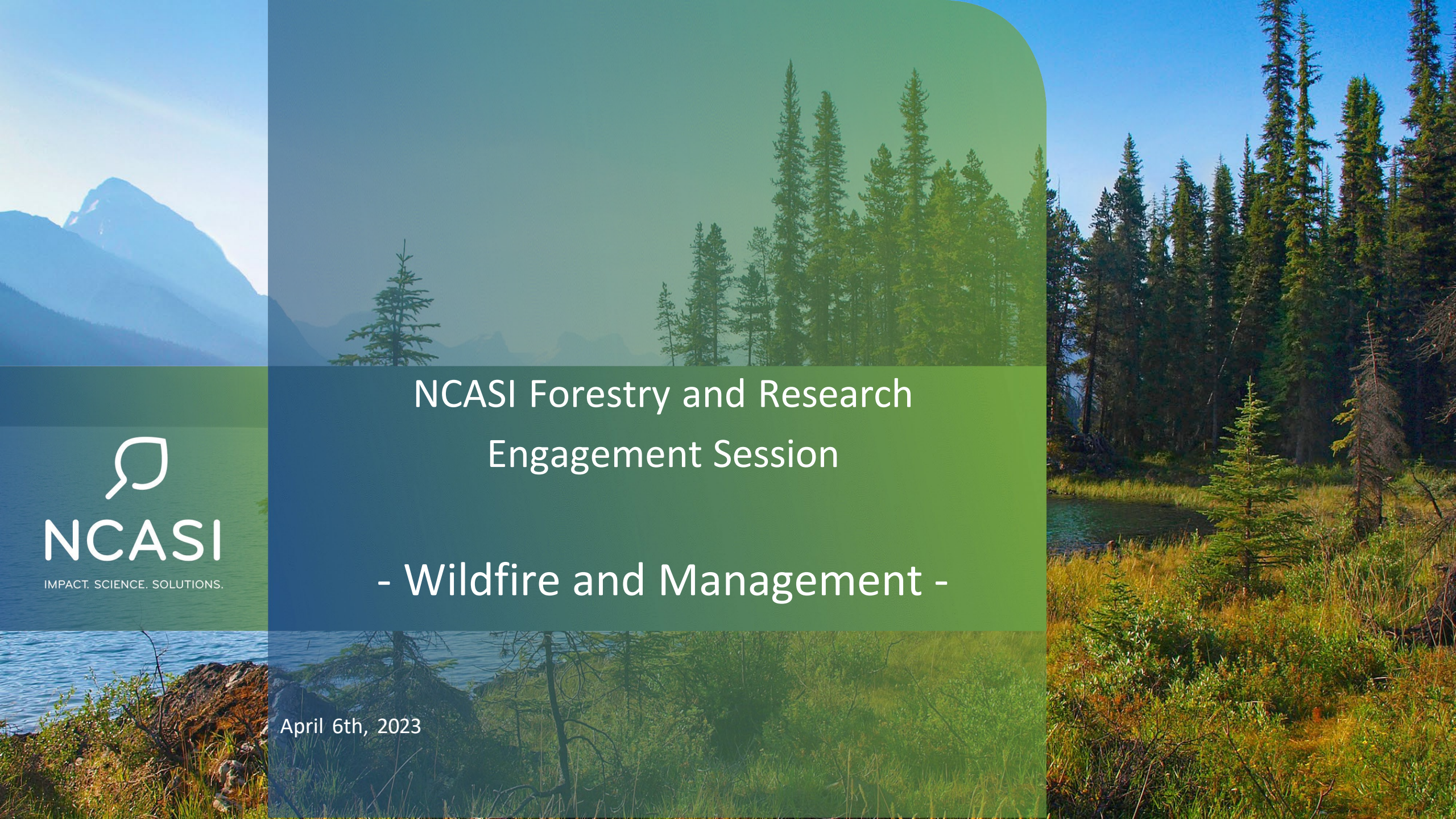

NCASI

IMPACT. SCIENCE. SOLUTIONS.

NCASI Forestry and Research Engagement Session

- Wildfire and Management -

April 6th, 2023

eclipse
THROUGH THE EYES OF NASA
NASA
CANADA
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
ONTARIO
QUEBEC
NOVA SCOTIA
2024 Total Solar Eclipse
4:35 PM ADT
3:30 EDT
3:25 EDT
3:20 EDT
3:15 EDT
3:10 EDT
3:05 EDT
2:05 CDT
2:00 CDT
1:55 CDT
1:50 CDT
1:45 CDT
1:40 CDT
1:35 CDT
1:30 CDT
12:30 CST
12:25 CST
12:20 PM CST
WASHINGTON
OREGON
IDAHO
MONTANA
WYOMING
NEVADA
UTAH
COLORADO
CALIFORNIA
ARIZONA
NEW MEXICO
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
MINNESOTA
IOWA
MISSOURI
ARKANSAS
LOUISIANA
WISCONSIN
ILLINOIS
MICHIGAN
INDIANA
OHIO
KENTUCKY
TENNESSEE
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
S. CAROLINA
N. CAROLINA
VIRGINIA
WEST VIRGINIA
PENNSYLVANIA
NEW YORK
MAINE
UNITED STATES
MEXICO
Pacific Ocean
Atlantic Ocean
Gulf of Mexico
Lake Superior
Lake Michigan
Lake Huron
Seattle
Portland
San Francisco
San Jose
Sacramento
Fresno
Los Angeles
San Diego
Las Vegas
Phoenix
Tucson
Albuquerque
El Paso
Denver
Dallas
Ft. Worth
Austin
San Antonio
Houston
Kansas City
St. Louis
Chicago
Indianapolis
Detroit
Columbus
Cleveland
Memphis
Nashville
Atlanta
Jacksonville
Philadelphia
New York
Boston
Washington D.C.
The 2024 Total
Solar Eclipse
through the eyes of
NASA
Lunar topography data from NASA's Lunar Reconnaissance Orbiter and the Japan Aerospace Exploration Agency's SELENE lunar orbiter were used to precisely calculate the location of the Moon's shadow for the 2024 total solar eclipse. The planetary positions are from NASA's Jet Propulsion Laboratory Development Ephemeris 421. Earth imagery from NASA's Blue Marble: Next Generation series were used to create the terrain and Earth at night imagery from NASA's Black Marble were used under the eclipse path.
2024 Total Solar Eclipse
Monday, April 8, 2024
Credit: Michala Garrison and the Scientific Visualization Studio (SVS), in collaboration with the NASA Heliophysics Activation Team (NASA HEAT), part of NASA's Science Activation portfolio
Eclipse calculations by Ernie Wright, NASA Goddard Space Flight Center
0 mi 200
0 km 200
2024 Path of Totality April 8, 2024
Along a path about 115 miles wide, the Moon will completely block the Sun in the sky. Totality lasts up to about 4 minutes and 28 seconds depending on the viewer's location within this path.
Outside of this path, viewers within the 48 contiguous U.S. states and many other areas will see a partial solar eclipse (in the shaded areas below).
Find More: solarsystem.nasa.gov/eclipses/2024
2024 Maximum Partial Obscuration (%)
2024 Maximum Partial Obscuration (%)

Welcome!

- Session will be recorded and made available on the NCASI website
- Questions or Comments: Q/A Button
- Webinar Feedback (ksolarik@ncasi.org)
- Past Sessions: https://www.ncasi.org/events/?types=webinars
  - 2022-23: Climate Adaptations Strategies
  - 2021-22: Old-Growth

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NCASI Forestry and Research Engagement Session

Wildfire and Management

April 8, 2024 | 1:00 - 3:00 PM (EST) | Register

Time (EST)	Topic	Presenter
1:00 - 1:05 PM	Welcome & Session Introduction	**Dr. Kevin Solarik** *Director of Forestry Research, Canada & Northeastern/Northcentral U.S., NCASI*
1:05 - 1:20 PM	The 2023 wildfire season in Canada: an overview of extreme conditions, impacts, lessons learned and considerations for the future	**Dr. Yan Boulanger** *Research Scientist, Canadian Forest Service – Laurentian Forestry Centre*
1:20 - 1:35 PM	Assessing landscape fire exposure and directional vulnerability for forest management planning	**Dr. Jen Beverly** *Associate Professor, University of Alberta*
1:35 - 1:50 PM	Creating Climate and Wildfire Adapted Conditions: Solutions for Western North American Forest Landscapes	**Dr. Paul F. Hessburg, Sr.** *Senior Research Ecologist, USDA Forest Service, Pacific Northwest Research Station*
1:50 - 2:05 PM	Fuel succession dynamics and effective fuel treatments	**Mr. Robert Gray** *President, R.W. Gray Consulting Ltd.*
2:05 - 2:20 PM	Indigenous Fire Stewardship	**Dr. Amy Cardinal Christianson** *Fire Social Scientist, Canadian Forest Service – Northern Forestry Centre*
2:20 - 2:35 PM	Reducing the risk of severe wildfire through forest management: examples, opportunities and challenges	**Dr. Kari Stuart-Smith** *Manager, Biodiversity and Wildlife, Canadian Forest Products Ltd.*
2:35 - 3:05 PM	Presenter Roundtable – Audience Questions & Discussion