

NSF Spatiotemporal Innovation Center



July 2022 Monthly Newsletter

Edited by Seren Smith

Content provided by Seren Smith, Phil Yang, Wendy Guan, Qian Liu, Kennedy Carper

Designed Yun Li, Ziyue Xu, & Seren Smith

August 1st, 2022

Spatiotemporal Computing RoadMap Workshop

The I/UCRC for Spatiotemporal Thinking, Computing and Applications (a.k.a. NSF Spatiotemporal Innovation Center) is hosting a workshop at University of Washington – Seattle to define the research roadmap for spatiotemporal studies in the next 5-10 years. Domain leaders from academia, industry and agencies are invited to share their successful stories, and challenging practices to help inform the research agenda considering the latest revolution and advancements of science and technology. This meeting will review the domain's innovative research and identify new research directions through collaborations among academia, industry, and agencies.

[2022 Aug. 18-19 UW-Seattle Workshop on Spatiotemporal Computing Roadmap](#)



START Alumna Accepted to Bachelor's Program

Engineering student and a member of the 2021-2022 SMART intern cohort, Kennedy Carper has recently been accepted into the joint program between Florida State University/Florida Agricultural and Mechanical University (FSU/FAMU) College of Engineering, and is set to work towards her bachelor's degree in Civil and Environmental Engineering in Fall 2022. We wish her the best of luck in her academic endeavors.

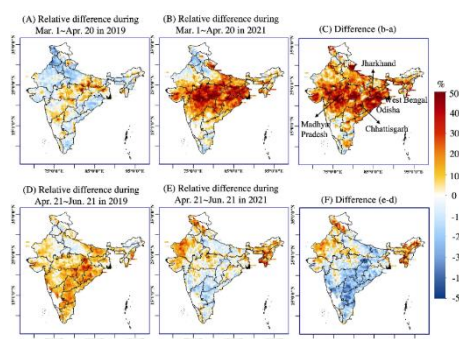


Tropospheric Nitrogen Dioxide Increases Past Pre-Pandemic Levels Due to Economic Reopening in India

Qian Liu published her latest paper, "Tropospheric Nitrogen Dioxide Increases Past Pre-Pandemic Levels Due to Economic Reopening in India", in the journal, *Frontiers in Environmental Science*. This paper finds a significant elevation of NO₂ in India during the reopening period.

For further information and/or inquiries, please email Dr. Qian Liu at qliu6@gmu.edu.

[Read More](#)



ESIP Summer Meeting July 18-22 at Pittsburg, PA

Chaowei Yang, Anusha Srenganathanmalarvizhi., Zifu Wang and our REU Theo Trefonides participated in ESIP summer meeting to introduce research on [spatiotemporal downscaling and simulation for air quality](#), [open source for open science \(arctic sea ice classification\)](#) and bursting cloud computing loads using the private cloud at the center.

For further information and/or inquiries, please email Dr. Chaowei Yang cyang3@gmu.edu

