What We’ve Learned: Researcher Interests

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2017 NH Coastal Climate Summit
Our Challenge: Co-produce a research agenda for New Hampshire’s coastal watershed

Co-Production of Knowledge: Collaborative process bringing together different types and sources of knowledge to address a defined problem

Engaged Scholarship: Mutually beneficial collaborations

Researcher workshop guiding questions:

Planned or existing research that meets community needs?
Does your research align with these needs?
Any ideas for new or emerging research?
Research Topics Discussed

**Water:** flooding (coastal & freshwater); dams
   water quality & stormwater
   water & energy (& food)
   groundwater

**Infrastructure:** transportation
   wastewater treatment
   public health

**Natural Resources:**
   land conservation & ecosystem services
   sand dunes
   invasive species; riparian forests
Research Topics Discussed (cont’d)

**Policy:** prohibit development in high-risk areas
   buyback programs
   when do you close a street?

**Communication:** collect & share climate impact narratives
   create personal connections
   story maps

**Economics:** quantifying avoided costs & damage costs
   estimating value of ecosystem services
   flooding depth-damage functions
   financing

**Business:** continuity planning & supply chain disruptions
   insurance
   natural resource business (oysters, food, timber, etc.)
Research Topics Discussed (cont’d)

Strategic Interactions & Tradeoffs:
   focus on specific risk
   recognize & map physical & social heterogeneity
   identify actions (e.g., hard vs. living shoreline) &
       explore tradeoffs associated with those actions
   role play?

Rapid response team(s) for individual disasters:
   help communities gather data & information
   rapid development of policy responses

Synthesis of existing data & information

Human migration & decommissioning a community
#nhcaw
Identified Community Information & Data Needs

Climate projections
Impacts to:
   Economy
   Built Landscape
   Natural Resources and Ecological Services
   Recreational Resources
   Cultural and Historic Resources
Social Science
Outreach and Education
Collaboration
Assistance with:
   Municipal Management and Policy
   Municipal Planning and Regulation
   Implementation and Implementation Projects
Additional Funding