
MATILDA DUNN, PHD CANDIDATE

HOW DOES THE UNITED NATION SYSTEM WORK TOGETHER ON BIODIVERSITY GOALS?

BACKGROUND

UN SYSTEM

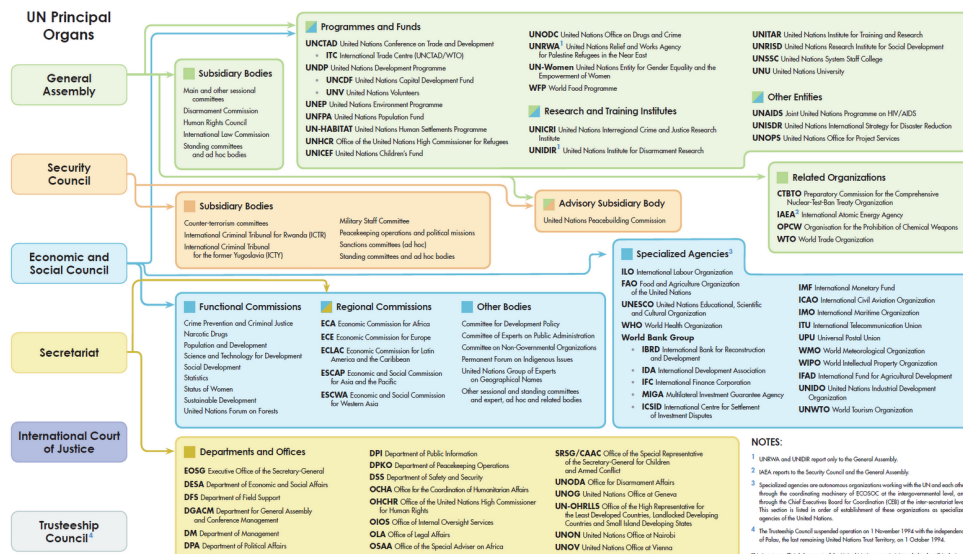


The UN HQ in Geneva

- A stable and functioning earth system is foundational for achieving UN's 2030 Agenda.
- UN System offers an important forum for harmonizing and catalyzing action.
- Environmental activities within UN System increased after Rio Earth Summit (1992) in response to the demand from member states.

BACKGROUND

UN SYSTEM



The UN systems structure

- However, entities found to be working in silos with limited collaboration, resulting in:
 - Disorganization,
 - Inefficiency
 - Fragmentation
- Mechanisms to increase collaboration across entities include:
 - SWFS (UN-EMG, 2017)
 - Common Approach (2021)

RESEARCH GAP:

1. How effective is the implementation of these system-wide strategies?
 2. What are the barriers to coordination and collaboration?
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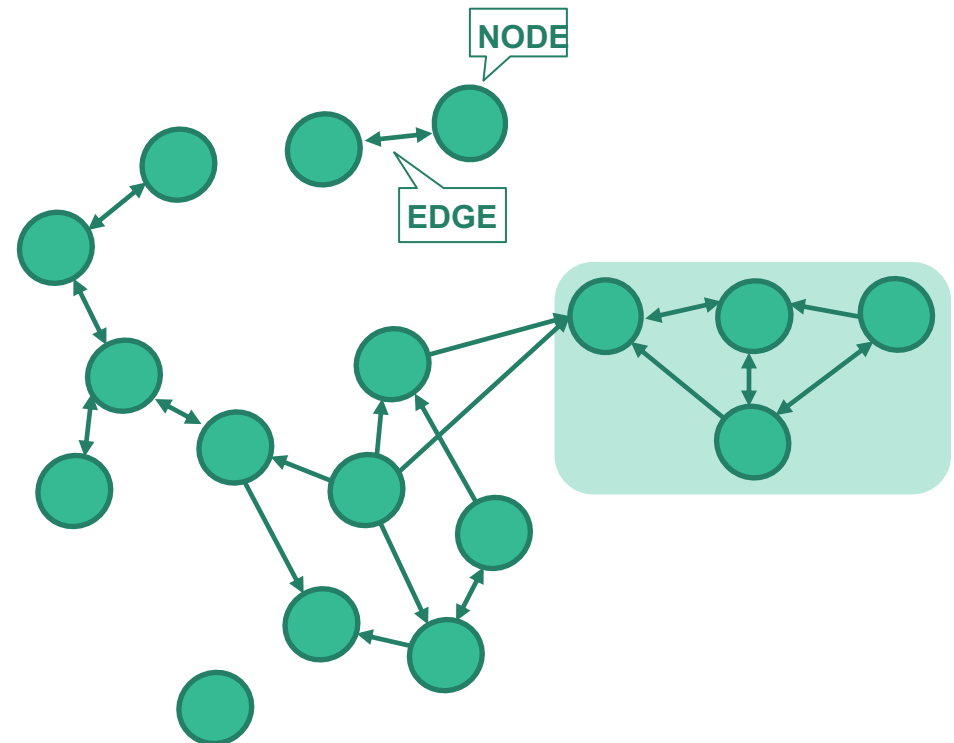
RESEARCH OBJECTIVES:

- 1) To map the current UN system-wide interactions on biodiversity.
- 2) To identify the current structure of system-wide partnerships:
Density | Centrality | Clustering
- 3) Compare structures across partnership “types”.

UN SYSTEM COLLABORATION

SOCIAL NETWORK

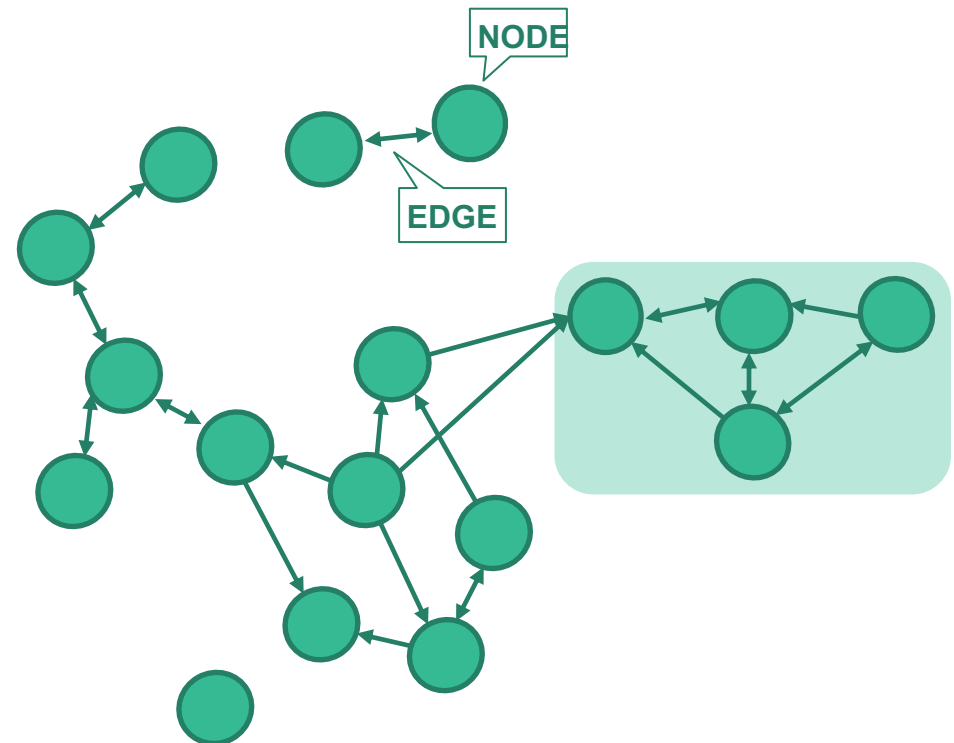
- **Nodes** = UN entities (specialized agencies, offices, programmes)
- **Edges** = Partnerships (co-authors, coordinated activities, collaborations)



UN SYSTEM COLLABORATION SOCIAL NETWORK

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- **Data sources=**
 1. UN-EMG survey 2017

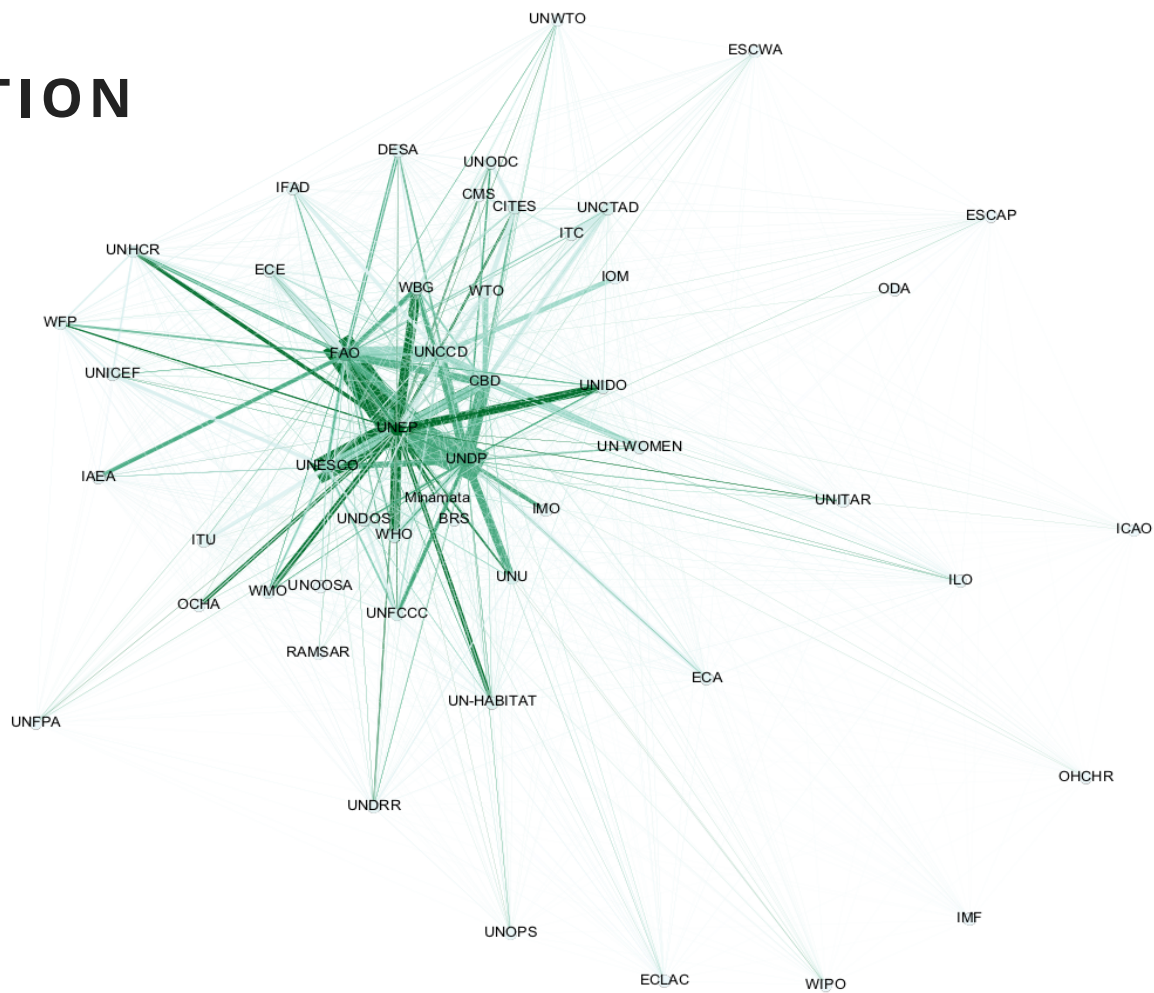
"Examples of formal partnerships that contribute to the environmental dimensions of the SDGs"
 2. Systematic search of UN agency reports



UN SYSTEM COLLABORATION SOCIAL NETWORK

1. High network density:

*Density=Number of present connections against
total possible number*



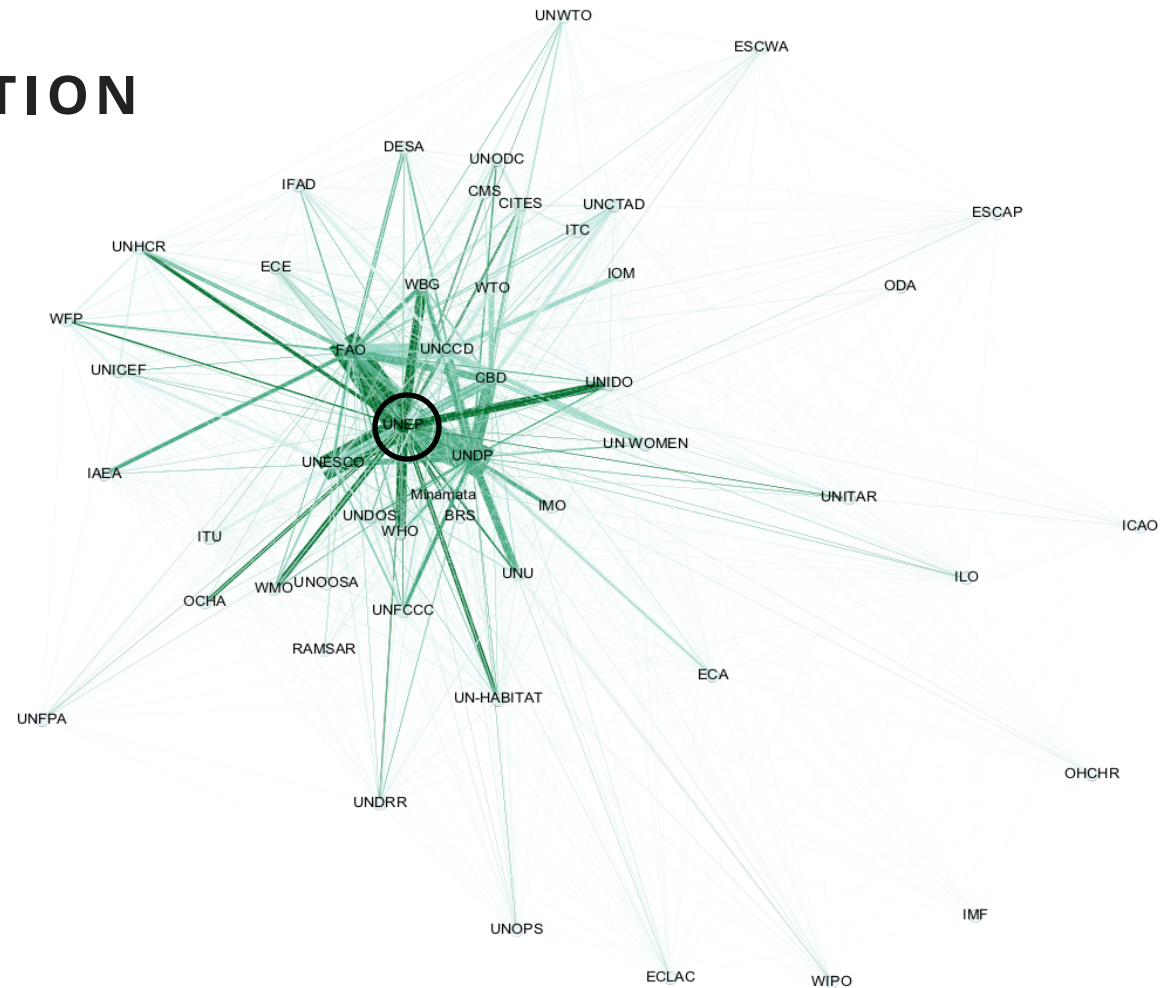
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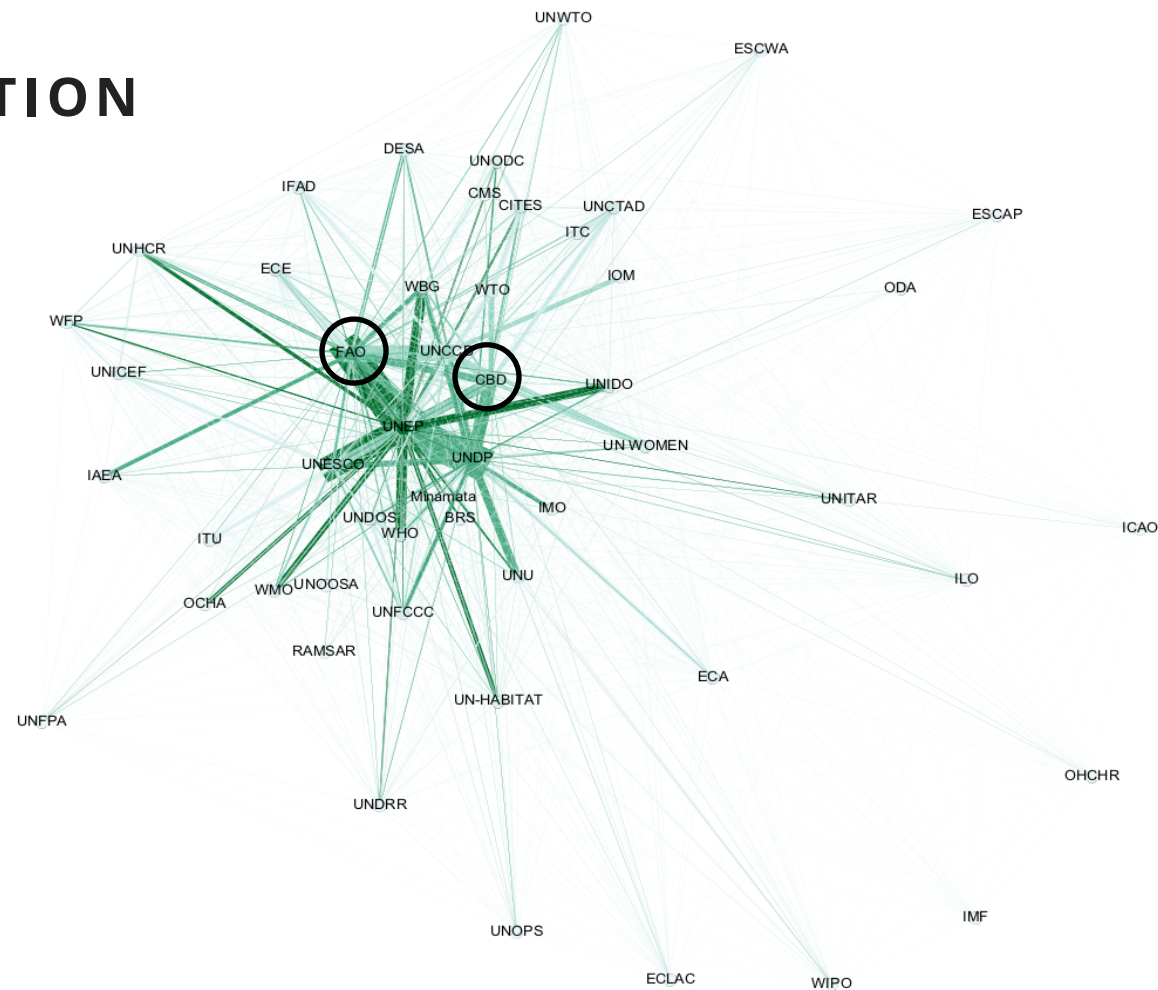
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Centrality=How many direct connections one node has to other nodes in the network

3. Short paths but high clustering:

Path length=Number of edges between 2 nodes

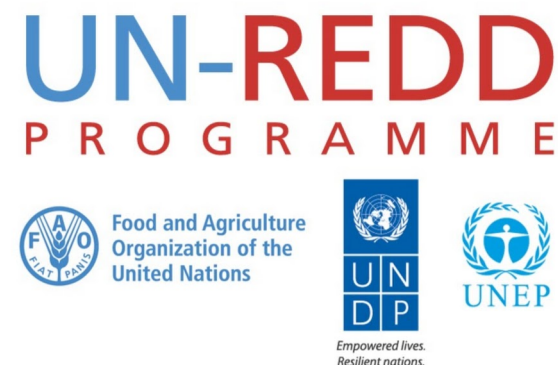
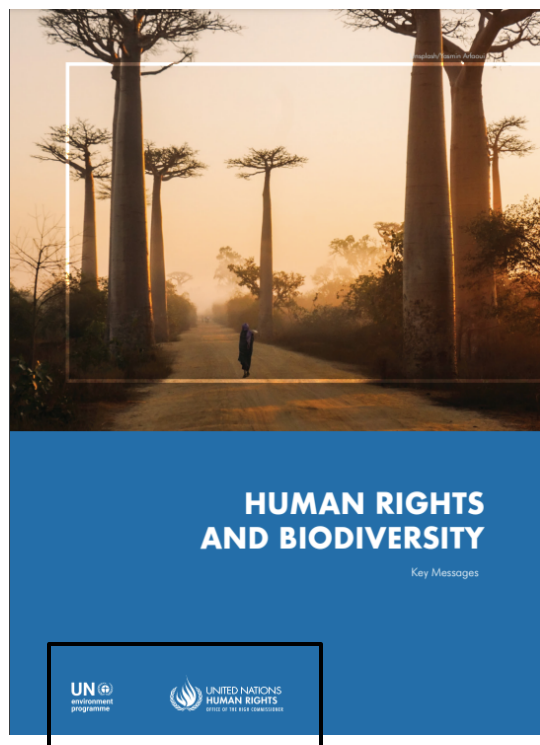
Clustering=A group of nodes more connected to each other than other nodes



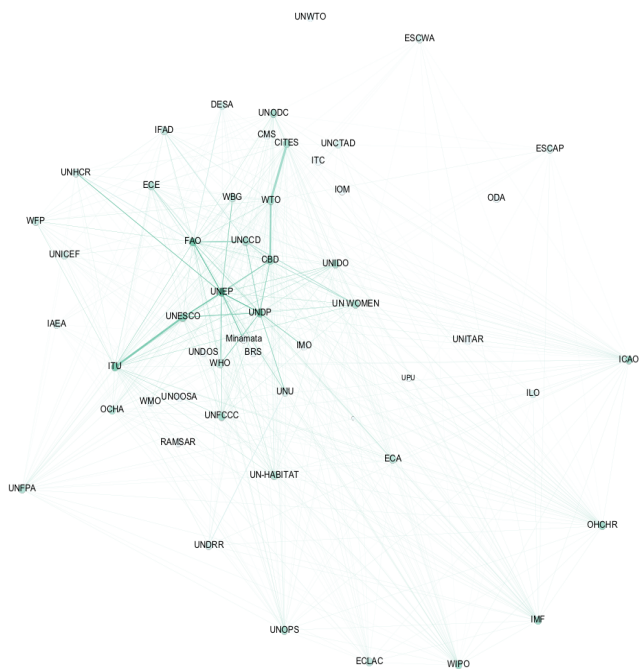
Co-authors: A one-off report co-authored by more than one UN entity.

Co-ordinated activities: A specific unit with multiple members, a core purpose and a concentration of activities. The co-ordination comes from an external body.

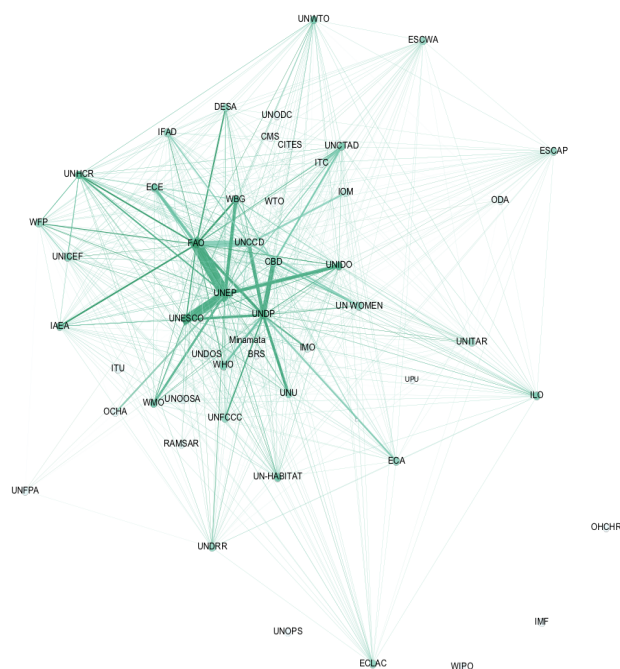
Collaboration: A partnership between UN entities that has a longer-term aim and shared resources. Action is coordinated between the actors.



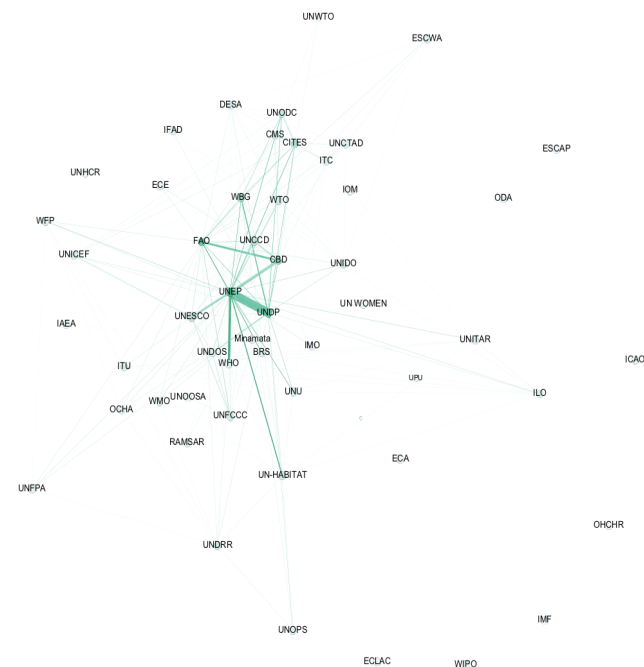
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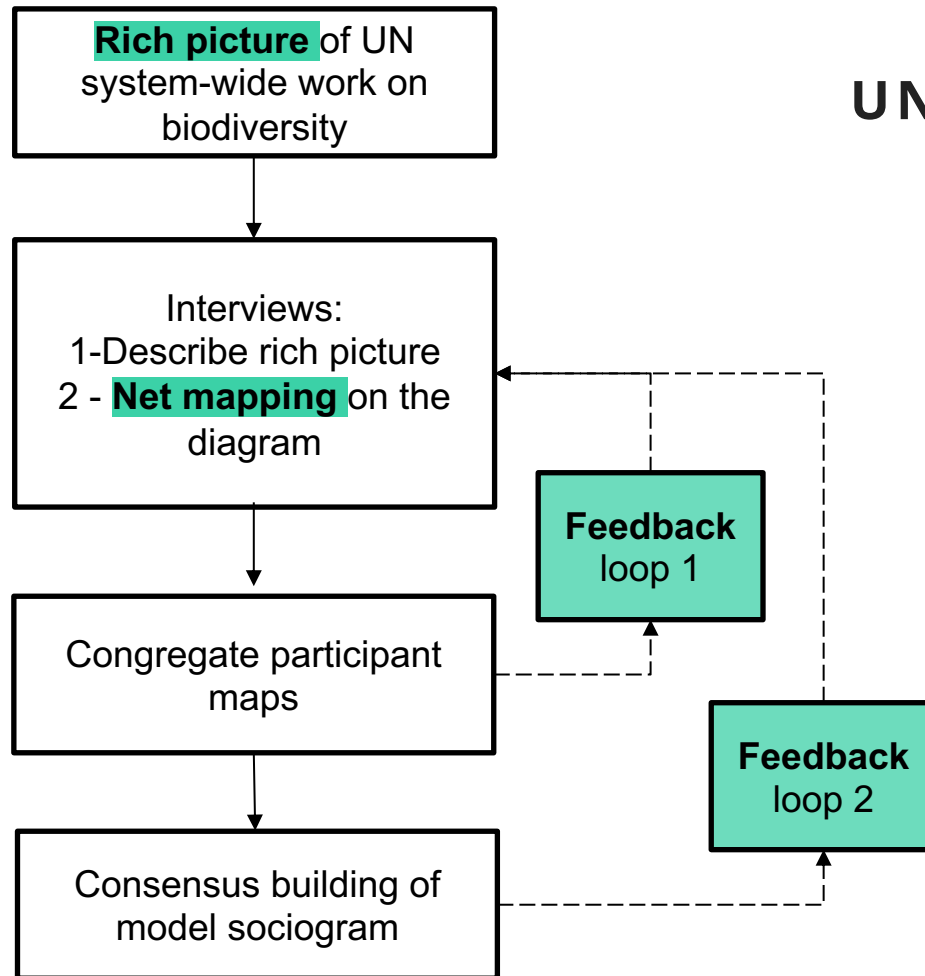


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LIMITATIONS

1. Focus on outputs rather than processes
 2. Lack of understanding about what “flows” through the edges
 3. What are the barriers and where are they?
-



UN SYSTEM COLLABORATION INTERVIEWS

Rich picturing: *Part of Soft Systems Methodology, a way of expressing a situation through diagrams.*

Net mapping: *Creates an influence network map by scoring actors.*

Delphi Method: *A process used to arrive at a group opinion with several feedback rounds.*

Imperial College
London



Economic
and Social
Research Council



Questions?

THANK
YOU

Supervisor: Dr Caroline Howe, ICL

Collaborators: UN-EMG



THE HISTORIC CONTEXT



Maurice Strong, Jan Mårtenson cycling to the 1972 UN Conference on the Human Environment

1970s-1980s:

1972: UN Conference on the Human Environment, Stockholm

1987: Our Common Future, Brundtland report

1990s

1992: Rio Earth Summit

2000s-2020s

2006: Kofi Annan's "Delivering as One" Report

2012: UN SWFS on the Environment (EMG)

2021: Common Approach to Biodiversity and NBS (WCMC)

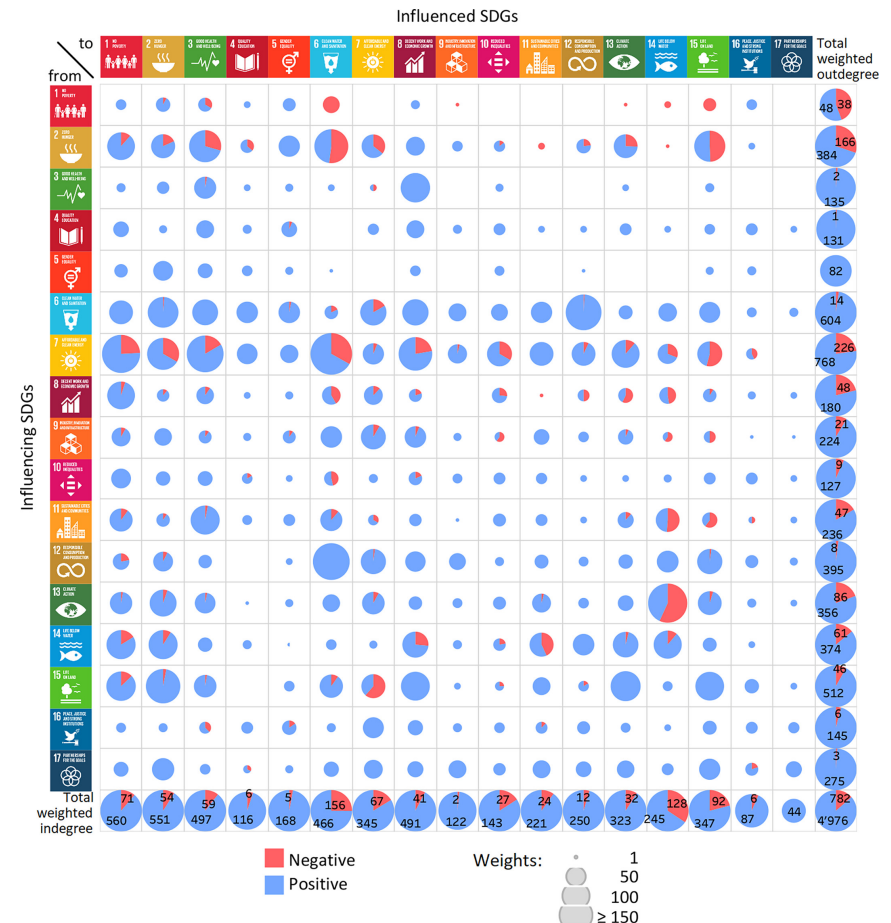
BIODIVERSITY INTEGRATION CONTENT ANALYSIS

Aim:

Examine the *context* in which biodiversity is integrated into different UN agency strategic plans

Method:

1. Conceptual Analysis
 - Frequency of each term.
2. Relational Analysis
 - Proximity, strength and direction of relationships between terms



Pham-Truffert et al. 2020 Sustainable Development 28:5