



PROFILE

Dr. Katharyn Duffy works at the intersection of forestry, wildfire, and EcoInformatics - ecology and 'big data'. She co-authored the first wildfire-driven forest carbon methodology, and continues to innovate data-driven methods to support natural climate solutions. Katharyn's work also includes developing and supporting courses on *Interdisciplinary Team-Based Science and Ecological Informatics using Open Research Infrastructures and their Data* to support open, reproducible, and inclusive science.

CONTACT

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SELECT PUBLICATIONS

"How close are we to the temperature tipping point of the biosphere?" 2021. *Science Advances*. 7 (3)

"*Environmental Informatics Using Research Infrastructures & Their Data*" 2020.

"Improved Forest Management for Fire-Adapted Forests" 2022. Verra Certified Standard.

"Six central questions about biological invasions to which NEON data science is poised to contribute" 2021. *Ecosphere*. 12 (9)

"The Pheno-Synthesis software suite for integration and analysis of multi-scale, multi-platform phenological data" 2021. *Ecological Informatics*. 65

KATHARYN DUFFY

EXPERIENCE

Lead Scientist: Nature-based Solutions – Vibrant Planet
2022 – present
Incline Village, NV

Technical Advisory Committee - Embodied Forest Carbon & Related Impacts
2022 – present
Flagstaff, AZ

Adjunct Faculty: School of Informatics, Computing & Cyber Systems - Northern Arizona University
2022 – present
Flagstaff, AZ

User Working Group - Land Processes Distributed Active Archive (LP DAAC)
2021 – present
Flagstaff, AZ

Instructor: EcoInformatics - Northern Arizona University
2020 – 2022
Flagstaff, AZ

Open Source Software Engineer: Advanced Phenological Information Systems - Northern Arizona University, USGS, NASA
2018 – 2020
Flagstaff, AZ

National Science Foundation: New Zealand Fellow - University of Waikato
2016 – 2018
Hamilton, New Zealand

NASA Graduate Research Fellow - Northern Arizona University
2013 – 2017
Flagstaff, AZ

EDUCATION

Northern Arizona University
2013 – 2018
Earth Science: Climate & Landscape Change (Doctor of Philosophy) *with distinction*

Northern Arizona University
2011 – 2012
Climate Science & Solutions: Forestry (Master of Science) *with distinction*

Portland State University
2009 – 2011
Geology (Bachelor of Science), *magna cum laude*