



## **PFAST Network** (Per- and Polyfluoroalkyl Substance Testing Network)

### Meet Team 7: Data Science and Management

**Christopher Lenhardt**, co-lead, is Domain Scientist in the Renaissance Computing Institute (RENCI) at UNC Chapel Hill.

**Helena Mitsova, Ph.D.**, co-lead, is Professor of Marine, Earth & Atmospheric Sciences & Associate Director for Geovisualization in the Center for Geospatial Analytics (CGA) at NC State University.

**Arcot Rajasekar, Ph.D.**, information scientist, is Professor in the School of Information and Library Science (SILS) and Chief Domain Scientist in the Renaissance Computing Institute (RENCI) at UNC Chapel Hill.

**Mohammad Jarrahi, Ph.D.**, information scientist, is Assistant Professor in the School of Information and Library Science (SILS) at UNC Chapel Hill.

**Zachary Arcaro**, Assistant Director of Operations (CGA) at NC State, geospatial data analytics

**Brian Blanton, Ph.D.**, Director, Earth Data Science (RENCI) at UNC Chapel Hill, environmental modeling

**Claris Castillo, Ph.D.**, Assistant Director of DevOps (RENCI) at UNC Chapel Hill, computer science

**Phil Owen**, Research Software Architect (RENCI) at UNC Chapel Hill, software development

**Vaclav Petras, Ph.D.**, Postdoc (CGA) at NC State, geospatial data analytics and visualization

**Lisa Stillwell**, Research Software Developer (RENCI) at UNC Chapel Hill, software development

**Jeff Tilson, Ph.D.**, Senior Research Scientist (RENCI) at UNC Chapel Hill, computational science

**Tripp Tuttle**, Graduate student (SILS) at UNC Chapel Hill, data science

**Eliscia Kinder**, Graduate student (SILS) at UNC Chapel Hill, data curation and metadata

**Praveen Wunnava**, Graduate student (SILS) at UNC Chapel Hill, data analytics

**Blake Baines**, Graduate student (CGA) at NC State, geospatial data analytics, GPS field support

**Stacie Reckling**, Graduate Student (CGA) at NC State, geospatial data analytics

Team Objective: Provide geospatial data expertise and tools to support PFAST data-related activities and support PFAST Network data science requirements related to collecting, managing, and disseminating Network data. Specific aims include:

- Identify and support geospatial data collection and processing for each team
- Discuss and define specific data management logistics
- Develop sampling site planning tool
- Develop project relevant data catalogs
- Develop a workflow and tools catalog
- Develop and maintain PFAST data policies
- Develop data package descriptions
- Metadata and documentation support
- Develop project data repository
- Develop re-usable scientific workflow tools
- Data dissemination through website with interactive map access
- Project coordination, communications and reporting