



POSGRADO EN
Ciencias
de la
Sostenibilidad

Social Apropiation of Knowledge

Small-scale fishing in Jalisco, México

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Science like a **tool** to **understand** the reality and **support** decision-making but...

Science and society



Stop talking about coastal and ocean management if we do not **connect information with its application**

Social Apropiation of science?

Internalize, assimilate and **use** information

Bridging the gap between science and society requires an **active, horizontal and continuous participation process** (Castillo et al., 2005; Castillo y Toledo, 2000).

We need...



access



dialogue



trust



In the Small-scale fisheries of Jalisco, science generation have any process of mobilization and appropriation?

The **main aim** to my work is analyze the **contribution** of **scientific knowledge** generated by the **academic** and the **governmental** sectors and **identify** the factors that **limit** o **facilitate its use**



Illegal fishing; conflicts with tourism, between fishing cooperatives, with sport-fishing, and with industrial fisheries (Solórzano Murillo et al., -in prep-)

Jalisco, México



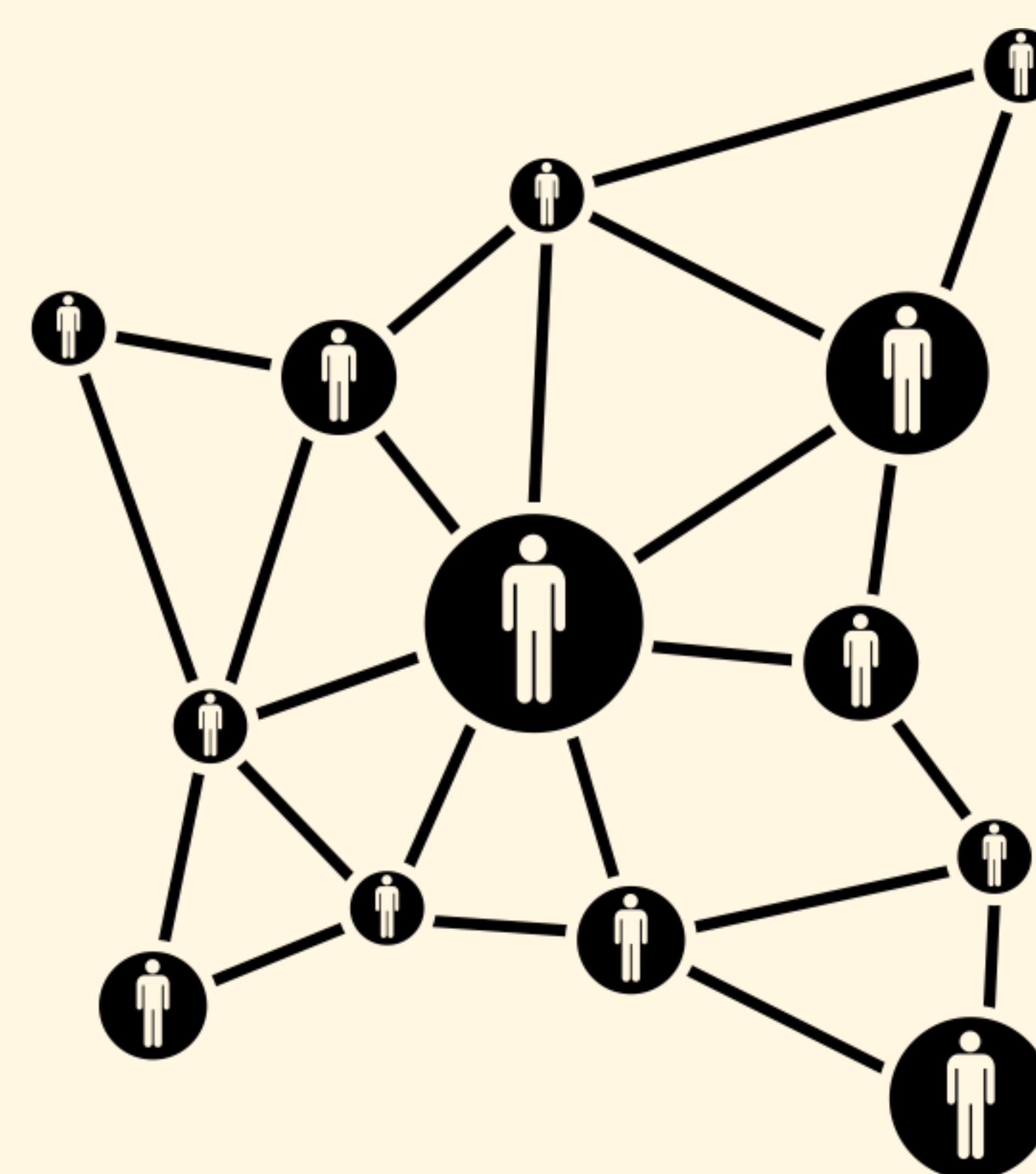
+14,000 individuals depend upon small-scale fishing

Social Network Analysis (SNA)

Set of **measurement** an **analysis** technique that **allow** the **understanding of interaction between social actors**

(Sanz, 2003)

- **Knowledge** flow
- **Communication** flow
- Social actors **behavior**
- **Power** structure involved in **decision-making**



Graph theory like **tool** to SNA

Conceptualizes the social actors in **nodes** and his interactions by **ties**

Matrix *

Relational algebra *

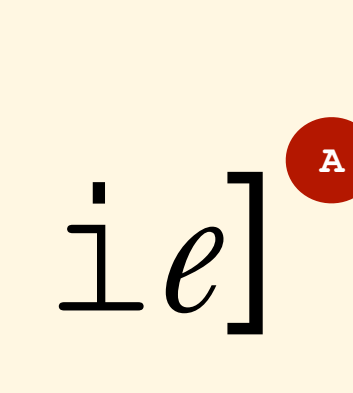
How the interactions can serve to build **opportunities** and **restrictions** in the **access to resources**

(Cárdenas Tapia, 2016; Casas, 2001; Hedstrom and Swedberg, 1994).

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