculture, Forest Service.

Finney, M.A. 2006. "An Overview of FlamMap Fire Modeling Capabilities." *Fuels Management: How to Measure Success: Conference Proceedings, 28–30 March 2006*, 549–561. Portland, OR. Rocky Mountain Research Station RMRS-P-41.