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Tropical Fire Ecology Climate Change

Tropical Fire Ecology: Climate Change, Land Use and Ecosystem Dynamics (Springer Praxis Books) Softcover reprint of hardcover 1st ed. 2009 Edition by Mark Cochrane (Author) ISBN-13: 978-3642096020

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Tropical Fire Ecology: Climate Change, Land Use and ...

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Tropical Fire Ecology: Climate Change, Land Use and ...

Tropical Fire Ecology: Climate Change, Land Use and Ecosystem Dynamics (Springer Praxis Books) 2009th Edition by Mark Cochrane (Author) ISBN-13: 978-3540773801

Amazon.com: Tropical Fire Ecology: Climate Change, Land ...

Outlines the principles of fire science and fire ecology; Details the fire situation and regime changes in 17 different tropical ecosystems around the world; Follows a common template of subjects to enable comparison of each ecosystem; Discusses the probable future implications of global climate change for regional fire and land cover change

Tropical Fire Ecology - Climate Change, Land Use and ...

Fire Ecology of Tropical Ecosystems fills a large void in our current understanding of how fire affects terrestrial biota. The book opens with a general explanation of fire in the tropics, giving the examples of Oazaca, Mexico in 1998 and Roraima, Brazil in 1997-1998. It follows with the concepts and principles of wildland fire, including heat transfer, fire behavior, fuels, weather and climate.

Tropical Fire Ecology: Climate Change, Land Use and ...

Tropical ecosystems are being converted to agricultural and other land uses at unprecedented rates. Land conversion and maintenance almost always rely on fire and, because of this, fire is now more prevalent in the tropics than anywhere else on Earth. Despite pervasive fire, human settlement and threatened biodiversity, there is little comprehensive information available on fire and its effects in tropical ecosystems.

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Fire has been central to terrestrial life ever since early anaerobic microorganisms poisoned the atmosphere with oxygen and multicellular plant life moved onto land. The combination of fuels, oxygen...

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Fire Ecology of Tropical Ecosystems fills a large void in our current understanding of how fire affects terrestrial biota. The book opens with a general explanation of fire in the tropics, giving the examples of Oazaca, Mexico in 1998 and Roraima, Brazil in 1997-1998. It follows with the concepts and principles of wildland fire, including heat transfer, fire behavior, fuels, weather and climate.

Fire Ecology - Ecology - Oxford Bibliographies

On average, reductions in precipitation and terrestrial water storage increased fire emissions in pan-tropical forests by 133% during and following El Niño as compared with La Niña.

A pan-tropical cascade of fire driven by El Niño/Southern ...

Climate-related forest disturbances, particularly drought-induced tree mortality and large, high-severity fires from increasingly warm and dry conditions, are altering forest ecosystems and the ecosystem services society depends on (e.g., water supplies).

Craig D Allen, Ph.D. - USGS

Mark A. Cochrane, Mark A. Cochrane, Fire, land use, land cover dynamics, and climate change in the Brazilian Amazon. Tropical Fire Ecology, 10.1007/978-3-540-77381-8, (389-426), (2009). Crossref

The Society for Conservation Biology

Expertise: Wildfire ecology, climate change and fire, wildfire management, fuel treatment effectiveness, dry forest restoration, changing landscapes (legacies of fire exclusion, recent wildfires and climate change). Prichard is based in Washington's Methow Valley.

UW experts on wildfires, smoke impacts | UW News

Estimating critical climate-driven thresholds in landscape dynamics using spatial simulation modeling: climate change tipping points in fire management. In: Rideout-Hanzak, S.; Oswald, B.P.; Beierle, M., comps. Fourth Annual International Congress on Fire Ecology and Management: Fire as a Global Process: 2009 November 30 - December 4; Savannah, GA.

Fire Ecology - ROCKY MOUNTAIN RESEARCH STATION

Jennifer K. Balch is an American scientist best known for her work involving the Earth Lab Project at University of Colorado Boulder, primarily researches the relationship between fire and the Amazon.She specializes in research involving temperate and tropical ecosystems.

Jennifer Balch - Wikipedia

Fire is not just another evolutionary challenge that life needed to overcome, it is, in fact, a core ecological process across much of the planet. Citation: Cochrane, Mark A.; Ryan, Kevin C. 2009. Fire and fire ecology: Concepts and principles. In: Cochrane, Mark A., ed. Tropical fire ecology: Climate change, land use, and ecosystem dynamics.

Fire and fire ecology: Concepts and principles ...

Climate change is fueling wildfires. Here's how. Wildfires are dangerous and destructive. The historically large Camp Fire of 2018 caused at least ninety deaths, destroyed more than 18,000 structures, and covered an area roughly the same size as the Chicago metropolitan area.