

Beyond 2025 - Connections

ft. ChatGPT

Methods:

1. Define Network Elements:
 1. Nodes: Represent outcomes
 2. Edges (connections): represent relationships between groups based on shared metrics.
2. Establish Connection Criteria (edges): each edge in the network is formed based on the strength of shared characteristics. You can assign weights to edges based on degree of similarity.
3. Create a dataset where each row represents a relationship between two groups and the metrics that define their connection.

Methods cont'd. . .

- Scoring system:
 - Assign a score for each connection (e.g., sum of shared metrics).
 - A higher score indicates a stronger relationship.
- Network Visualization:
 - Nodes: size nodes based on the number of strong connections.
 - Edges: thicker edges indicate stronger relationships.
 - Clustering: identify clusters of groups with shared interests.

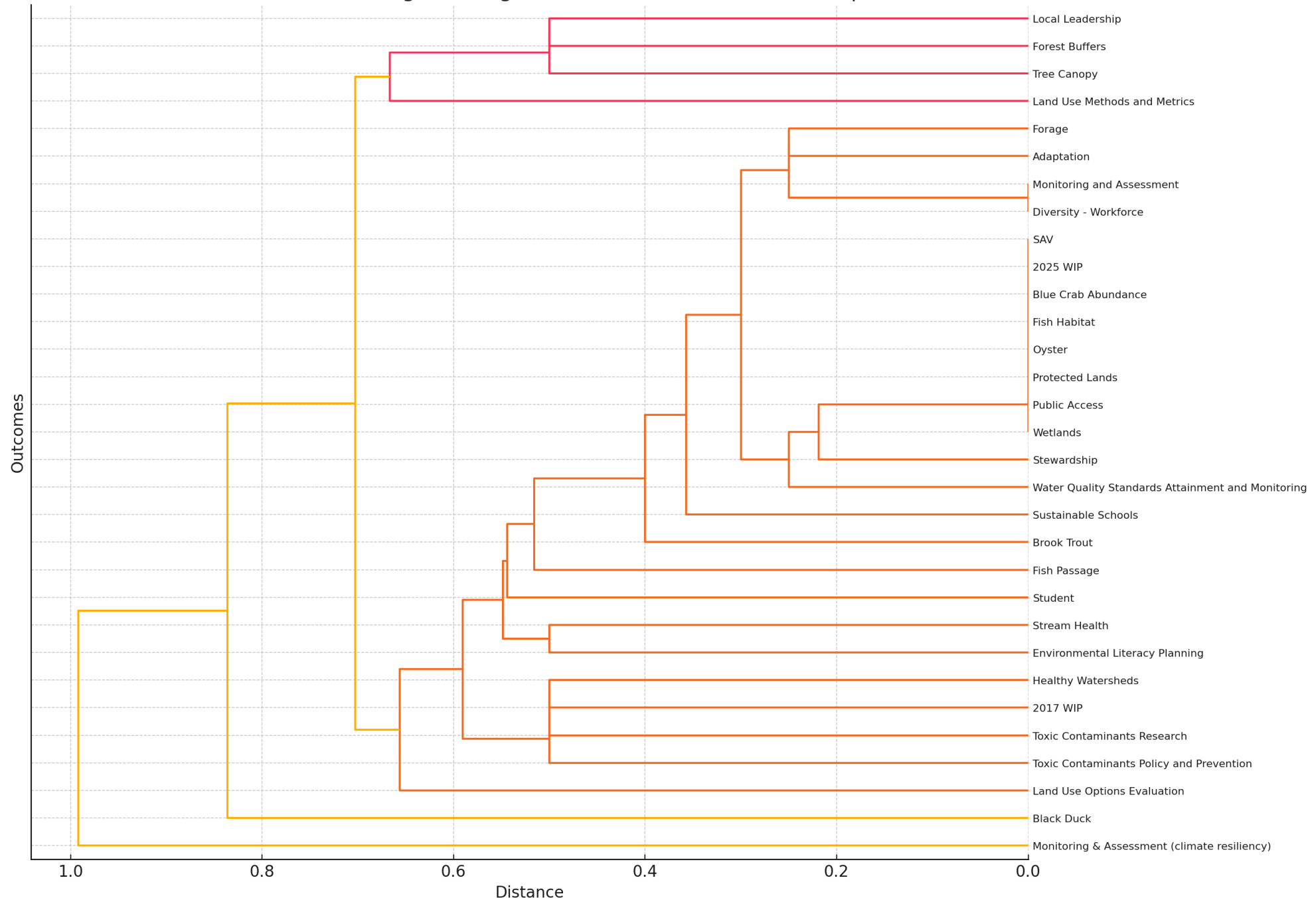
Criteria:

Edges (connections):	Description:
Shared Outcome Recommendations (disposition)	If two groups recommend consolidating, restructuring, or updating the same outcomes.
Shared Challenges & Opportunities	If two groups identify the same challenges or opportunities.
Alignment with Chesapeake Bay Agreement	If groups align with the same mission, vision, or pillars.
Value Added by Chesapeake Bay Program	If groups emphasize reliance on Chesapeake Bay Program resources
SMART Criteria Similarity	If groups assess outcomes similarly using SMART criteria.
Similar Timescales for Outcomes	If groups plan for the same timeframe (5, 10, 15 years).
Resource Needs & Availability	If groups report the same level of resource needs.
Shared Risk & Consequences Concerns	If groups identify similar risks of removing an outcome.
Public Engagement & Benefit Alignment	If groups emphasize public input and outreach.
Restoration Emphasis	If groups focus on conservation, restoration, habitat protection, or ecological rehabilitation.

Recommendations from the GIT Chairs Meeting:

- Apply a threshold to what we deem as a connection – “True Connections”.
- Applying a size component to the nodes to identify outcomes that are of particular importance in the structure of the program.
- Moving beyond the two-pagers and including the management strategies.
- Identify clusters across the outcomes for possible shared Goals.

Hierarchical Clustering Dendrogram (Colored Clusters, 5-6 Groups)



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