Public Administration & Policy

Landscape & Examples: Policy Process, Implementation & Outcomes

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Public admin & policy studies landscape—Implementation

Example: Governance network analysis—Watershed:Fisheries

March 10, 2011 STAC Social Science Workshop
Annapolis, MD

Landscape:

Public Administration & Policy

Broad Field of Governance (define)

- **Health, housing, welfare, homeland security, transportation, urban development, corporations…..**

- **Total Quality Management (TQM)**
- **Performance Measures**
- **Reinventing Government**

Specialization—Environmental Mgt & Policy

- **Pollution control; natural resources; water; coastal and marine resources….**

- **Adaptive Management**
- **Ecosystem-Based Management**
- **Collaborative or Integrated Management**

Landscape:

Public Administration & Policy

Group & Community: Institutions

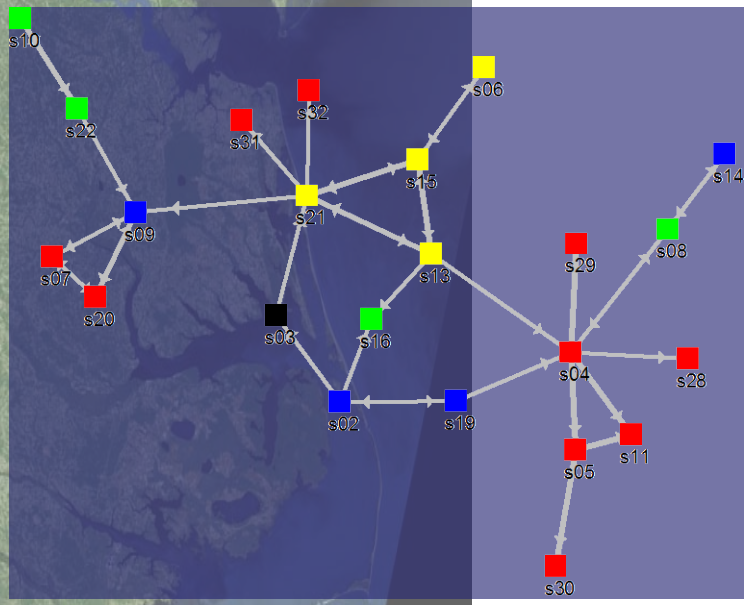
- **Organizations**
  - **Authority; resources; capacity/expertise**
- **Groups**
  - **Professional norms; organizational cultures**
- **Political Will, Power**
  - **Public opinion/support; stakeholders; refocusing events**
- **Inter-connectedness**
  - **Coordinating mechanisms; networks**

* Individuals

- **Leadership & Champions**
- **Street-level Bureaucrats**
- **Policy Entrepreneurs**

Example: Public Administration & Policy

Governance Network Study



Nodes & Links – graph theory, InFlow

- **Social Network Analysis**
- **Communication Network Analysis**

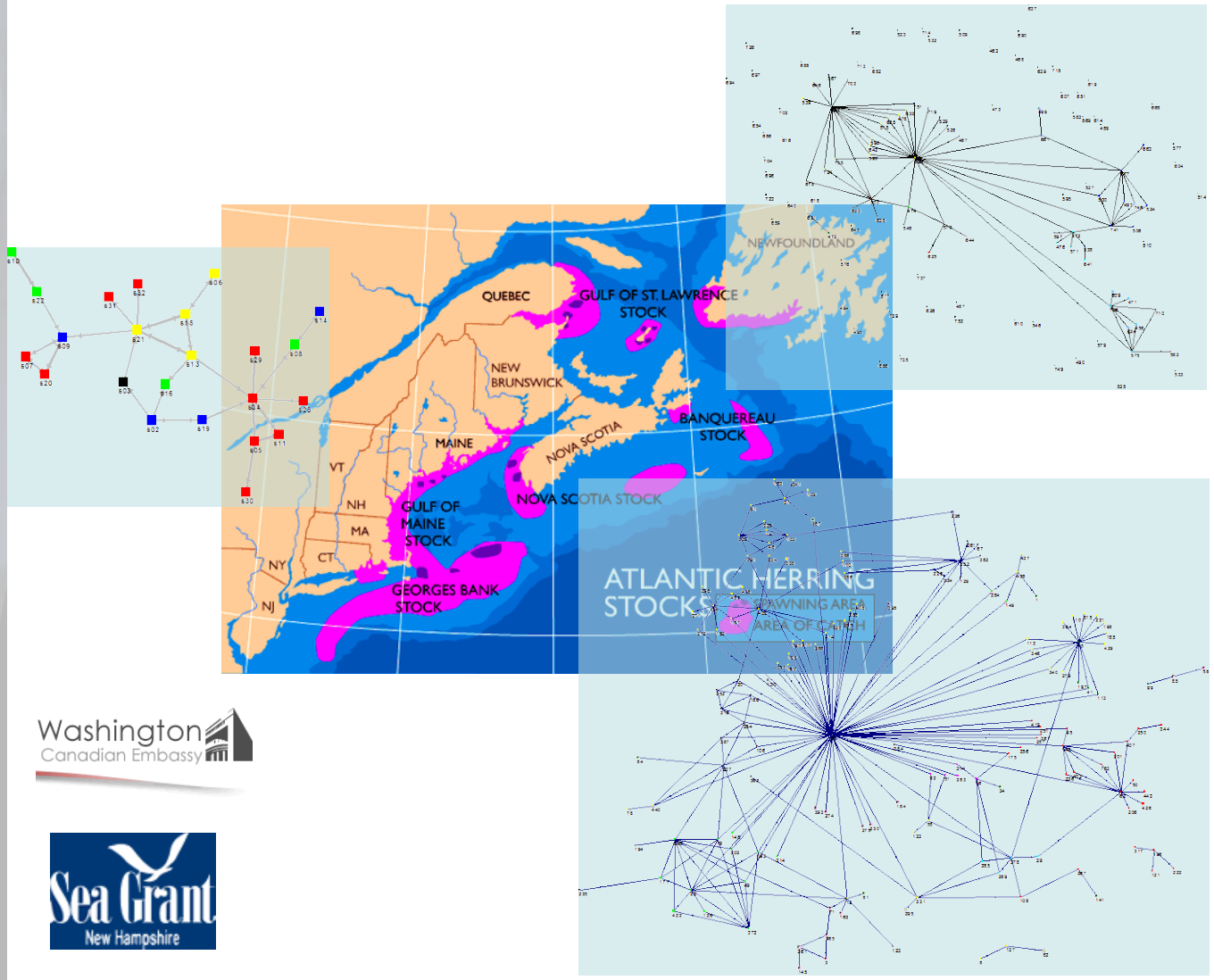
Quantitative measures of map's structure & function (connectivity)

- **Density – group cohesion, trust, consistent behavior v. new ideas, innovation, integration**
- **Path Length – disparate sub-groups, far apart**
- **Centrality measures – bridgers, information disseminators, pulse**

Example: Public Administration & Policy

Governance Network Study

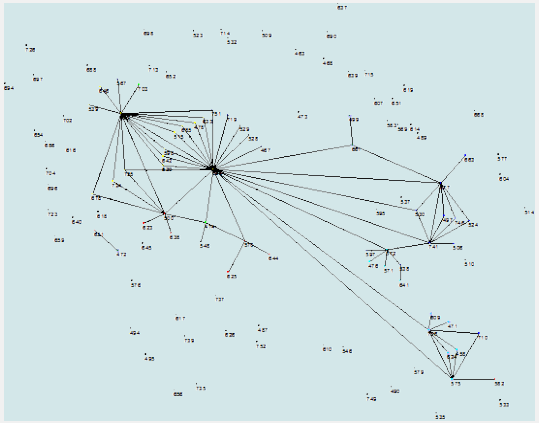
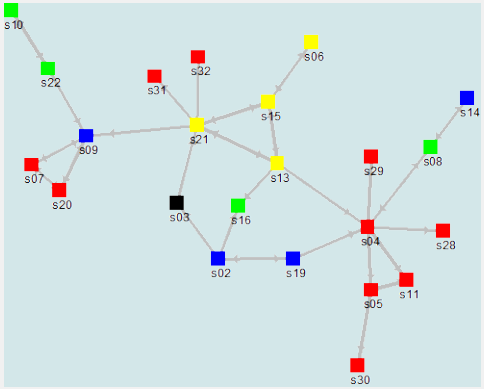
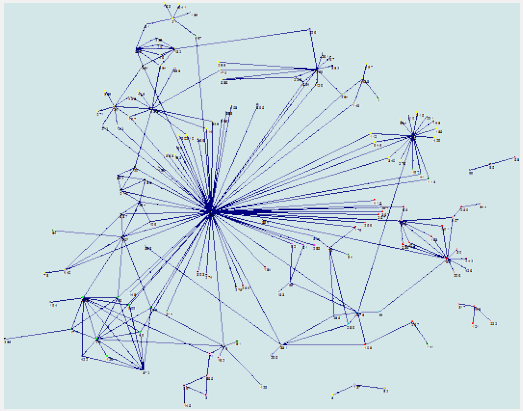
How are Watershed Planning & Management Linked to Fisheries Management?



Washington Canadian Embassy

Sea Grant New Hampshire

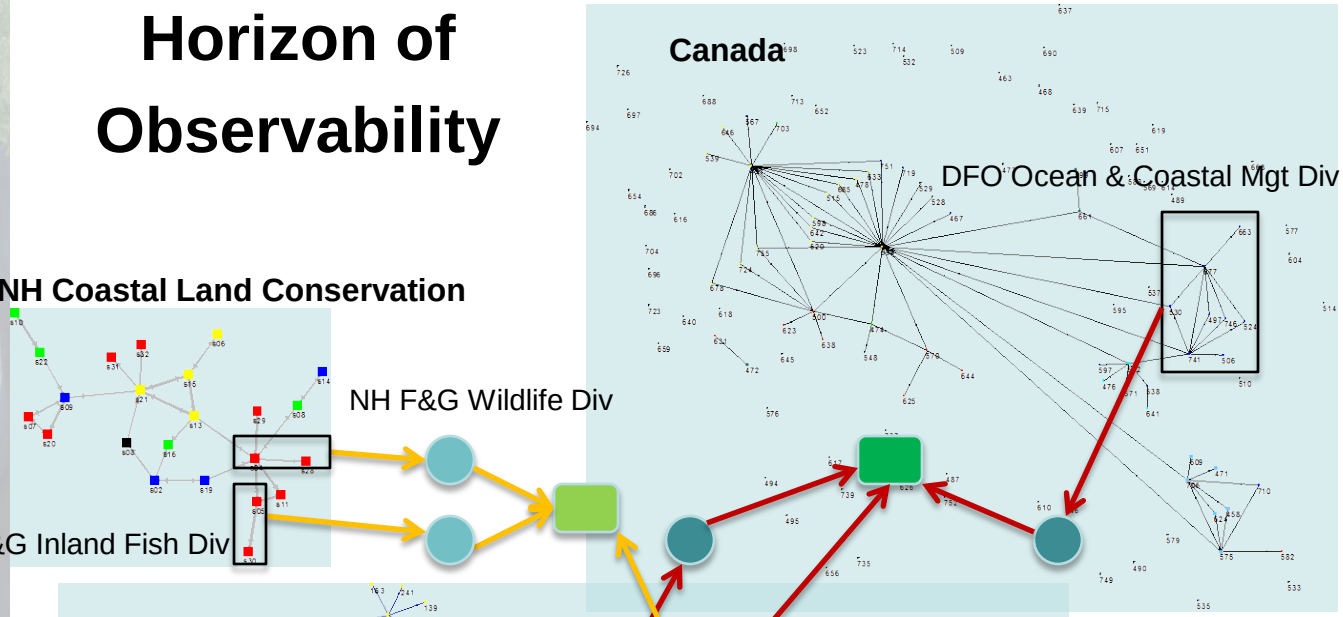
Are Watershed Planning & Management Linked to Fisheries Management?

Canada	NH Coastal Lands	Atlantic Herring
		
Size: 53 Density: 3% Wght Avg Path Length: 2.5 Betweeness: 6x (0.75)	Size: 23 Density: 8% Wght Avg Path Length: 2.5 Betweeness: 1/3x (0.2)	Size: 146 Density: 1% Wghtd Avg Path Length: 2.5 Betweeness: 3x (0.2)

Example: Public Administration & Policy

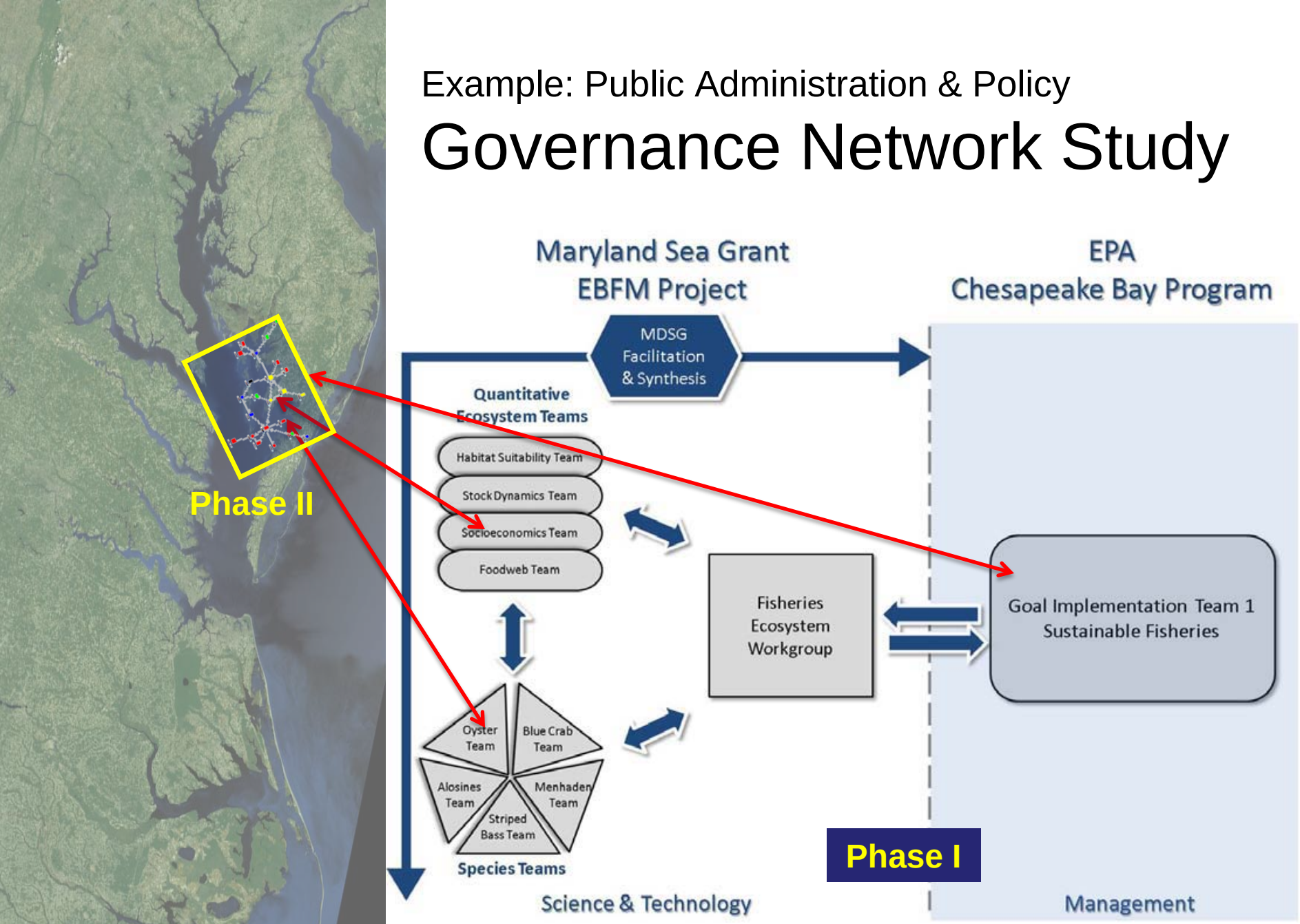
Governance Network Study

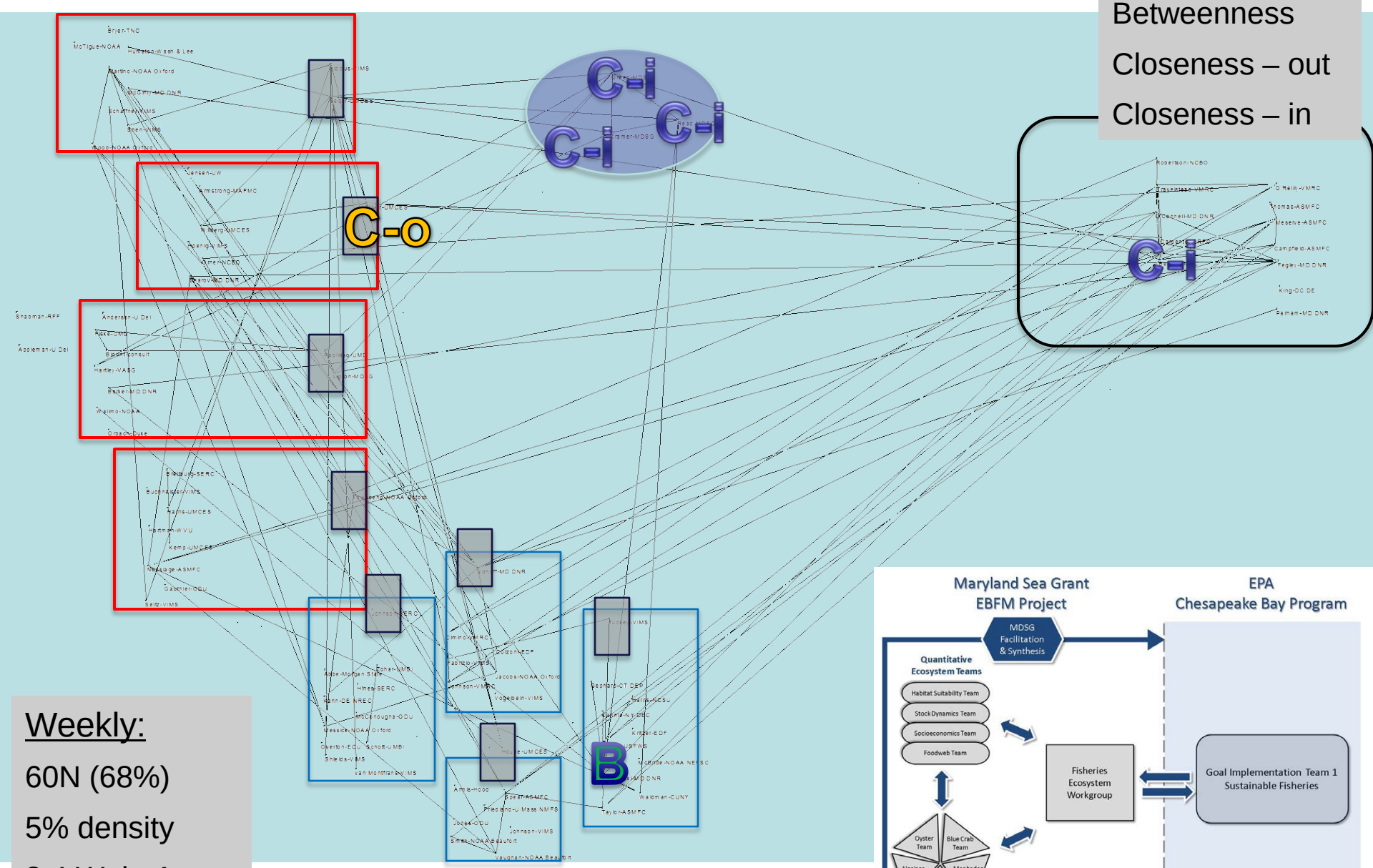
Horizon of Observability



Example: Public Administration & Policy

Governance Network Study





Centrality:

Betweenness

Closeness – out

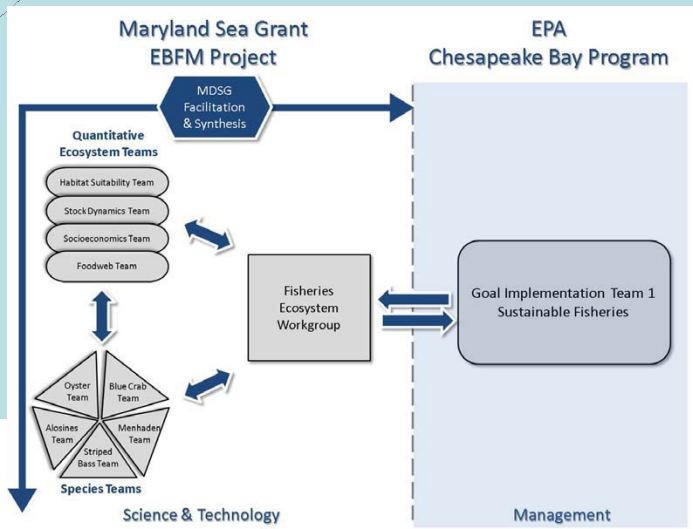
Closeness – in

Weekly:

60N (68%)

5% density

3.4 Wght Avg Pathlength



Landscape & Example:

Public Administration & Policy

Q: How do the governance systems work?

Network perspective—next steps/opportunities

- **Monitor and adapt**
- **Plan for change**
- **Strategic outreach, action, orchestration**

Thank You

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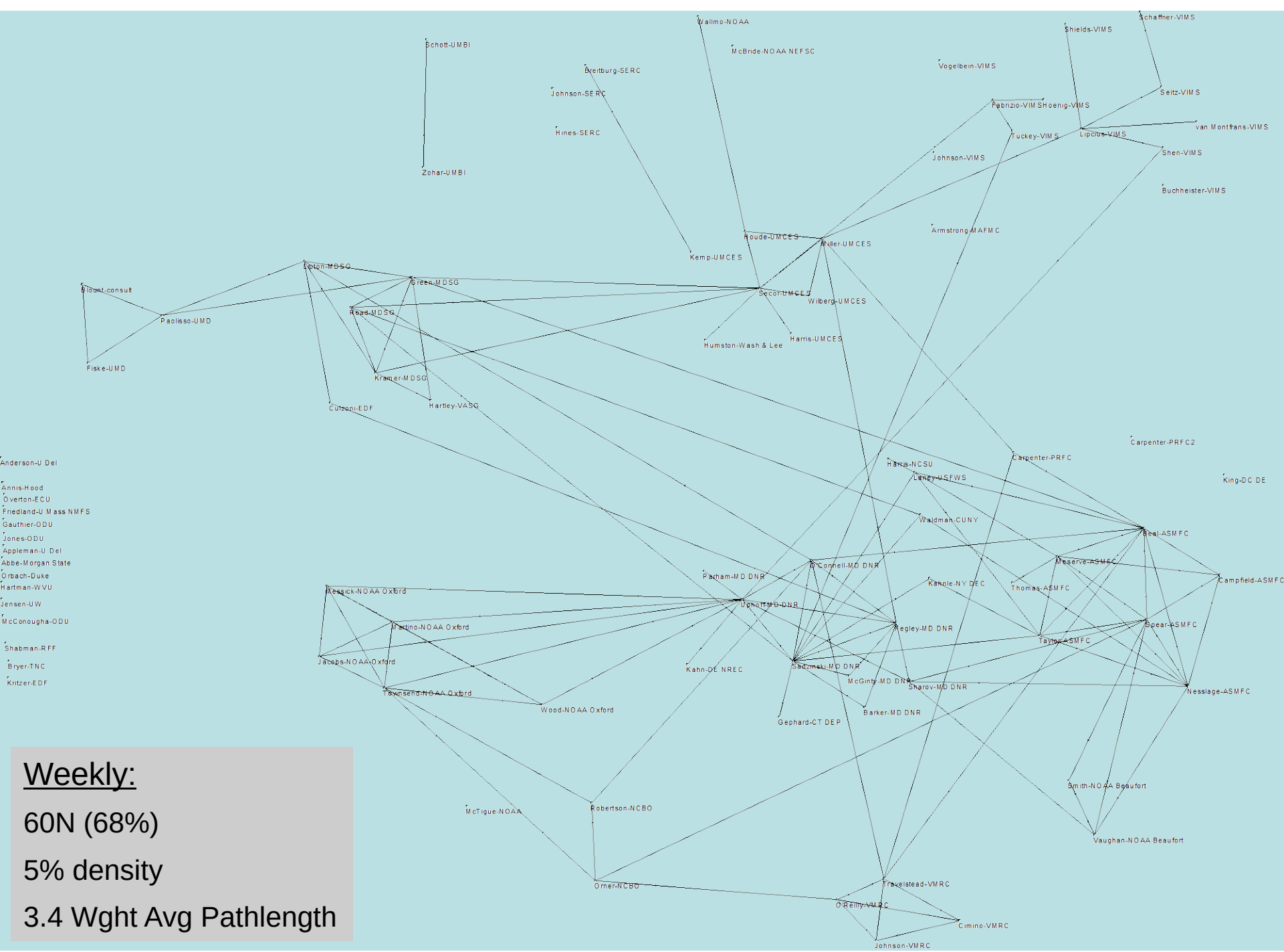
William & Mary VIMS Virginia Institute of Marine Science School of Marine Science

Sea Grant Virginia

The Thomas Jefferson Program in Public Policy at the College of William & Mary

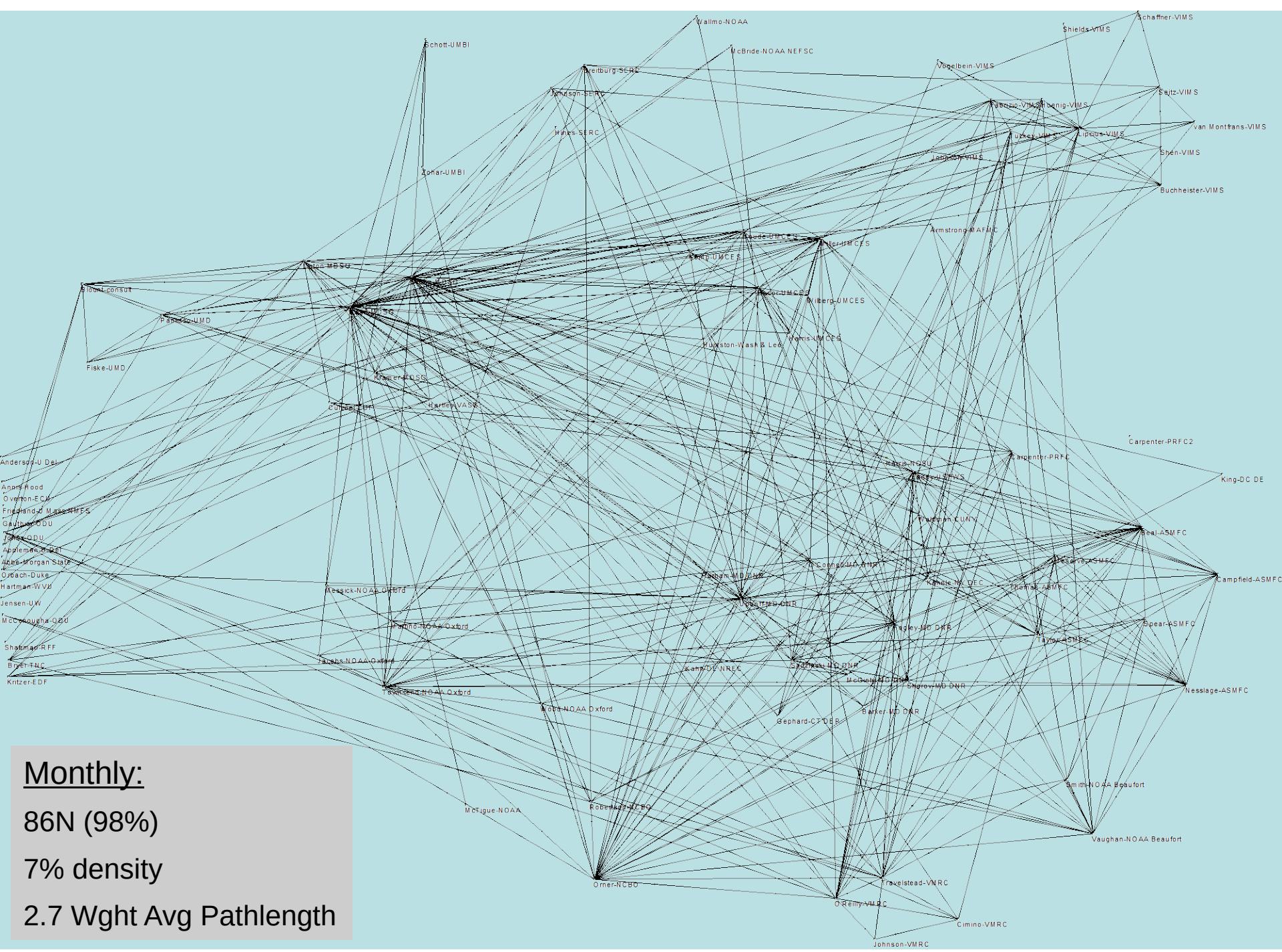


Weekly:

60N (68%)

5% density

3.4 Wght Avg Pathlength



Monthly:

86N (98%)

7% density

2.7 Wght Avg Pathlength

Example: Public Administration & Policy

Governance Network Study

Findings—Network Structure

Weekly:	Monthly:
60N (68%)	86N (98%)
5% density	7% density
3.4 Wght Avg Pathlength	2.7 Wght Avg Pathlength

- **High densities and short pathlengths**

Findings—Network Function

- **Several with high closeness values—"the pulse" and "disseminators"**
- **Opportunities for others bridgers**

62%: collaborating about the same level as before EBFM