



*Fostering Community Resilience Through
Multi-Hazard Planning:*

**Oregon's
Coastal Community Resilience
Network Pilot Project**

Supported by

NOAA's Coastal Community Resilience Program

Oregon Partnership for Disaster Resilience
Oregon Sea Grant
Oregon Coastal Management Program

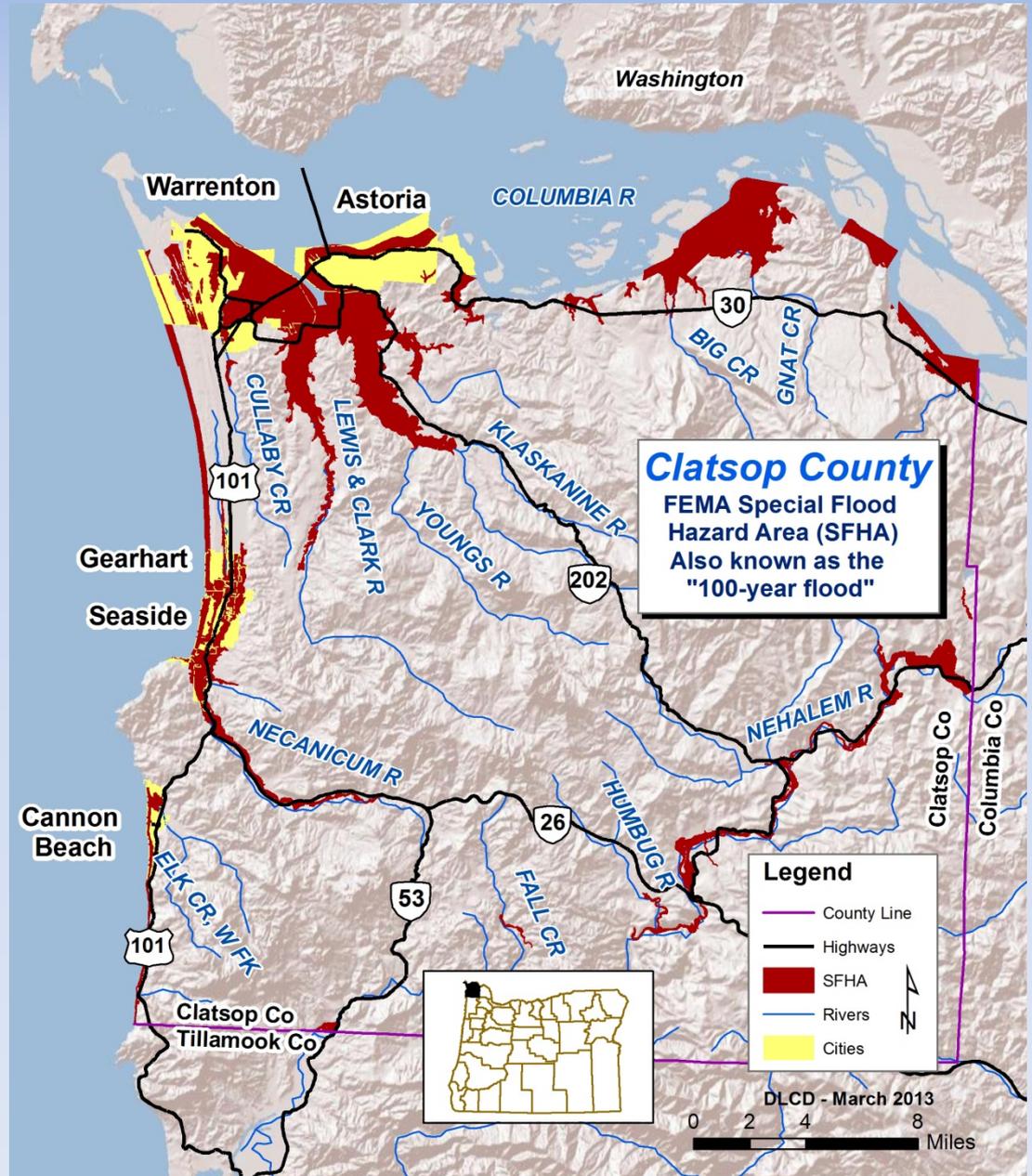


Vision

- ➔ Engage and empower community members
- ➔ Improve community-level preparedness and planning for natural hazards
- ➔ Improve community resilience
- ➔ Establish a *resilience network*

Community Partners

- ❖ Clatsop County
- ❖ City of Cannon Beach
- ❖ City of Seaside
- ❖ City of Gearhart





Our Starting Point: Initial Conditions

- **Four local partners:** Clatsop County and three small cities
 - Comprehensive land use plans
 - Natural hazard mitigation plans
- **Little overlap** between hazard plans and land use plans
- **Increased risks** from climate-related hazards
- **Other hazards trump climate:** Earthquake and tsunami
- Several agencies have a role in planning for land use, natural hazards, and climate change
- Oregon has a state-level *Climate Change Adaptation Framework* (2010)
 - But there is very little active local planning for climate change *per se*
- **Oregon's coastal communities are increasingly resource limited**



Our End Point: Pilot Project Objectives

- Align and integrate:
 - **Planning** for land use, climate change, and natural hazards
- Develop:
 - **A template** for, and **examples** of, local resilience plans that address climate risks
 - Coastal community resilience **networks**



Challenges



Capacity, Capacity, Capacity

- Limited funds and local capacity
- Fewer resources available for long-term planning (Planning funded by permits)
- Different kinds of capacity: Money, Authorities, Information, Expertise



Other Challenges

- Translating **climate information** into management policies and **criteria for decisions**
- Private property rights



Networks

- An effective and responsive network transfers meaningful and actionable information in both directions

Networks

Related searches: [social networks](#) [computer networks](#) [people networks](#) [lan networks](#) [network diagram](#)

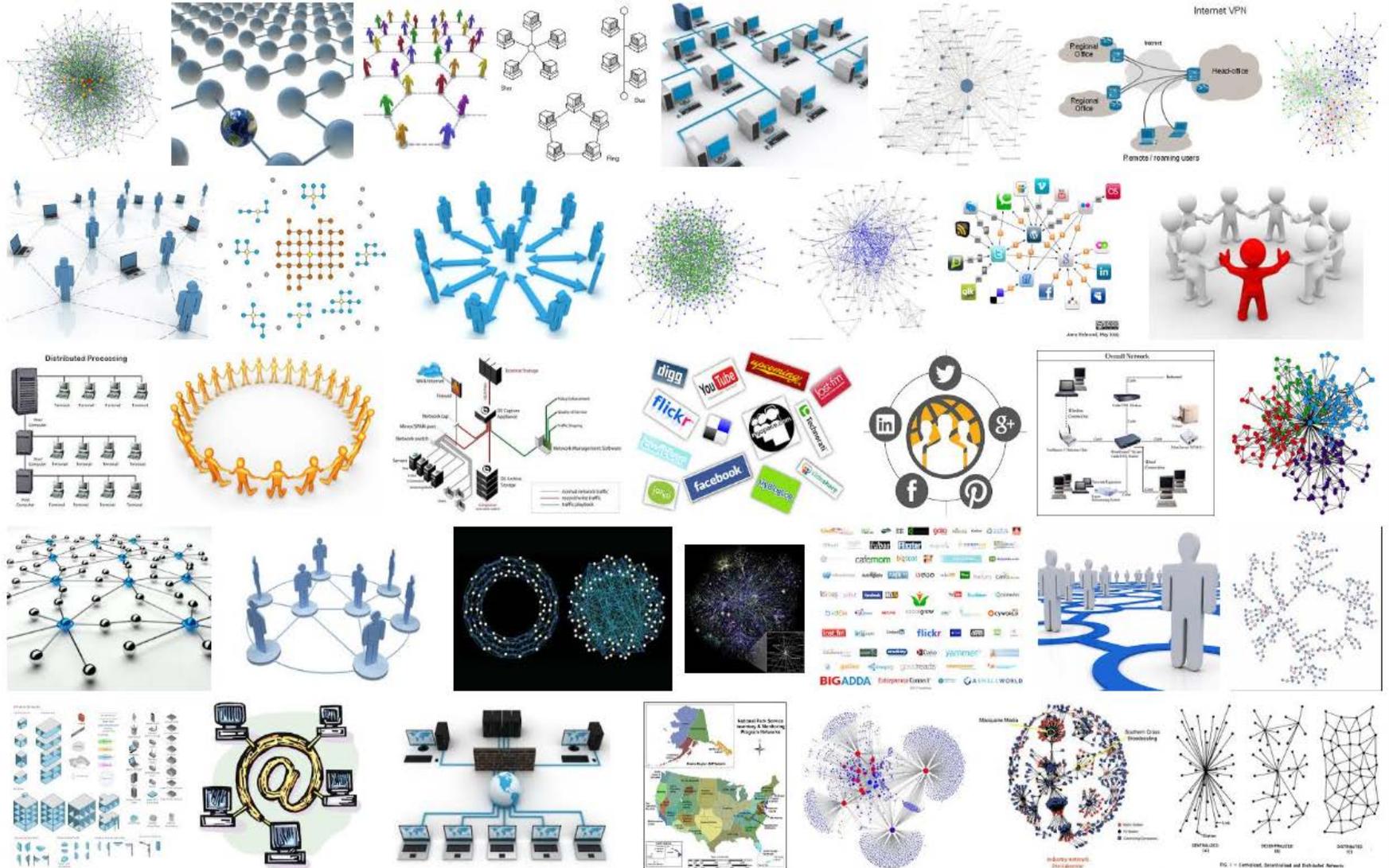
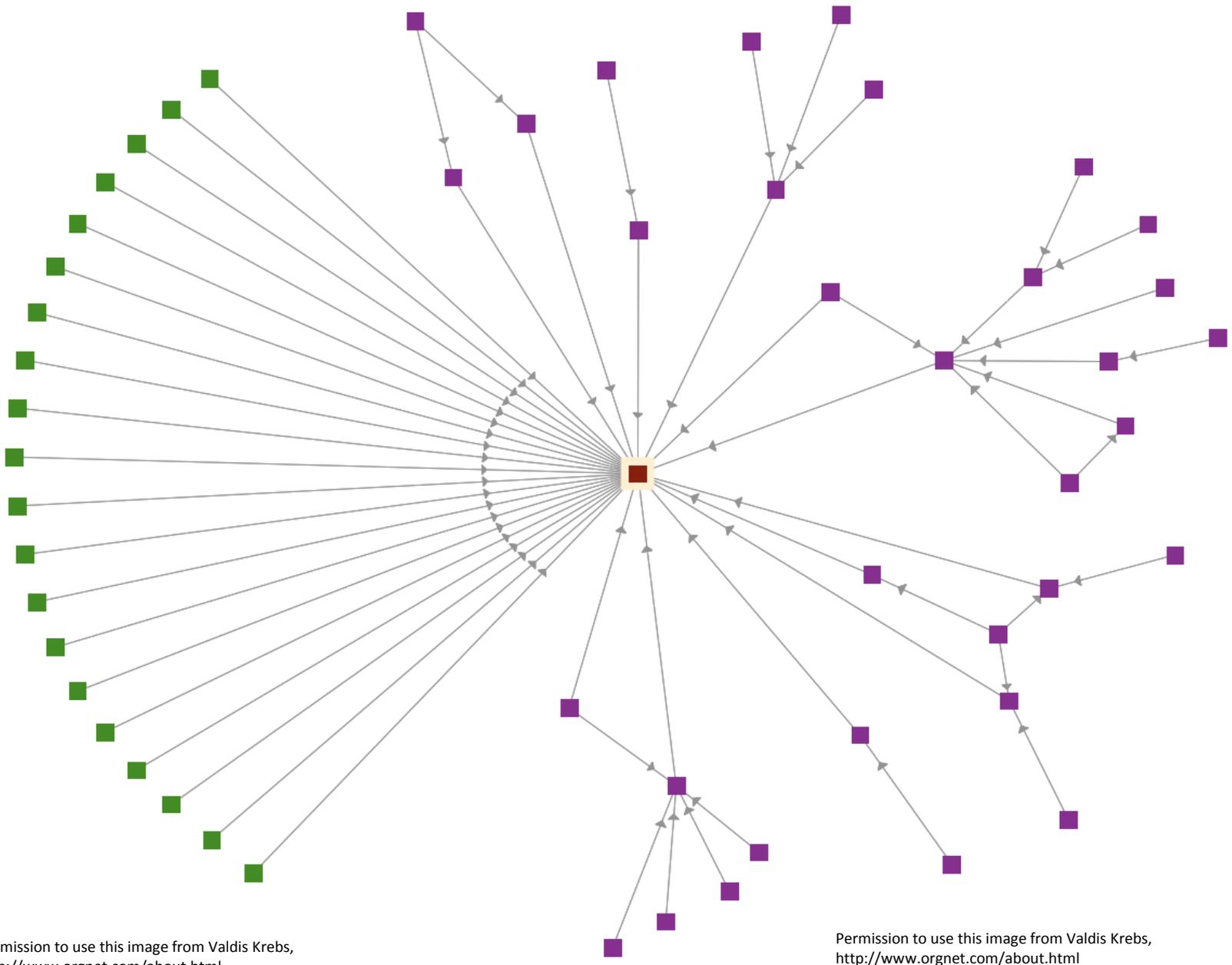
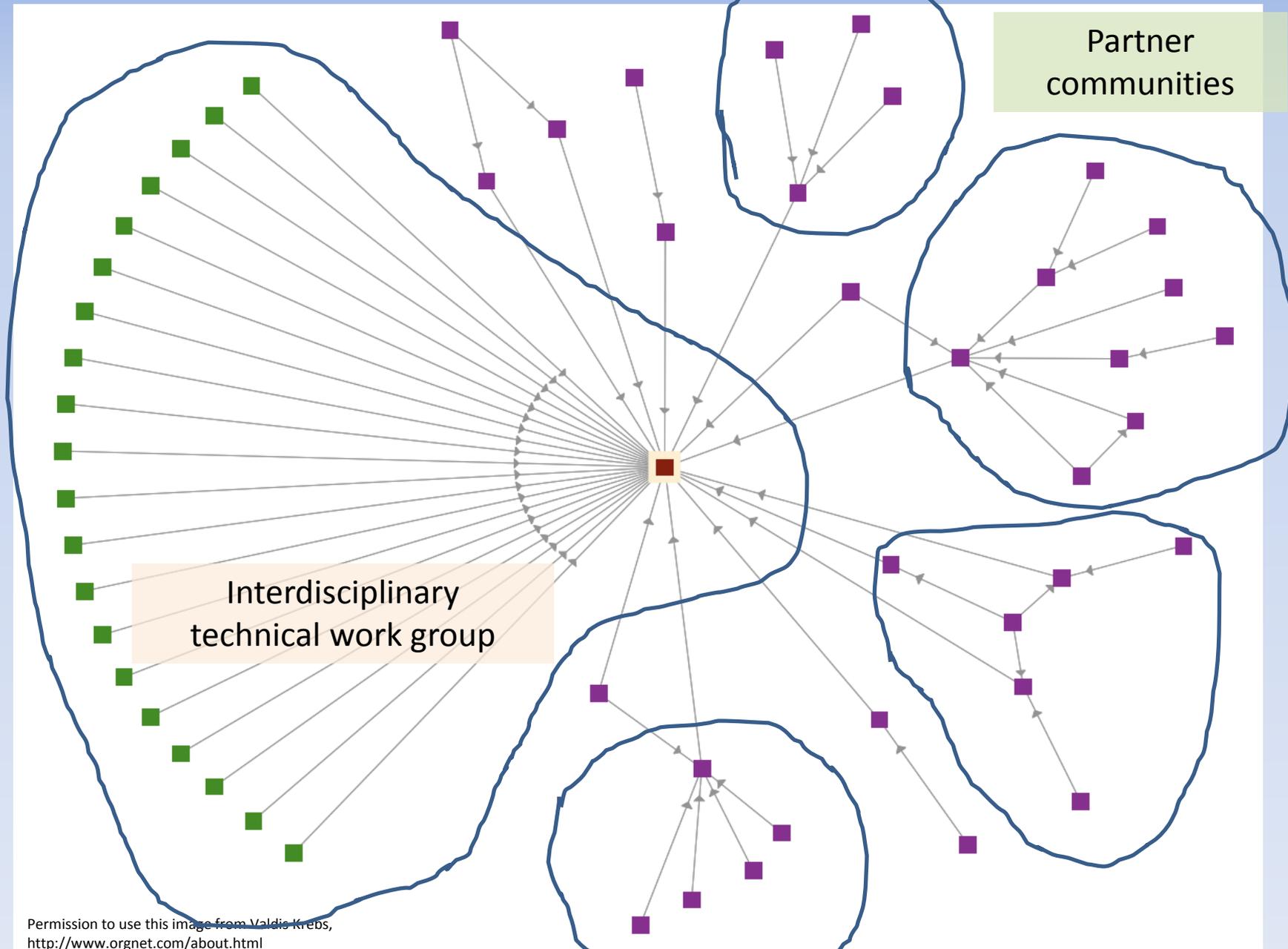


FIG. 1 - Centralized, Decentralized and Excluded Networks

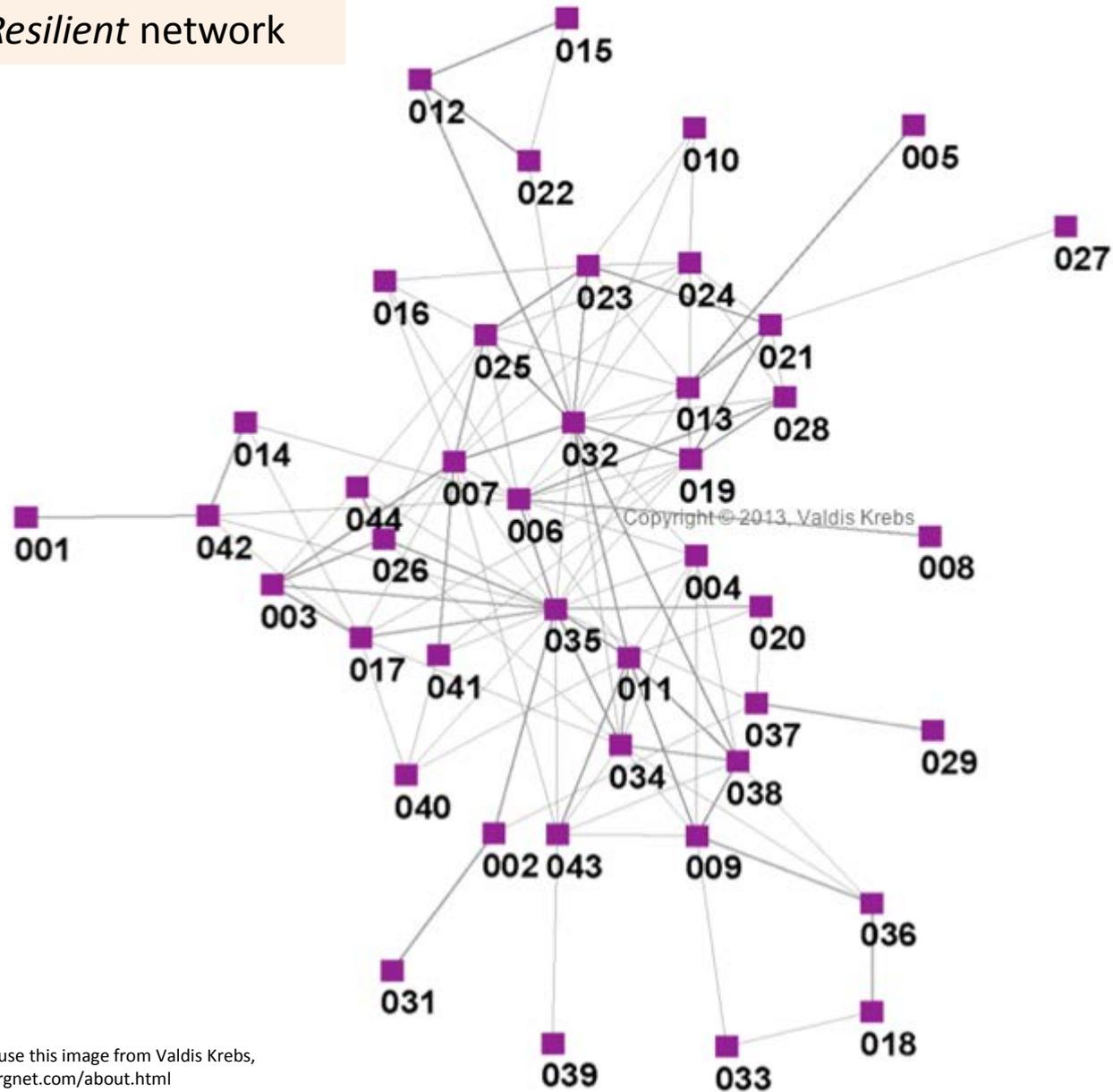


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Resilient network





Networks (revised)

- ~~• An effective and responsive network transfers meaningful and actionable information in both directions~~
- **A *resilient* network transfers actionable information from several sources to several decision points**



Participants

- Oregon Department of Geology and Mineral Industries
- Oregon Seismic Safety Policy Advisory Commission
- Oregon Department of Land Conservation and Development
- Oregon Office of Emergency Management
- Oregon Department of Transportation
- Oregon Climate Change Research Institute
- Oregon Health Authority
- TNC The Nature Conservancy
- U.S. Geological Survey
- Clatsop Community College
- Federal Emergency Management Agency
- NOAA National Ocean Service, Coastal Services Center

Project PIs

- ❖ **Josh Bruce**, Oregon Partnership for Disaster Resilience
- ❖ **Patrick Corcoran**, Oregon Sea Grant
- ❖ **Jeff Weber**, Oregon Coastal Management Program

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Coastal Community Resilience Program**