

SOCIAL NETWORK ANALYSIS (SNA) IN MARINE MANAGEMENT AND THE MSFD

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OUTLINE



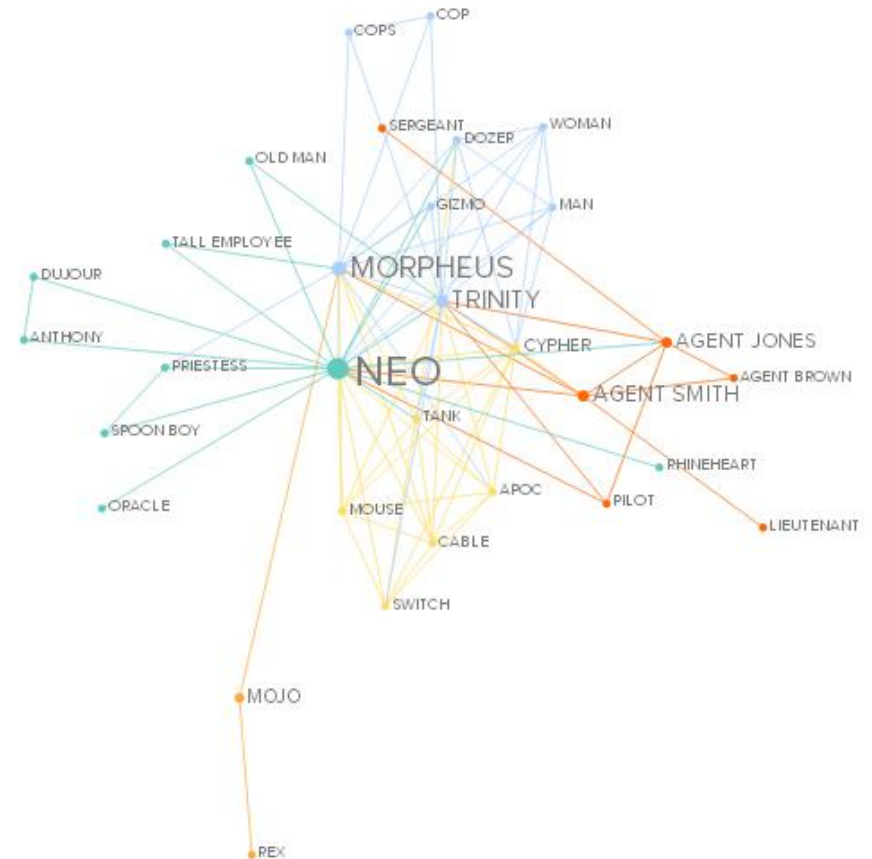
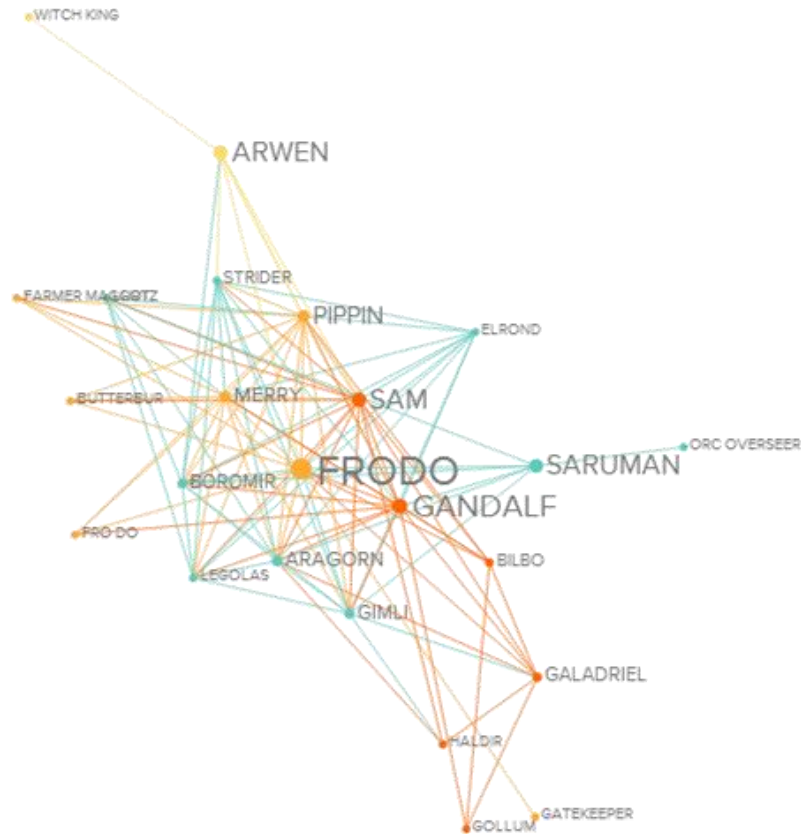
1. WHAT ARE NETWORKS?

2. STAKEHOLDER NETWORK ANALYSIS

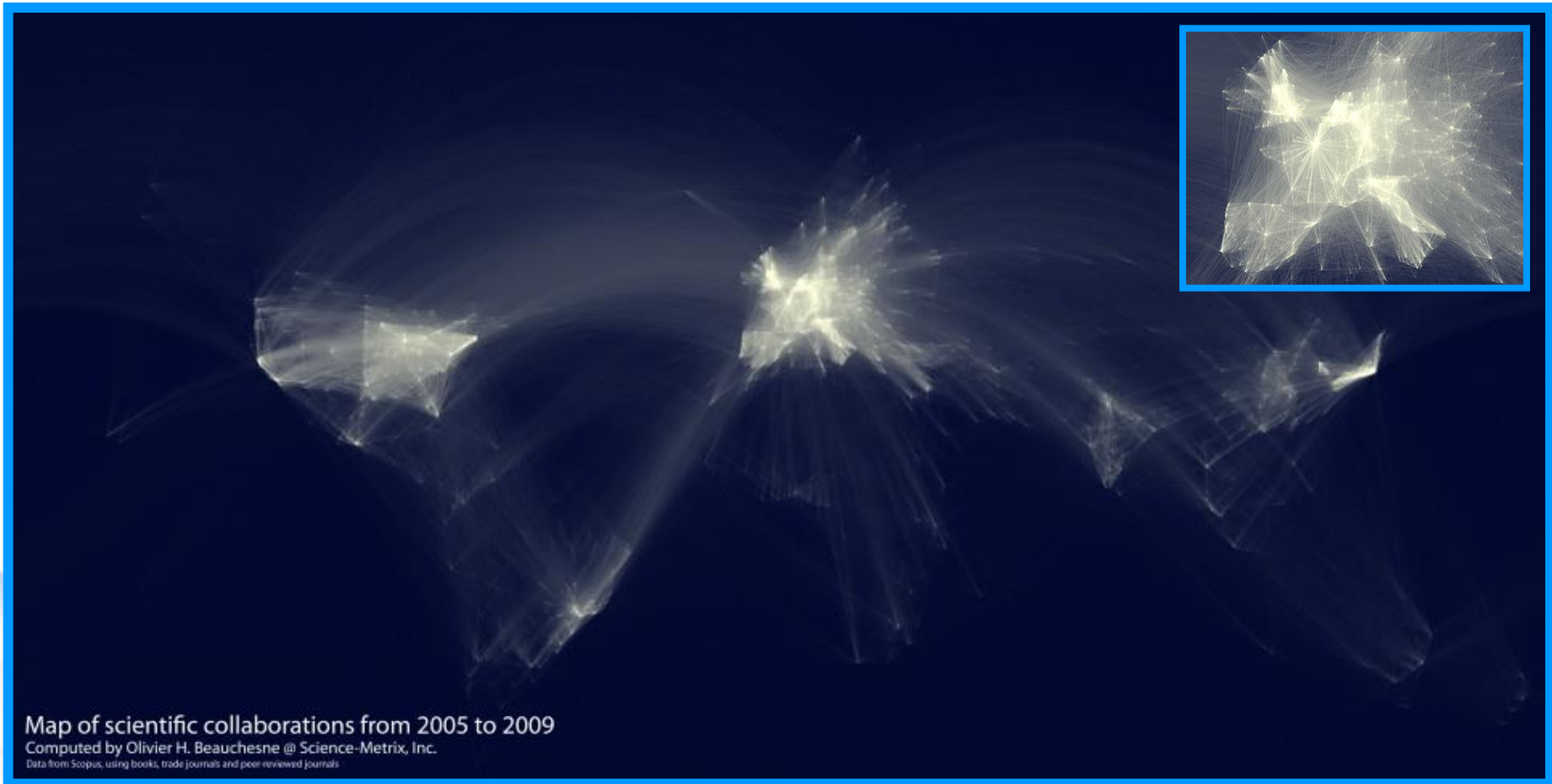
3. FURTHER WORKS

WHAT ARE NETWORKS?

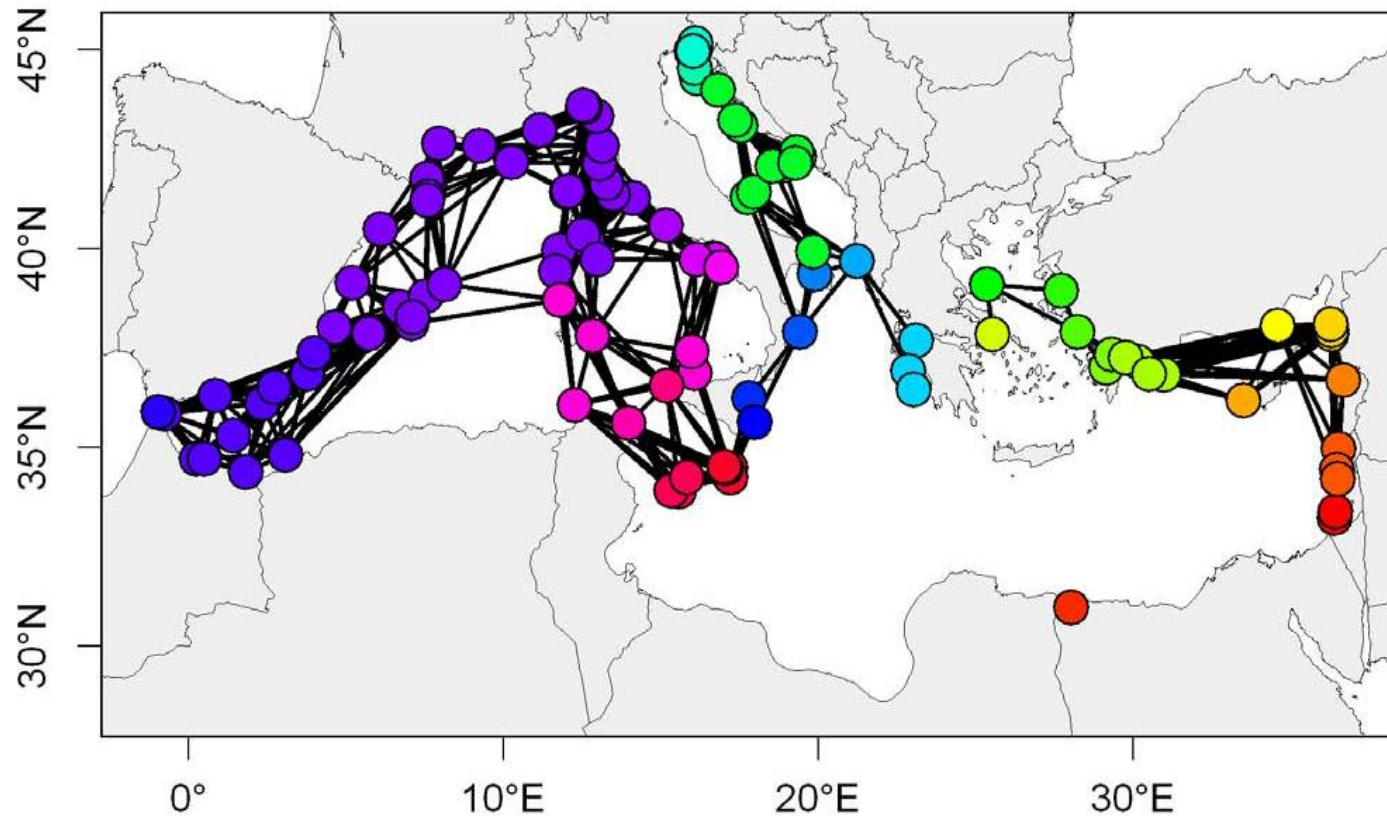
FILM CHARACTER NETWORKS



SCIENTIFIC NETWORKS

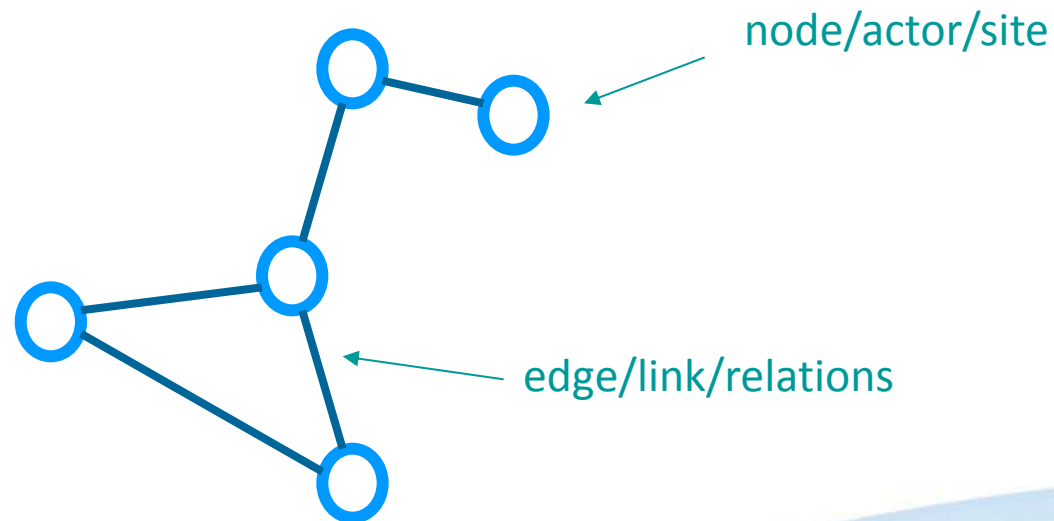


MPA NETWORKS



WHAT ARE NETWORKS?

Networks are sets of nodes connected by edges



STAKEHOLDER NETWORK ANALYSIS

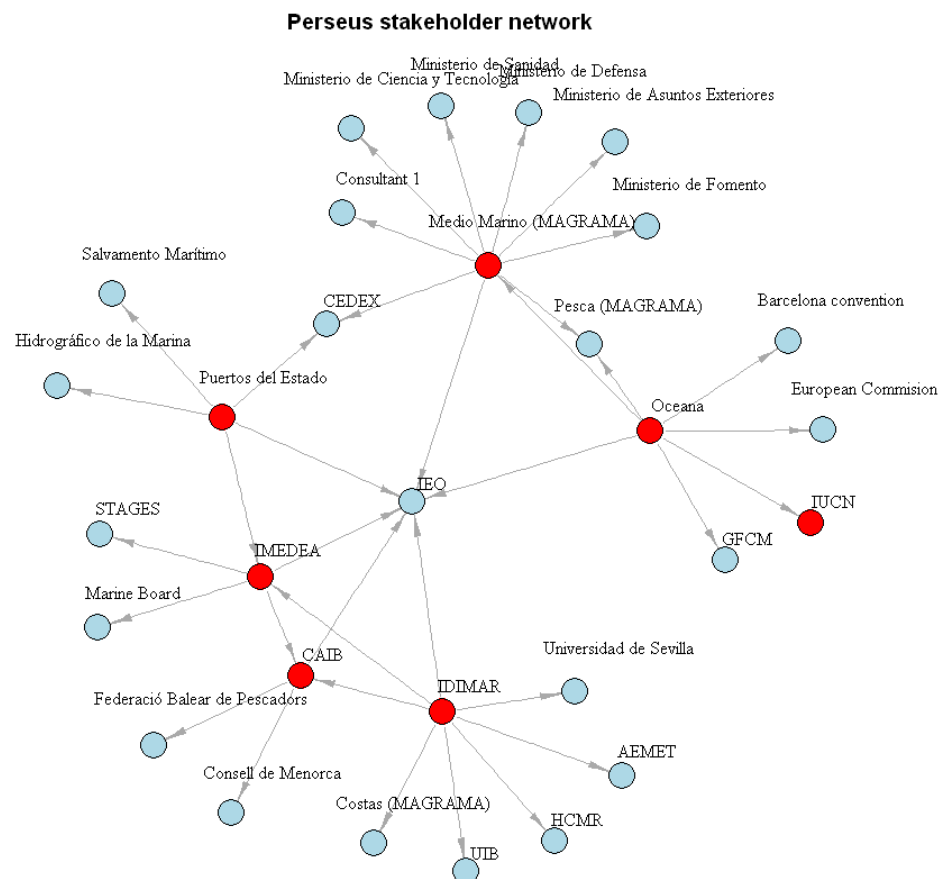
THE GOALS



- Assess the role of stakeholders in the implementation of the MSFD in the Mediterranean & Black Sea
- Characterize network structure of stakeholders involved in MSFD
- Build gateways among stakeholders

PILOT EXPERIMENT

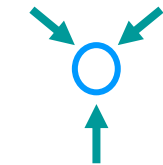
- Spanish stakeholder platform
- Face-to-face interviews (n = 7)
- Asked for collaboration with other stakeholder or organizations.



PILOT EXPERIMENT

CENTRALITY MEASURES

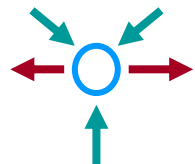
Stakeholders with a high degree centrality can be seen as important players for mobilising the network and bringing other stakeholders together (Prell et al. 2008)



indegree = 3

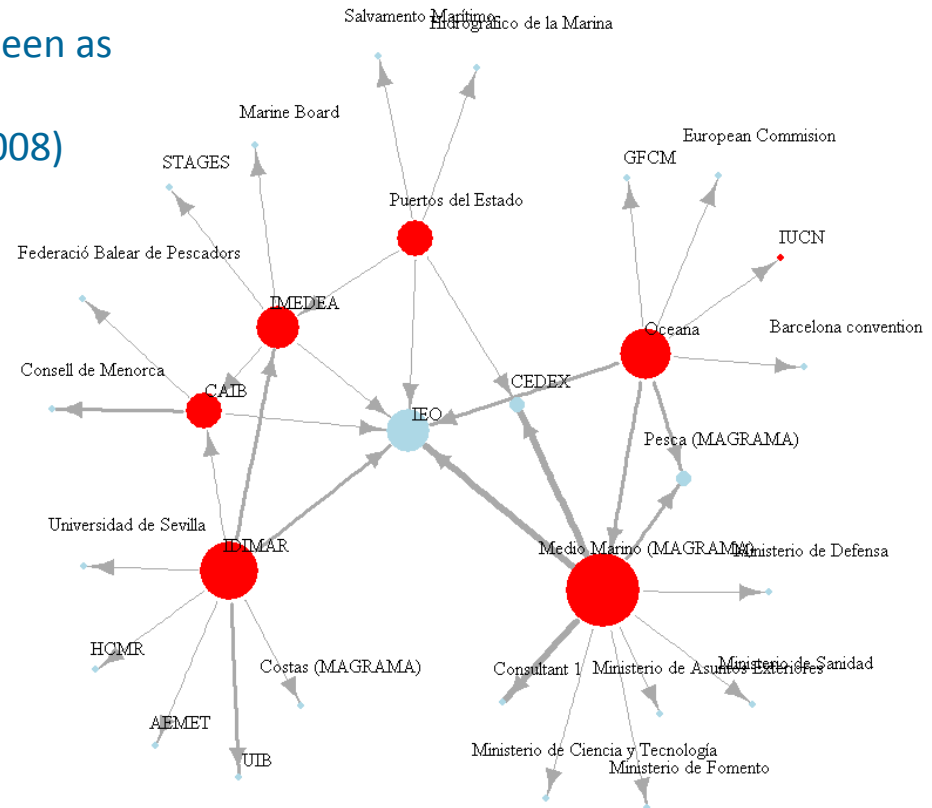


outdegree = 2



degree = 5

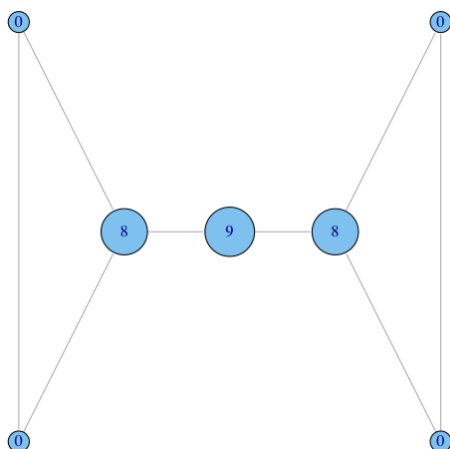
Perseus stakeholder network (degree)



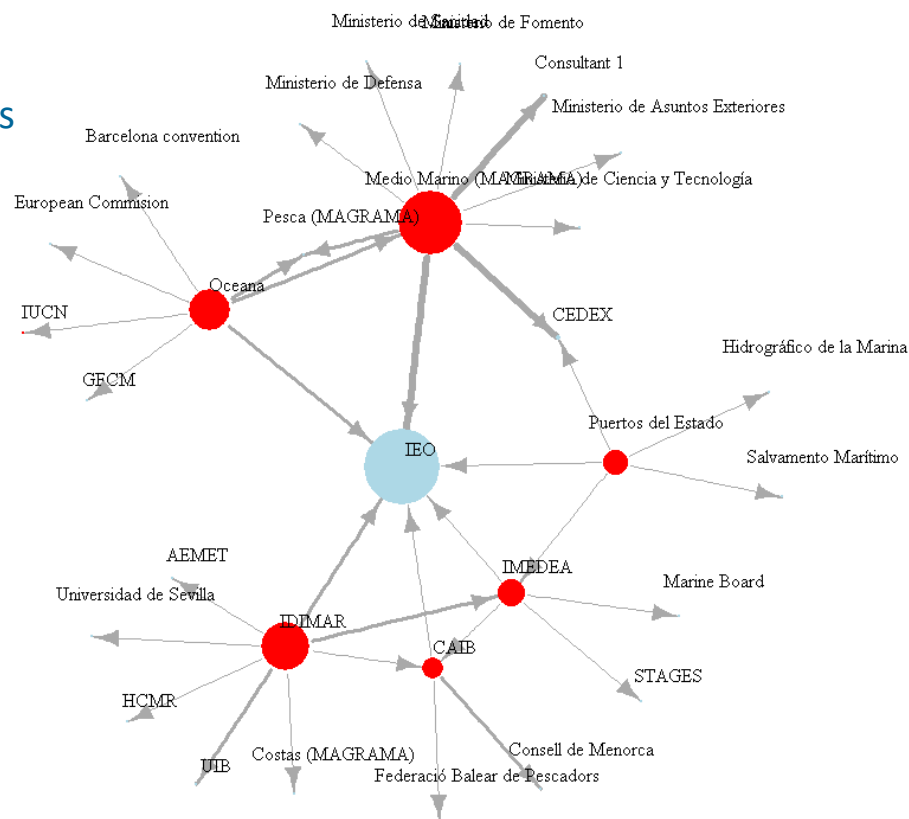
PILOT EXPERIMENT

CONNECTIVITY

High betweenness centrality is important for long-term resource management planning as such actors perform a broker role of bringing together disconnected segments of the network



Perseus stakeholder network (betweenness)



FURTHER WORKS

ONLINE QUESTIONNAIRE

- Online tool to assess for co-work and communication among stakeholders
- Focus on MSFD implementation
- Network analysis for comparison between regions and countries
- Directory of stakeholders with classification based on MSFD (steps, descriptors)



PERSEUS NETWORK

- Assess for co-work and communication among researchers across WPs
- Classify each researcher according to: WP, Topic, Regions
- Directory of researchers to deliver stakeholders



THANK YOU

