

Foresight Research in the US Forest Service

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Northern Research Station, US Forest Service**

**Public Sector Foresight Network
The State of Foresight in US Federal Agencies**

San Francisco, CA

July 24, 2015



US Forest Service, National Forest System





Department of Agriculture



U.S. Forest Service

National Forest System

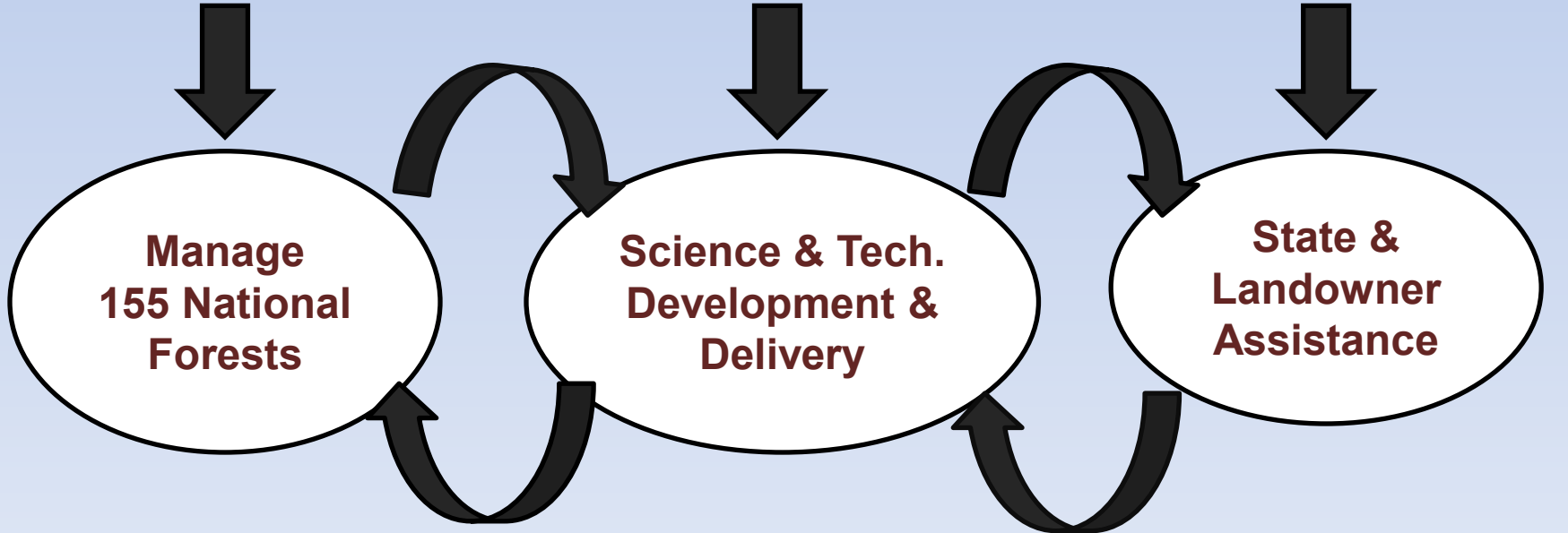
Research & Development

State & Private Forestry

**Manage
155 National
Forests**

**Science & Tech.
Development &
Delivery**

**State &
Landowner
Assistance**





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Strategic Foresight Group



"The vast possibilities of our great future will become realities only if we make ourselves responsible for that future." – Gifford Pinchot

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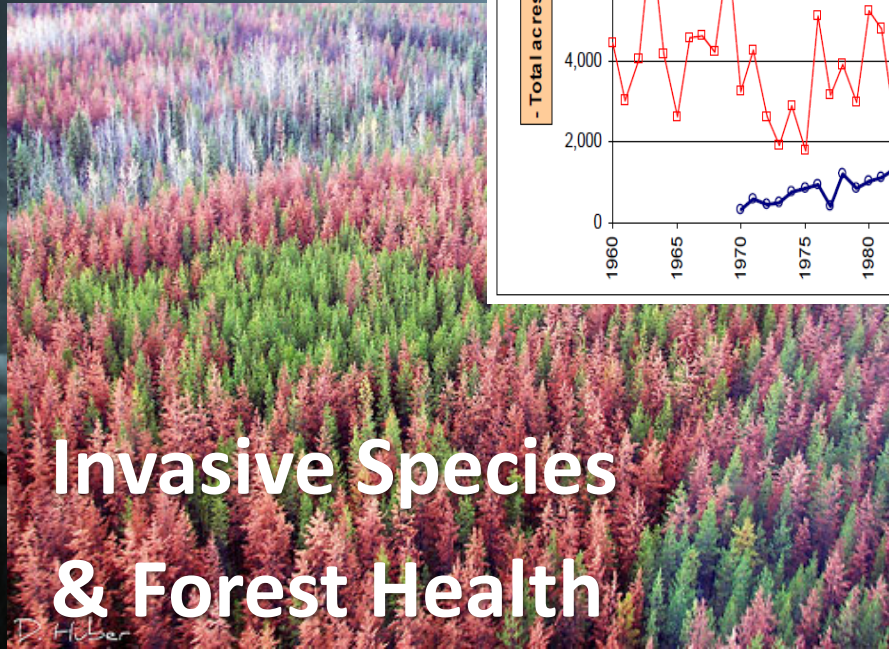
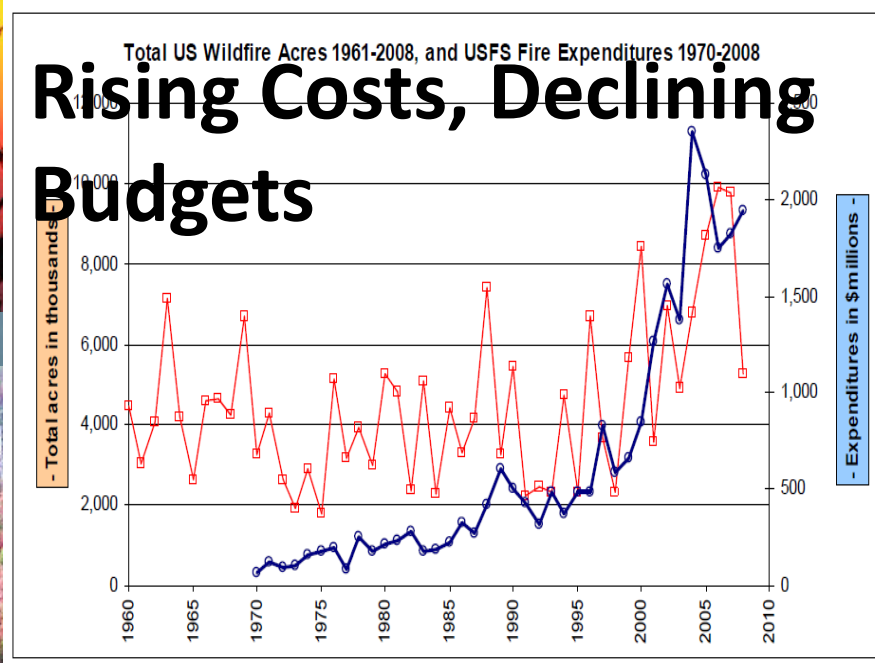
Strategic Foresight Group Implementation Plan (pdf - You may download a free pdf reader from Adobe.)

The Future of Wildland Fire Management



**Hotter, Drier
Conditions**

**High Biomass Fuel
Loads**



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New Report Warns Mega-Fire Risk Is Global and Growing

Outdated forest fire prevention methods and global warming are teaming to produce so-called mega-fires

By [Dina Fine Maron](#) and [ClimateWire](#)

[ClimateWire](#)

Global warming and decades of outmoded fire prevention strategies are merging to set the stage for massive "mega-fires" that scar communities' homes and pocketbooks, according to a new assessment.





Cellulose Nanomaterials— A Path Towards Commercialization Workshop Report

August 2014

Wood-based Nanomaterials: A Potential Game-Changer In Forestry



A Workshop Co-Sponsored by
USDA Forest Service
National Nanotechnology Initiative

May 20 – 21, 2014

USDA Patriot Plaza III
355 E St., SW, Washington D.C.



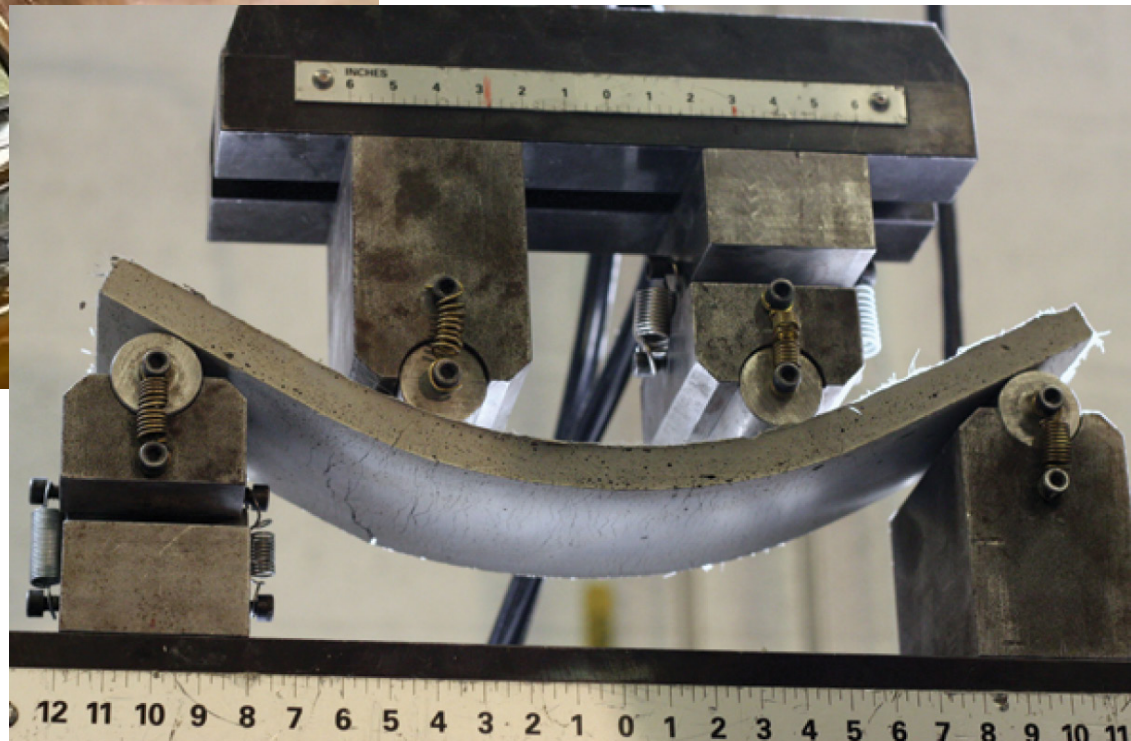
A cellulose nanofibril computer chip

Green Flexible Displays



Examples of Cellulose Nanomaterial Products

Bendable
Concrete



Urban Forestry Futures



Strategic Foresight Group:

- Explore futures of high-priority issues
- Promote forward thinking



Wood-Based Nanomaterials

The Nanocellulose Pilot Plant – A “Game Changer” in the News



FPL's
new

FPL's nanocellulose pilot plant, housed within a larger laboratory research