What tools we can use to work together with stakeholders?

We are using two kinds of tools

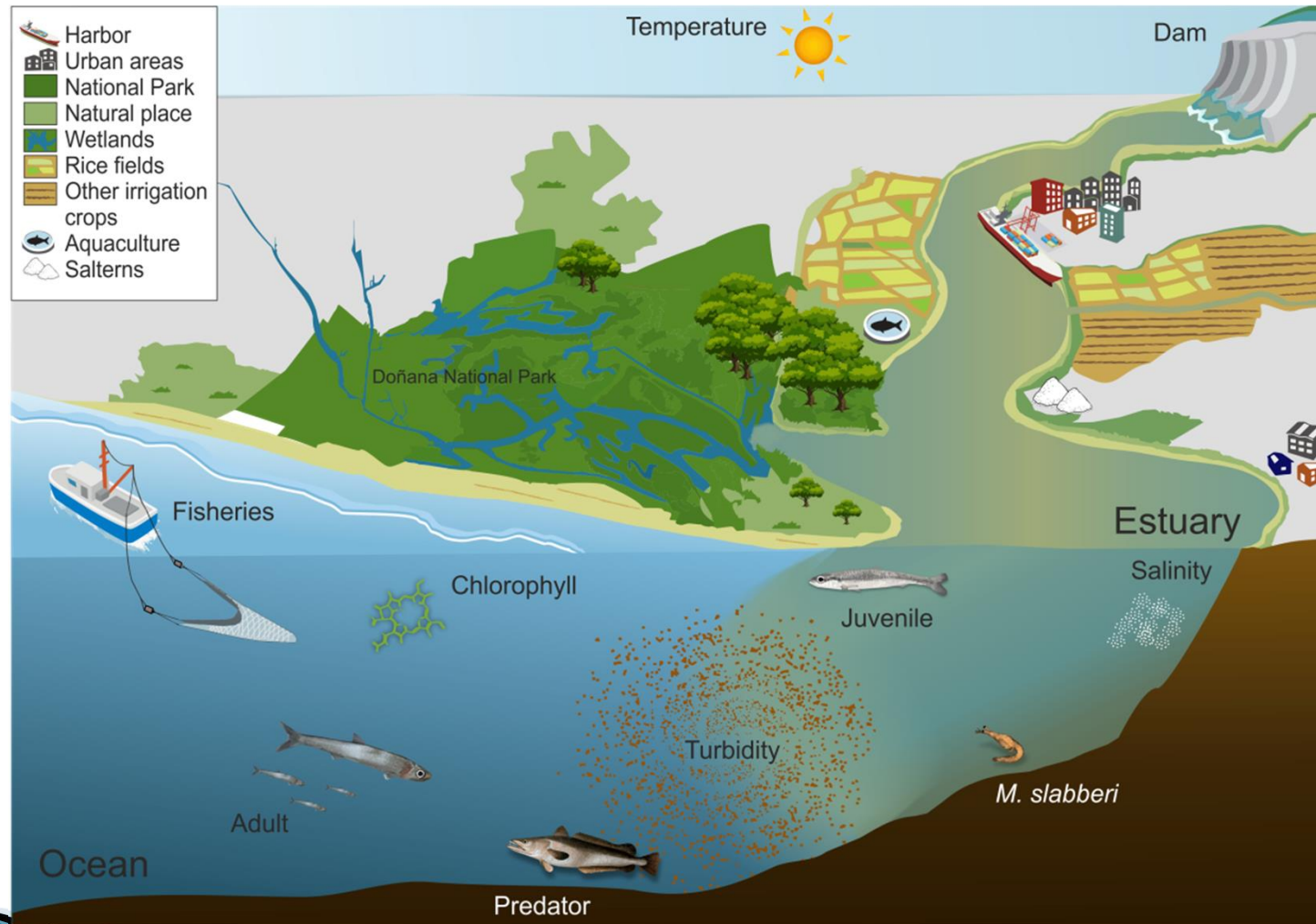| To study the social context to select appropiate stakeholders	To extract information from stakeholders
Social Network Analysis	Conceptual modelling Mental Modeler

What is Social Network Analysis (SNA)?

Social network analysis (SNA) is the process of investigating social structures through the use of networks and graph theory.

The case of the Guadalquivir estuary–gulf of Cádiz socioecosystem. SNAPQUIVIR project.
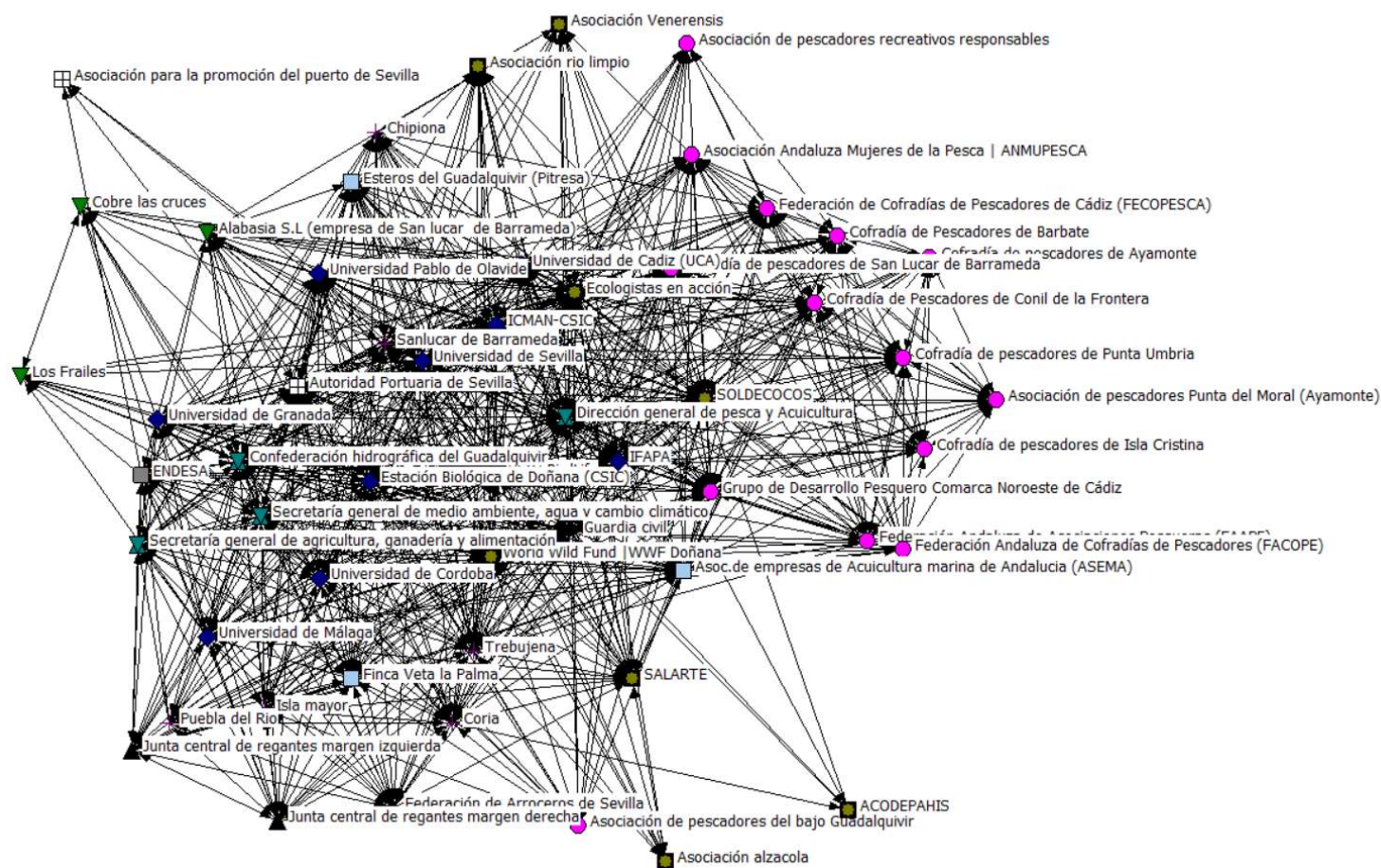
What did we ask stakeholders?

Recognition between actors

Relationship assiduity
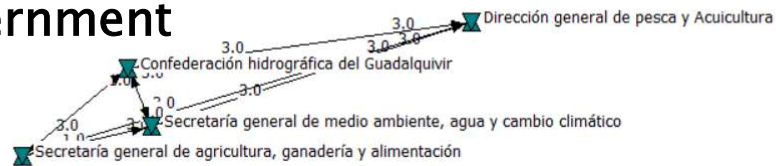
Relationship in management
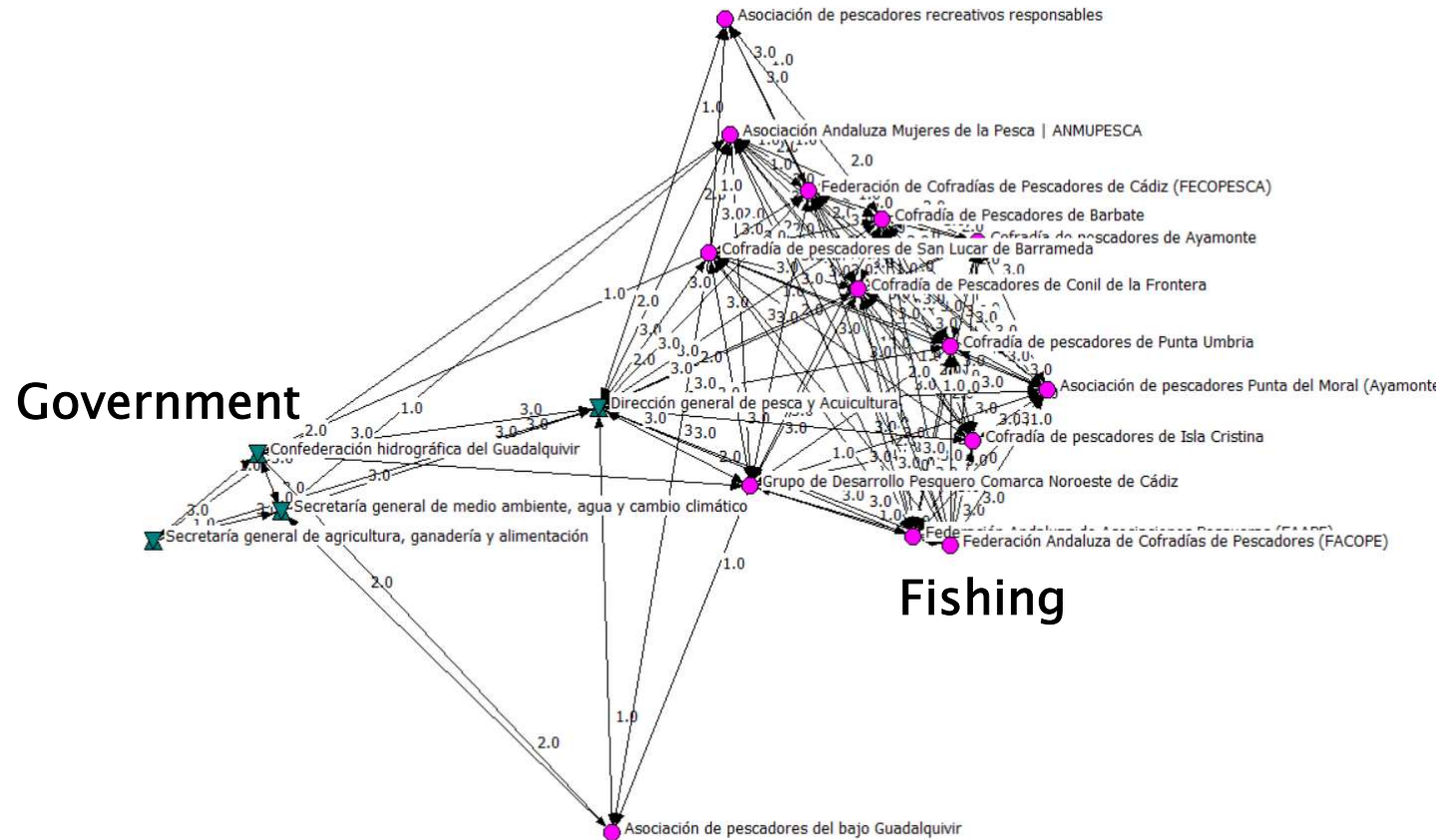
Visualizing networks (assiduity)

Visualizing networks (assiduity)
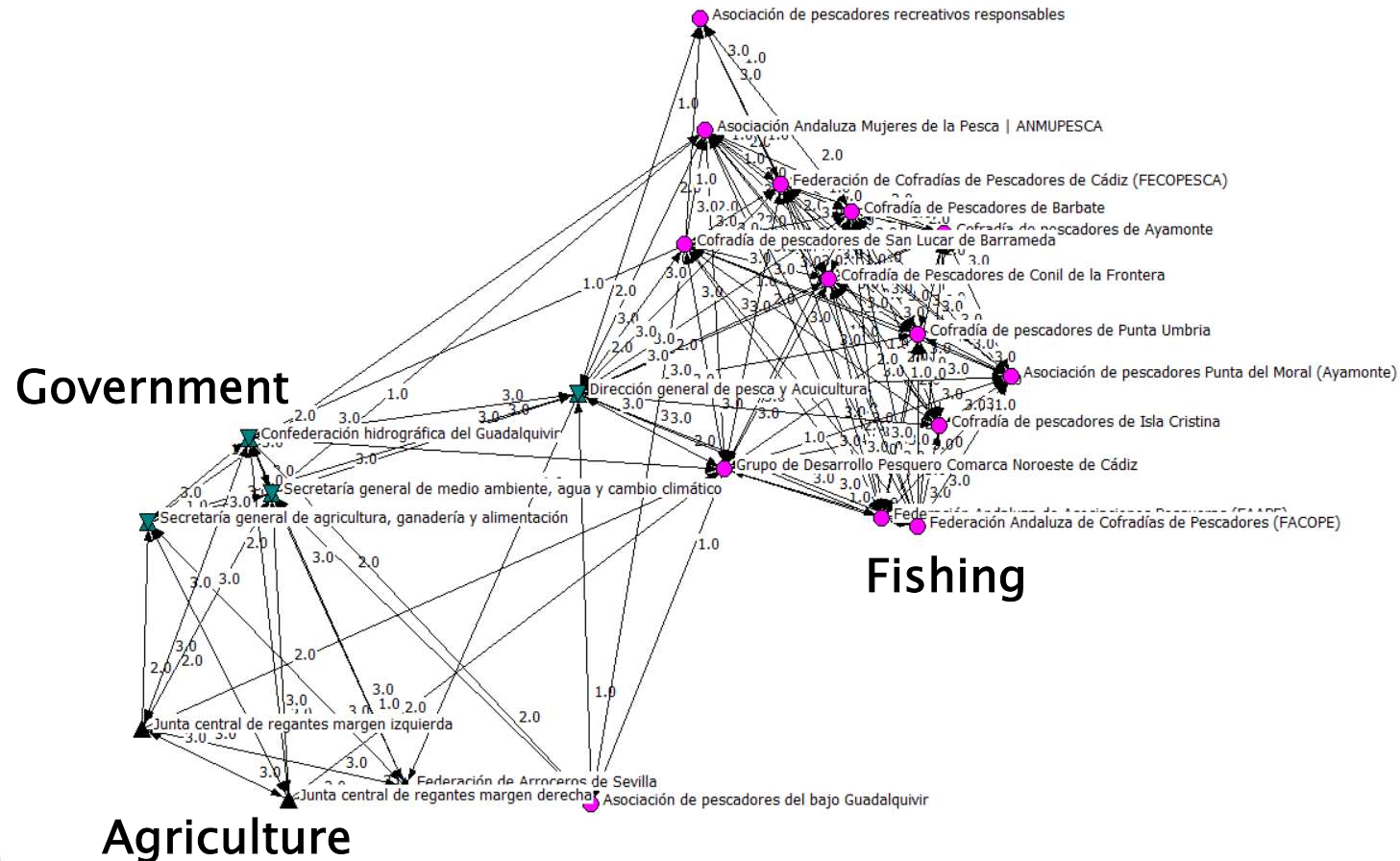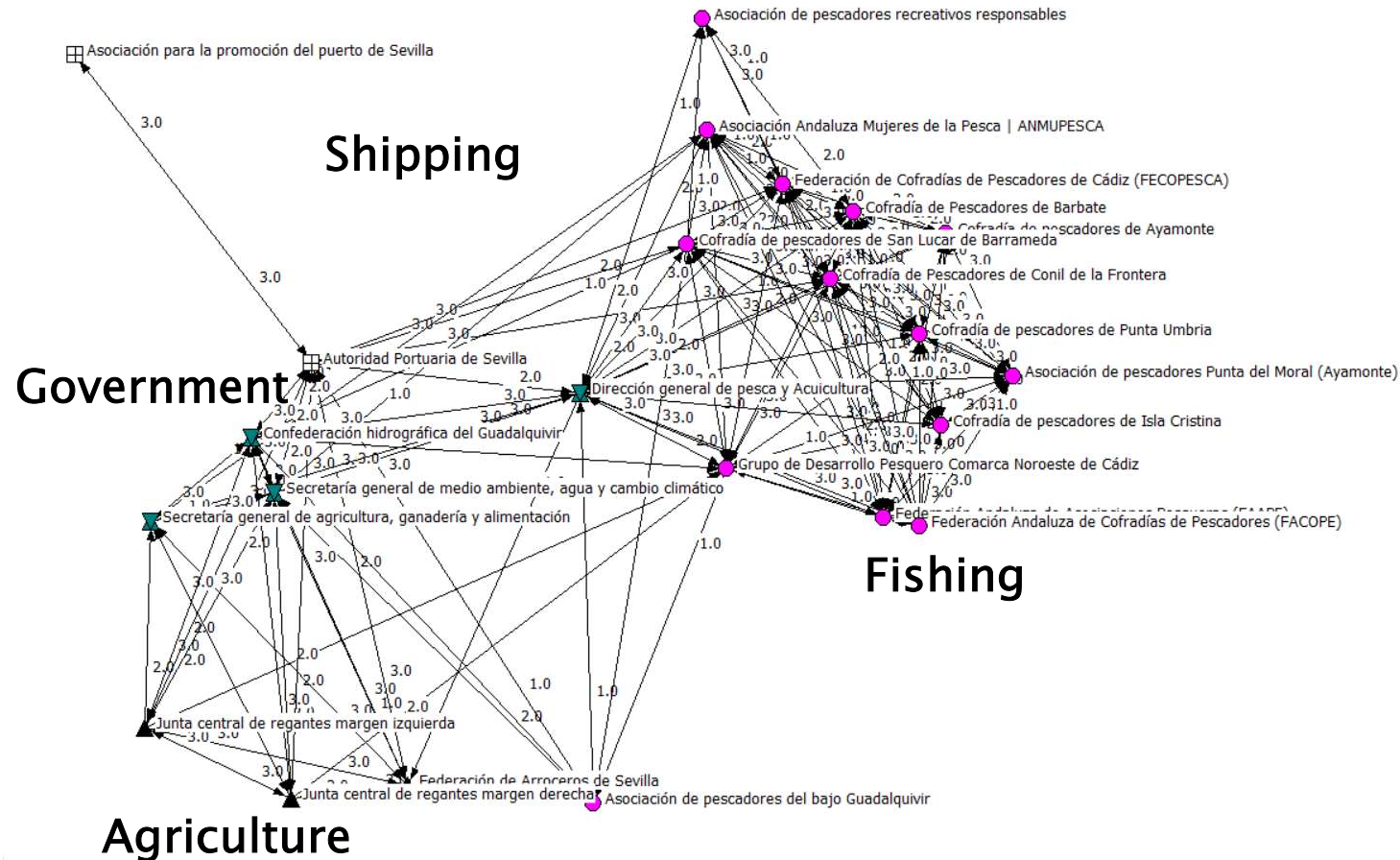
Government

Visualizing networks (assiduity)

Visualizing networks (assiduity)

Government

Agriculture

Fishing

Visualizing networks (assiduity)
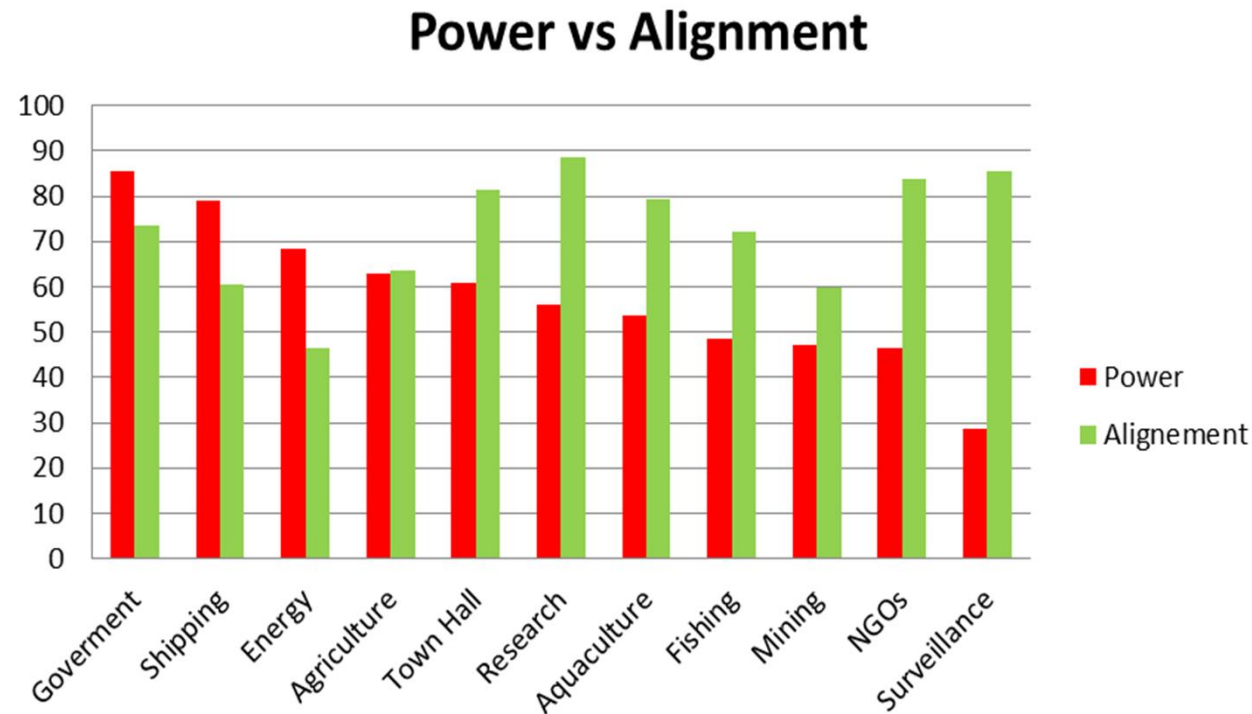
Key actors from SNA

Centrality measures address the question: "Who is the most important or central actor in this network?"

1) **Degree**: Degree is simply the number of links of each node (in and out: In-degree and out-degree)

2) **Betweeness**: quantifies the number of times a node acts as a bridge along the shortest path between two other nodes.

3) **Closeness**: Closeness indicates how close a node is to the rest of the network. Represents the ability of a node to reach the others

What did we ask stakeholders?

How much power do the other stakeholders have? Are the stakeholders against or aligned with your goals

Power vs Alignment

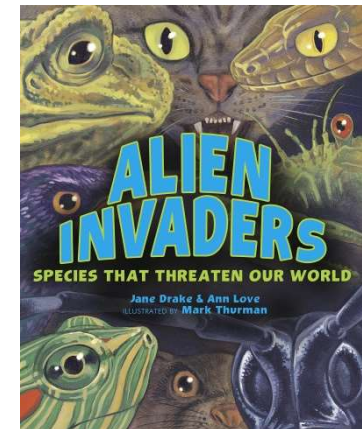# What are your main managament goals?

Illegal fishing

Water pollution

Alien species

Drug trafficking
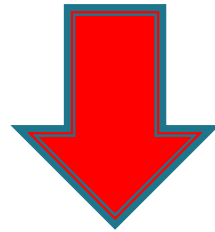
Summarizing results from SNA

Key stakeholders (centrality measures)
How is the relationship between stakeholders (hate/love)
What are their management goals

Knowing this information is especially useful before beginning a participative process

Useful stakeholders for each meeting

Looking for interactions between stakeholders

What tools we can use to work together with stakeholders?
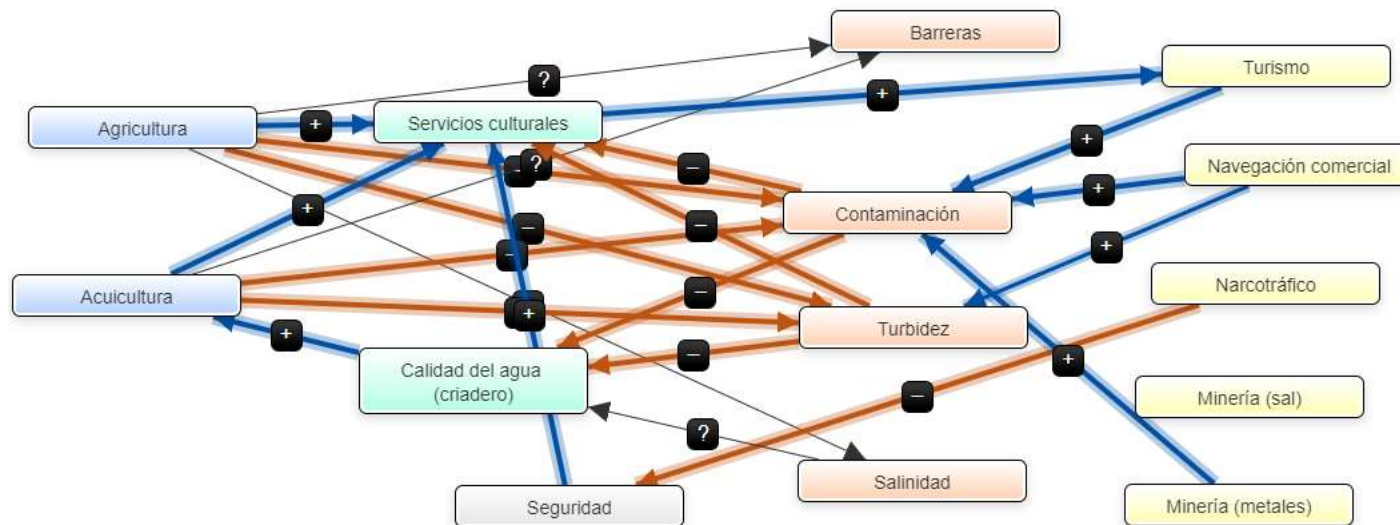

We are using two kinds of tools

To know the social contexts to select appropiate stakeholders	To extract information from stakeholders
Social Network Analysis	Conceptual modelling Mental Modeler

What is conceptual modelling?

A **conceptual model** is a representation of a system, made up of the composition of concepts that are used to help people know, understand, or simulate a topic that the model represents, including the important entities and the relationships between them.

The best way to understand it is with an example

Tuesday briefing: Why is the US suddenly spying so many UFOs?

In today's newsletter: The use of surveillance balloons has gone largely under the radar until several floating orbs were shot down in North America. But China's not the only country full of hot air – a look at this mysterious twist in international espionage

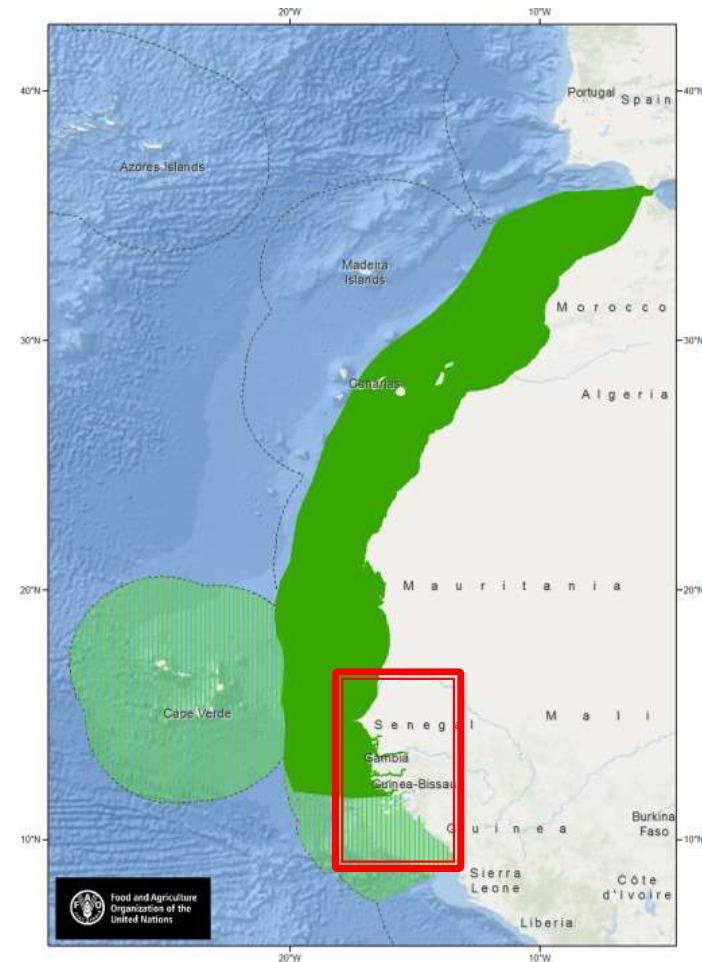● **Sign up here for our daily newsletter, First Edition**

📷 A suspected Chinese spy balloon drifts to the ocean after being shot down off the coast of South Carolina. Photograph: Randall Hill/Reuters

The Guardian

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The case of the Canary Current
project MISSION ATLANTIC

- Morocco
- Canary Island
- Mauritania
- Cabo Verde
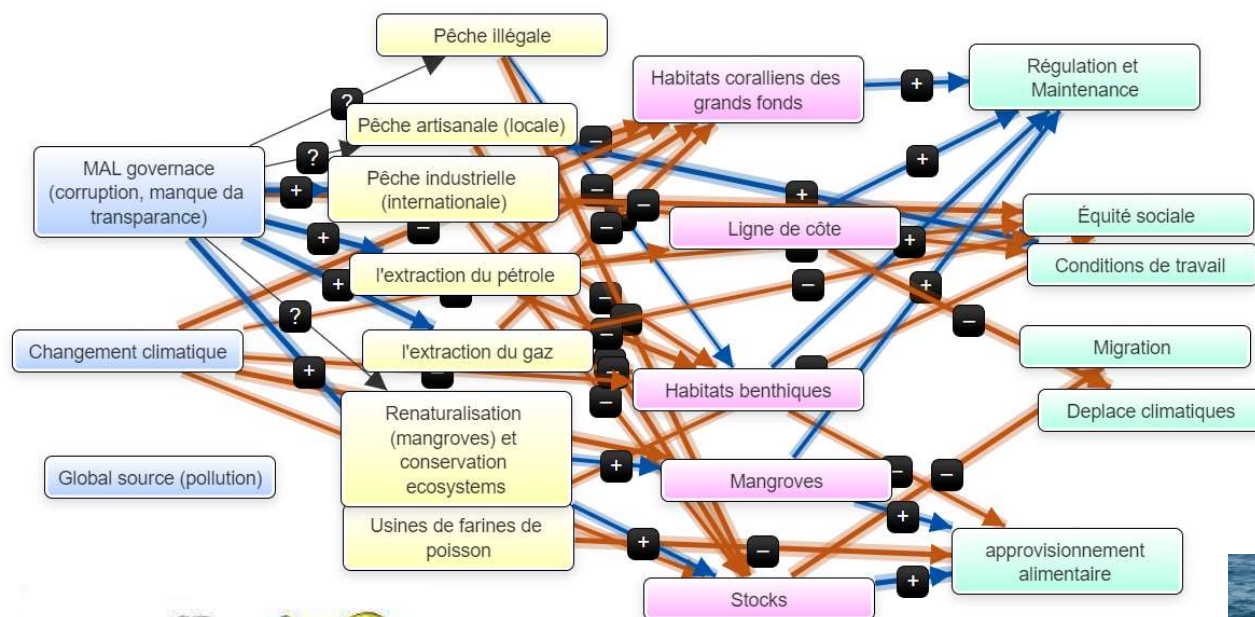- Gambia
- Senegal
- Guinea-Bissau

Integrated Ecosystem Assesment

Experiences using conceptual modelling with West African stakeholders

Interesting information extracted

What have we learned from these experiences working together with stakeholders?

Totally different cultures but similar behaviour

Open to communicate
Sense of humor
Interested to talk about their activities

STAKEHOLDERS

What have we learned from these experiences working together with stakeholders?

How to engage stakeholders into marine environment management

- To be clear with your goals
- To know them and to empathize
- Inform often
- Careful with stakeholders fatigue
- Humans are emotional animals
- plan the meetings well
- To be neutral
- Underpromise and overdeliver

Question to encourage an open discussion

- Do you think that it is really useful working together with stakeholders?

- What do you think about the value of their information?

- Have you had some experience working together with stakeholders?

- What tools do you Know to work with them?

- Other questions of interest…