INCREASING SOUTHEASTERN U.S. WILDLAND FIRE RESILIENCY THROUGH THE COHESIVE STRATEGY STORYMAP

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1898 Great Fire

North & South Carolina

14 lives lost

3 million acres burned

1998 Volusia Complex Fire

Florida

111,000+ acres burned

2006 E. Amarillo Complex

Texas

900,000+ acres burned

2007 Big Turnaround Fire

Georgia

388,000+ acres burned

2016 Chimney Tops 2 Fire

Tennessee

14 lives lost

17,000+ acres burned

2017 Rhea Fire

Oklahoma

286,000+ acres burned

Data: National Interagency Fire Center



Southeastern Wildfire History





National Cohesive Wildland Fire Management Strategy (Cohesive Fire Strategy)



It is not a matter of if another wildfire will occur, it is a matter of when it will occur. Will we be prepared when that time comes?

Comprehensive approach to addressing US wildland fire challenges. "All hands, all lands" approach.

Three National Goals:

Promote fire-adapted communities

Develop fire-resilient ecosystems

Create a safe and effective fire response

Southeast Cohesive Fire Strategy



- Success Stories
- Website
- Resources
- News/ events
- Webinars
- Outreach



www.southernwildfire.net

Reaching the Public: ArcGIS Story Map

What is a Story Map?

- Way to inform, engage, and inspire people with any story you want to tell that involves maps, places, locations, or geography.
- Web applications that let authors combine maps with narrative text, striking images, and multimedia.
- Designed to be attractive and usable by anyone.
- Great for education and outreach, including general public or specific audience.

https://storymaps.arcgis.com

ArcGIS Story Map: https://storymaps.arcgis.com



Story Maps support effective digital storytelling, emphasizing:

Target audience, capturing attention, user-friendly maps, simplicity, impactful templates

https://storymaps.arcgis.com



A Story Map



Keswick, east of Iron Mountain Rd

This app features 360-degree imagery courtesy of Hangar Technology. You can click and drag each image to pan around the map.

Use the arrows to the right to scroll between all locations. Scroll vertically on mobile to see all locations.

Aerial photos were collected as part of a multi agency collaboration. Licensed UAV pilots from Menlo Park



Map Tour Template



Primary target audience: Public

Capturing attention: Images, statistics, simple interactive maps

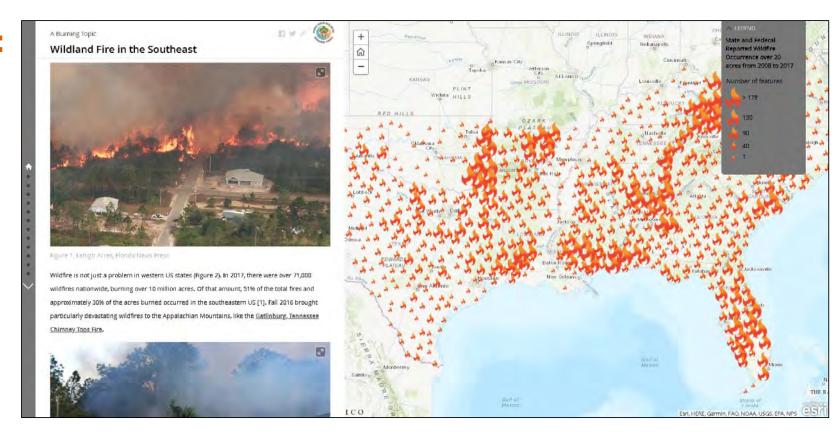
Succinctly communicate:

- Current wildland fire challenges, risks & solutions
- Importance of fire-dependent ecosystems & prescribed fire
- Showcase southeastern successes in wildland fire activity

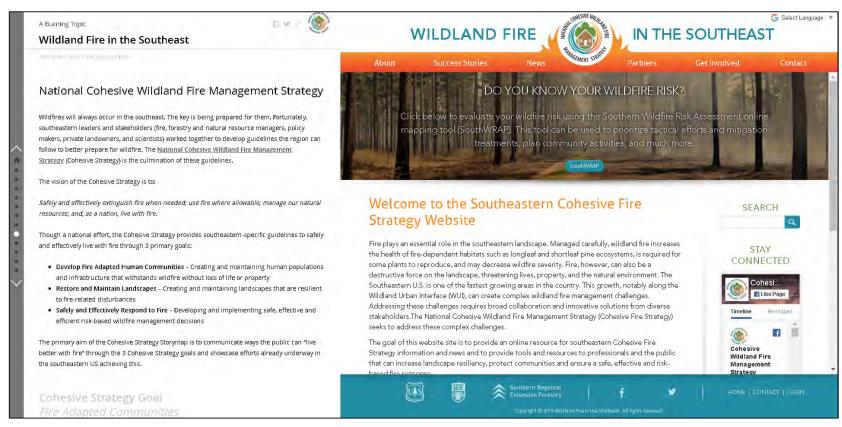
Avoid jargon, use simple language

Appropriate Template: Map Journal Template

- Part 1 narrative:SE wildfire challenges
- Interactive map: wildfires (2008-2017)

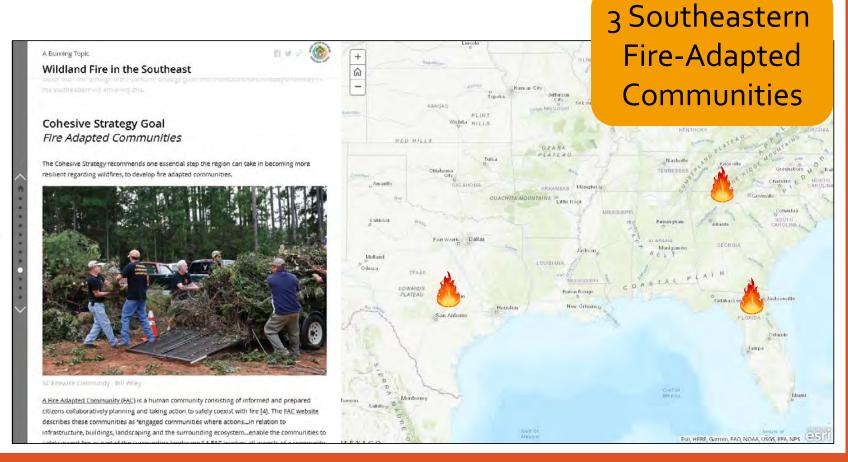


- Part 2
 narrative:
 Cohesive
 Fire Strategy
 as solution
 to challenges
- Link to website



- Part 3

 narrative:
 fire-adapted
 communities
 goal
- Interactive maps



A Burning Topic

Wildland Fire in the Southeast

How to Become a Fire Adapted Community

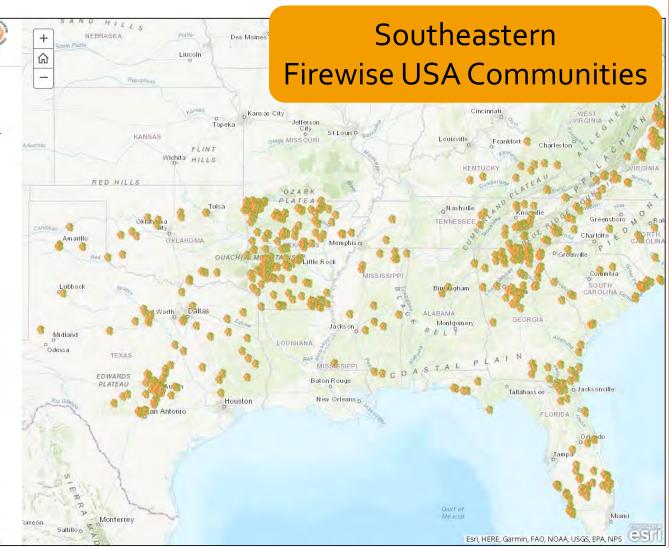
Becoming a fire adapted community is a process, with no endpoint or specific program to follow or certification to obtain. Instead, each FAC develops their own direction depending on local factors and conditions, such as government and community interests, land use, climate, and the natural environment. Within the FAC framework, however, the following resources and programs are recommended to develop and sustain a FAC:

FAC Learning Network. [image 13] The <u>Fire Adapted Communities Learning Network</u> is a
national network of people working to build wildfire resilience capacity in fire-prone
communities. <u>Learn more about the FAC Learning Network through their Field Guide</u>



FAC Learnig Network

Firewise. [Image 14] This resource provides landscape and building material recommendations that make a home safer during a wildfire. It is very helpful for homeowners to implement these Firewise recommendations, but a greater impact is made at a community-level. Get more involved in becoming Firewise by contacting your state Firewise Coordinator (AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX, VA). Firewise USA is a community recognition program that recognizes over 1,500 national Firewise USA sites. The map to the right displays all [#) southeastern Firewise USA sites. Hover over one of the icons



Components:

Part 4 narrative: promoting fire-resilient ecosystems, where we provide support for the benefits of prescribed fire use and fire-dependent ecosystems

Interactive maps:

Natural ranges of fire-adapted ecosystems
Landowner prescribed fire field days, "Learn and Burns"
Success stories of:

- Prescribed fire reducing wildfire severity
- Wildlife habitat management using prescribed fire
- Public events/ activities centered on prescribed fire

- Part 5
 narrative:
 safe and
 effective fire
 response
- Interactive map



Marketing:

 "Push Card", or promotional card distributed to public and professional events

Lessons Learned/ Challenges:

- Getting quality spatial data- difficult
- Keeping narrative short/ deciding what is important
- Not including too many external links

Thanks for your attention.

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Facebook Page: Cohesive Wildland Fire Management Strategy

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