Current research projects are on modeling climate-induced risk in insurance:

- Statistical and machine learning methods for uncertainty quantification for predicting climate-induced insurance risks due to natural non-catastrophic events
- Data fusion of multi-source information on climate, weather, and residential and agricultural insurance claim dynamics;
- Visualization of peril maps and critical areas of highest vulnerability to natural disasters

Potential collaborations in

- Multi-resolution, multi-scale integration of space-time data (atmospheric variables, climate projections, remote sensing, insurance and economic indicators)
- Integrated environmental and economic assessment of uncertainty tailored for end-users
- Space-time risk visualization