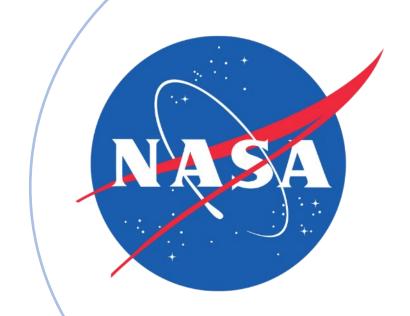






#### USFS – NASA Virtual Pitch Fest / June 3, 2020

Detection and Attribution of a Recent, Unexpected Hydrologic Change By: Mark Green, Scott Bailey, John Campbell



## About Me



Mark Green

Senior Research Associate, Case Western Reserve University

And

Research Hydrologist, Northern Research Station



Focus Areas: Forest hydrology



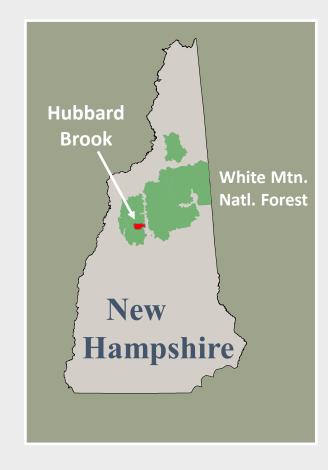
Scott Bailey Research Geologist, Northern Research Station

John Campbell Research Ecologist, Northern Research Station

#### Detection and Attribution of a Recent, Unexpected Hydrologic Change



- Hubbard Brook
  Experimental Forest
- White Mountains
- Northern Forest



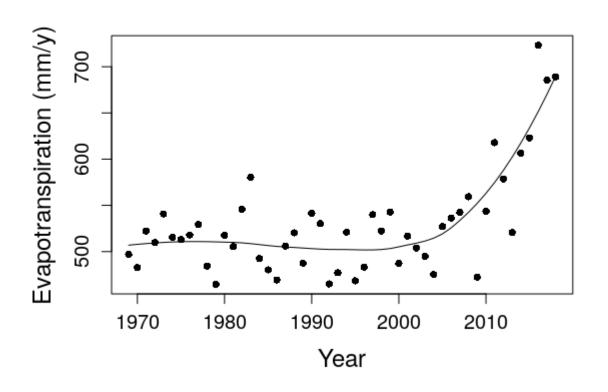
### The Idea

Evapotranspiration from the Hubbard Brook forest appears to be changing rapidly.

What is exactly happening and why?

What is the scale of this change?

Can we leverage this change to identify best practices for detecting similar changes with remote sensing?





## The Idea



# What EO data does your idea utilize?

The Idea



## The Idea – Outcomes / Societal Benefits



- Decision Support: We expect this idea will improve monitoring protocols for tracking hydrologic changes with remote sensing of forests.
- Benefit to the Forest Service: More efficient and accurate identification of areas experiencing major hydrologic changes.

# Thank You!

