

## A TEACHING FRAMEWORK

Environmental and social problems are tightly linked. Preparing the next generation to solve coupled socio-environmental (S-E) problems requires development of specific skills and habits. This framework is inspired by Wei et al. 2020 and offers educators and learners alike a point of entry to the:

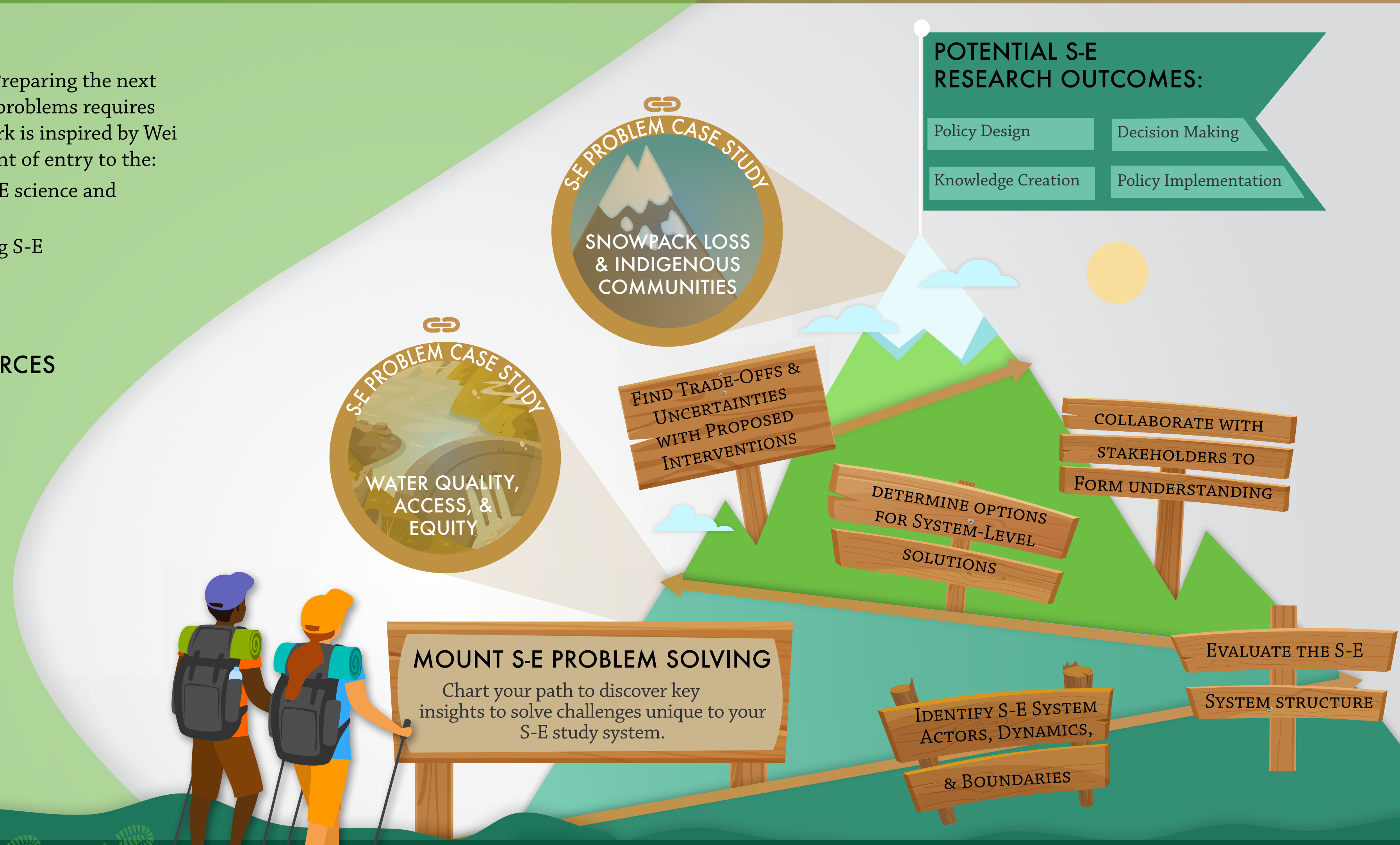
- Fundamental concepts and practices that underpin S-E science and are linked to essential skills and habits
- Elements of an S-E research process directed at solving S-E problems; the elements illustrated can occur consecutively, concurrently and recursively.

### RELEVANT ARTICLES

- “Social-ecological systems as complex adaptive systems”
- “Complexity of Coupled Human and Natural Systems”
- “Competancies and Pedagogies for Sustainability Education”
- “Linking classroom learning and research to advance ideas about social-ecological resilience”

### TEACHING RESOURCES

- SESYNC’s S-E Case Study Collection
- Case Studies in the Environment
- InTeGrate Teaching Materials
- Lessons Learned for Interdisciplinary Collaboration on S-E Problems



## YOUR ADVENTURE STARTS HERE

### BE PREPARED WITH THE SKILLS AND HABITS NEEDED TO SUMMIT YOUR SCIENTIFIC PROBLEM

<p><b>SYSTEMS THINKING</b> Ability to analyze a problem rooted in the systems’ dynamics and forces</p>	<p><b>INTEGRATIVE RESEARCH</b> Interdisciplinary methods, data sources, and frameworks</p>	<p><b>BOUNDARY CROSSING</b> Collaboration across disciplines, paradigms, and sectors</p>	<p><b>SOCIO-CULTURAL AWARENESS</b> Understanding of human societies, cultures, and beliefs</p>
--	--	--	--

