

GLISA

GREAT LAKES INTEGRATED SCIENCES + ASSESSMENTS

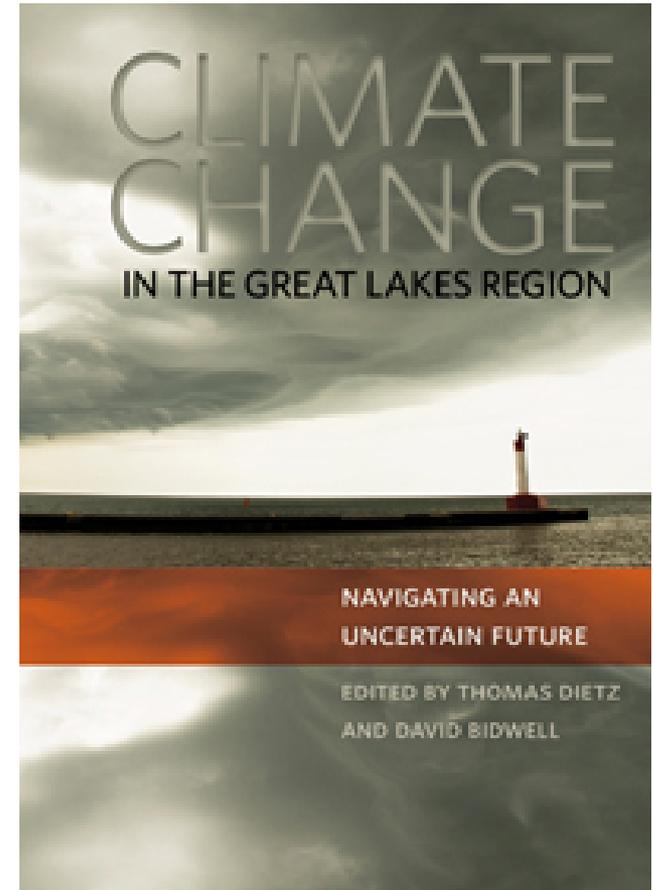


The Great Lakes RISAs



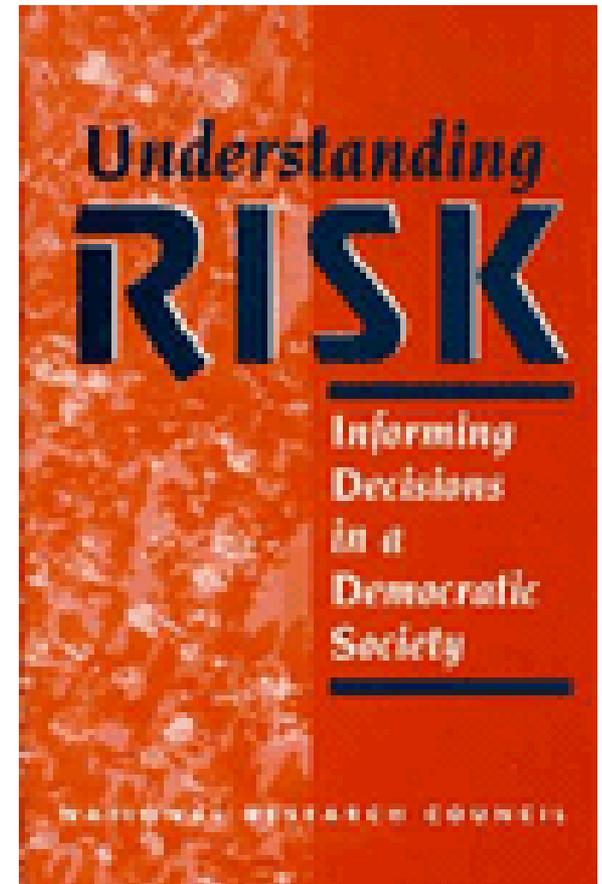
The Challenge

- Informed decisions under conditions of uncertainty
- Sources of Uncertainty
 - Scenarios
 - Models
 - System Responses
 - Physical
 - Biological
 - Social
- Refined scale = greater uncertainty



Lessons

- Adaptive Risk Management
- Sustained interaction between producers and users of information
 - Useable information
 - Analytic deliberative process
 - Bridging organizations
 - SOP in RISA community



Information Flow

- Scientist -> User
- Scientist <-> User
- GCM -> Downscale -> Impacts <-> Boundary Organization <-> User -> User
- Knowledge Networks

Social Learning

- “Social learning is the process by which agents adopt cognitions and behaviors from their social environment” (Henry 2009:135)
- What does social learning look like? Networks.
- Pros and cons to social learning
 - Facts and norms
 - Flexible and dynamic
 - Homophily and biased assimilation

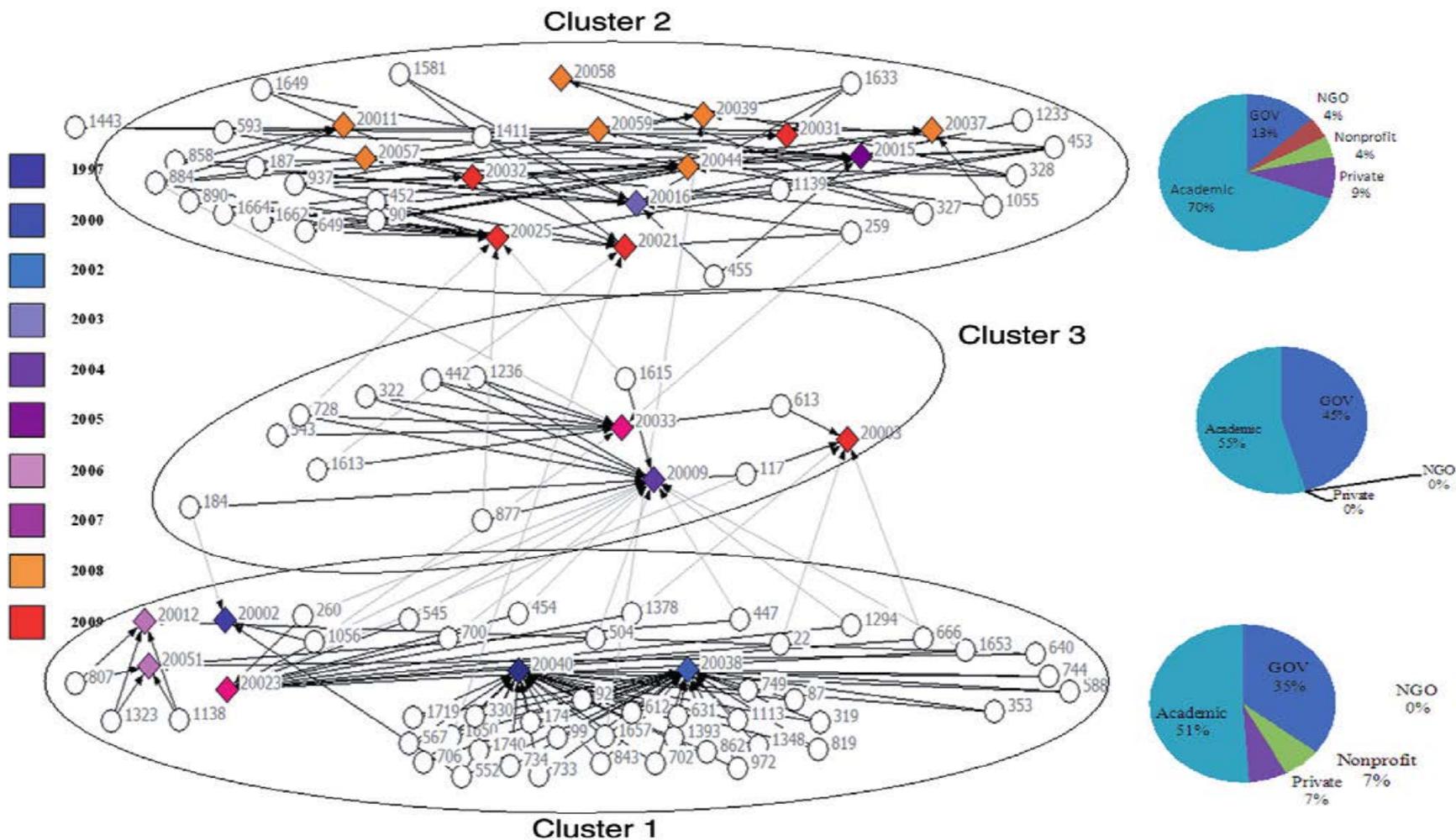
GLISA Approach

- Understand networks
 - Science/Policy
 - Adaptation Practice
- Foster bridging

Science/Policy

- Assessment of Assessments
- Map participant network
 - 22 key documents
 - 79 actors involved in more than one
- Research policy activities of actors

Science/Policy



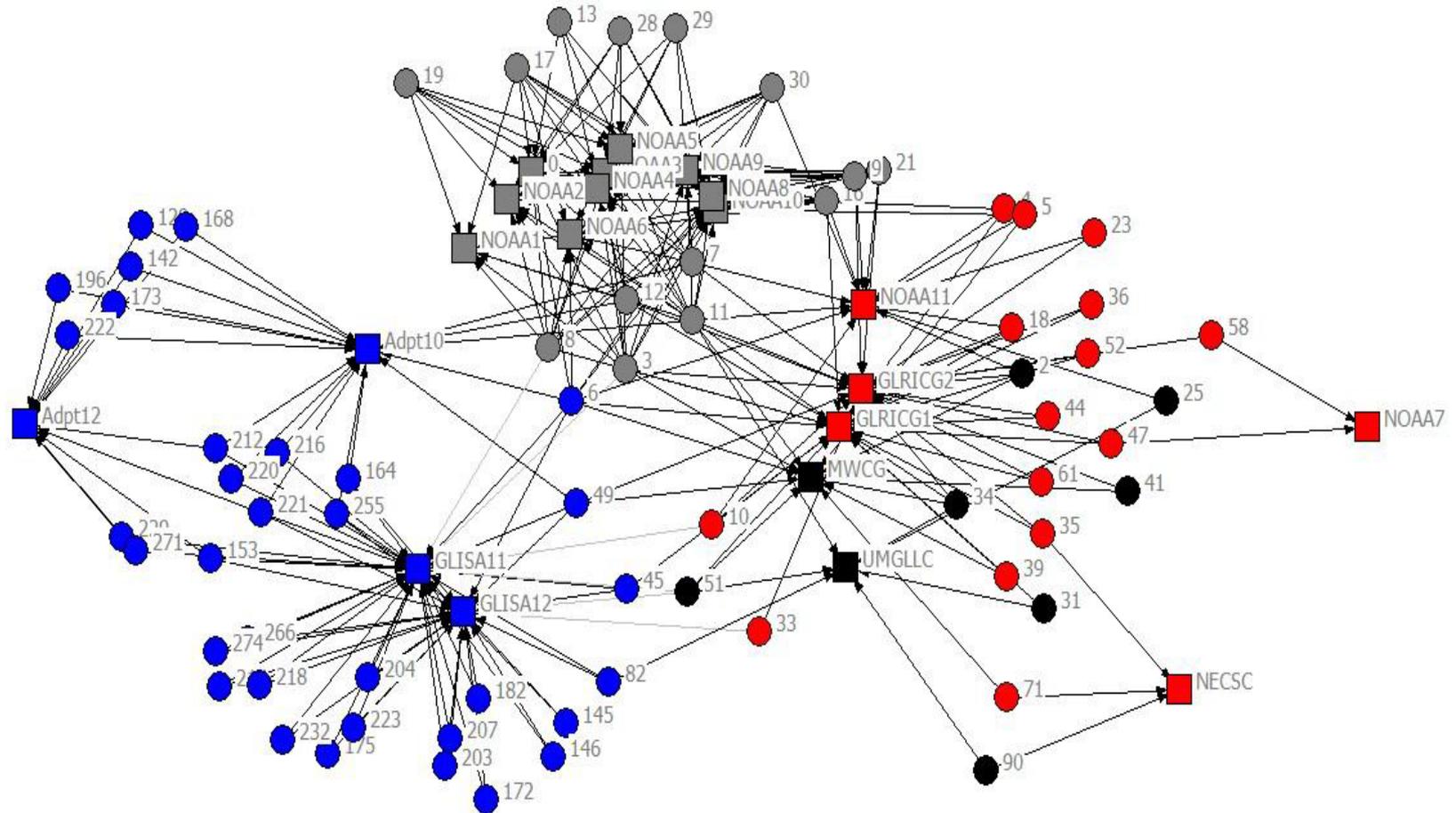
Science/Policy

- No one worked with all three clusters (no direct links between 1 and 2)
- Importance of “bridgers” between clusters
 - Leverage information flow
 - 3 times more likely to engage in advocacy
 - 1.5 times more likely to be policy advisors
- Frank et al. 2012. "Network Location and Policy-Oriented Behavior: An Analysis of Two-Mode Networks of Coauthored Documents Concerning Climate Change in the Great Lakes Region." *Policy Studies Journal* 40:492-515.

Adaptation Practice

- New focus on who is engaged in adaptation in the region
- Attendance of events, workshops, meetings
- Survey to understand flow of knowledge (lake levels)

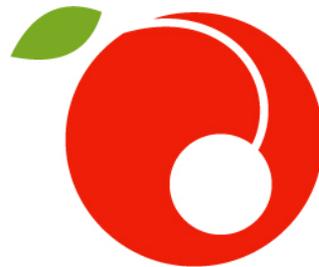
Adaptation Practice



Fostering Networks

- GLISA engaged in many networks/projects
- 2012 Funding competition
 - Directed at “boundary” organizations
 - Funded six projects
 - Provide technical assistance
 - Ongoing evaluation of process

Fostering Networks



Cherries
Not just another berry.



Ontario Regional Climate Change Consortium



Literature cited

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