



NRT: Rivers, Watersheds, Communities: Training an Innovative, Cross-Sector Workforce for Equitable, Multi-Scale Decision-Making Towards Human and Ecosystem Health



Main goal: implement an engagement model of graduate education to provide students an impactful and innovative learning experience, to develop practical and diverse skill sets, and build an understanding of varied cultural perspectives to prepare them for career paths in multiple sectors

Effect a cultural shift in STEM education through **community engagement** and **transdisciplinary learning** using a **student-centered** mentoring model

Expected number of students

- 25 NRT-funded trainees (9MS/16PhD)
- 20 non-NRT funded trainees (10MS/10PhD)
- 20 non-NRT students (10MS/10PhD)

Research themes

1. Equity, risk and the distribution of power
2. Human and ecosystem health consequences of anthropogenic change
3. Landscape dynamics and integrated solutions

Broader Impacts

1. **Solution oriented training** to solve complex problems in river systems
2. **Mentoring** model to attract underrepresented students
3. **Partnerships** for discovery and co-production of knowledge
4. **Culture** of ethical scientific practice for achieving equitable solutions

