

Caribbean Fishery
Management Council

April 27, 2021

DAP PR, DAP STT/STJ, DAP STX

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Ecosystem Conceptual Model

Update Report

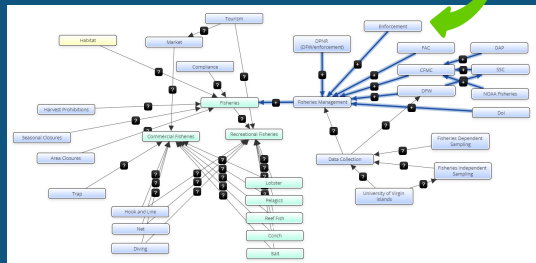
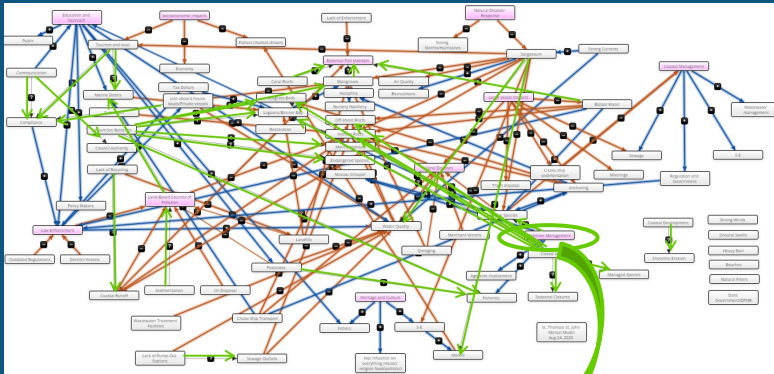
DAPs

Puerto Rico, St. Thomas - St. John, St. Croix

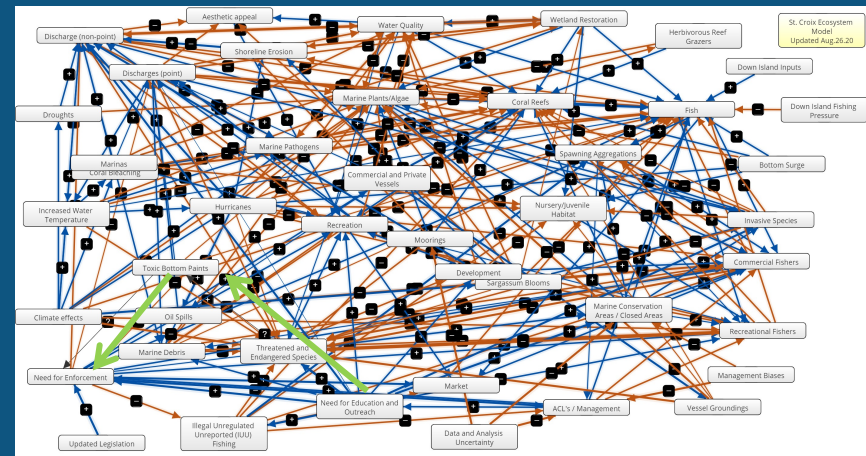


DAPs pending connections April 19-20, 2021

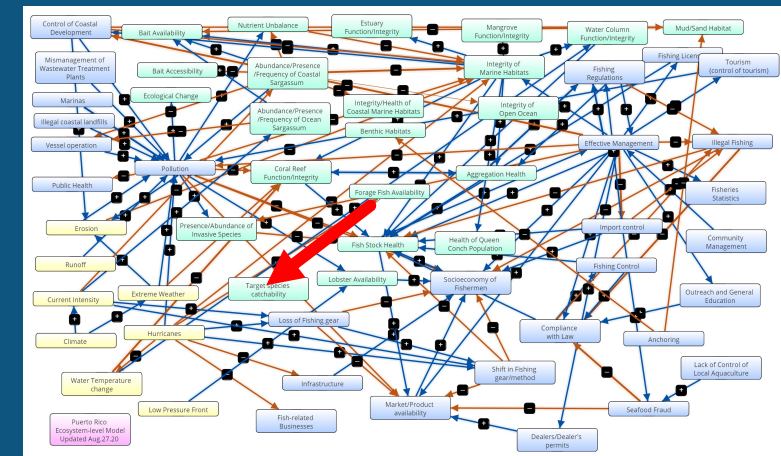
Mission Accomplished!



DAP STT/STJ



DAP STX

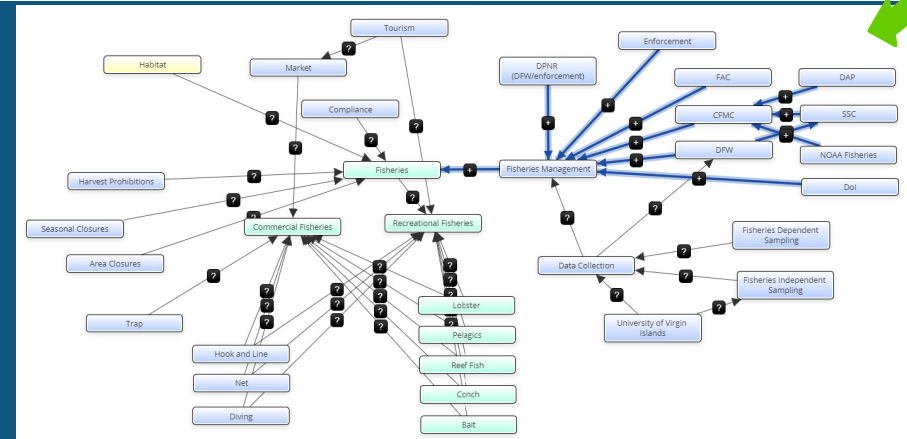
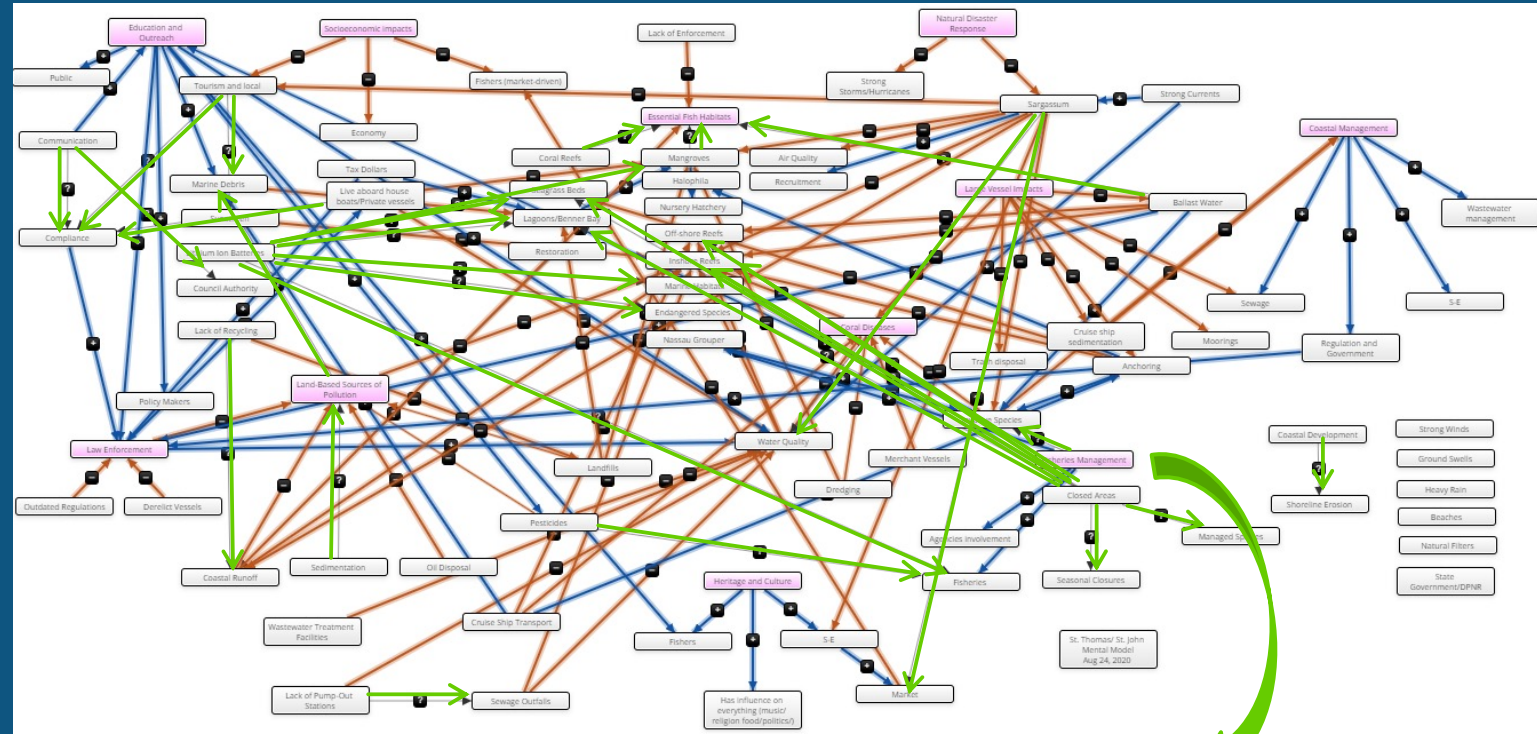


DAP PR

- All DAPs completed pending connections (Highlighted arrows).
- Preliminary Results

DAPSTT/STJ

- Green arrows indicate DAPs homework for April 19, 2021



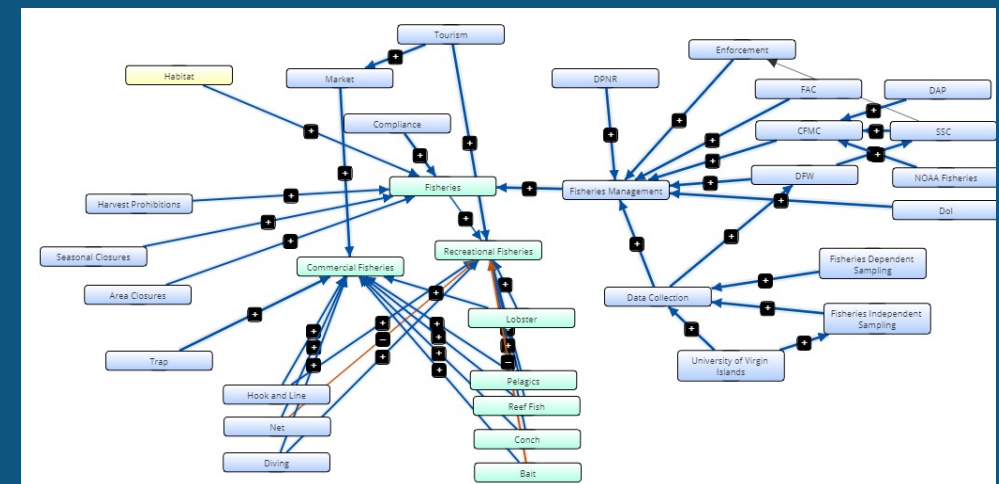
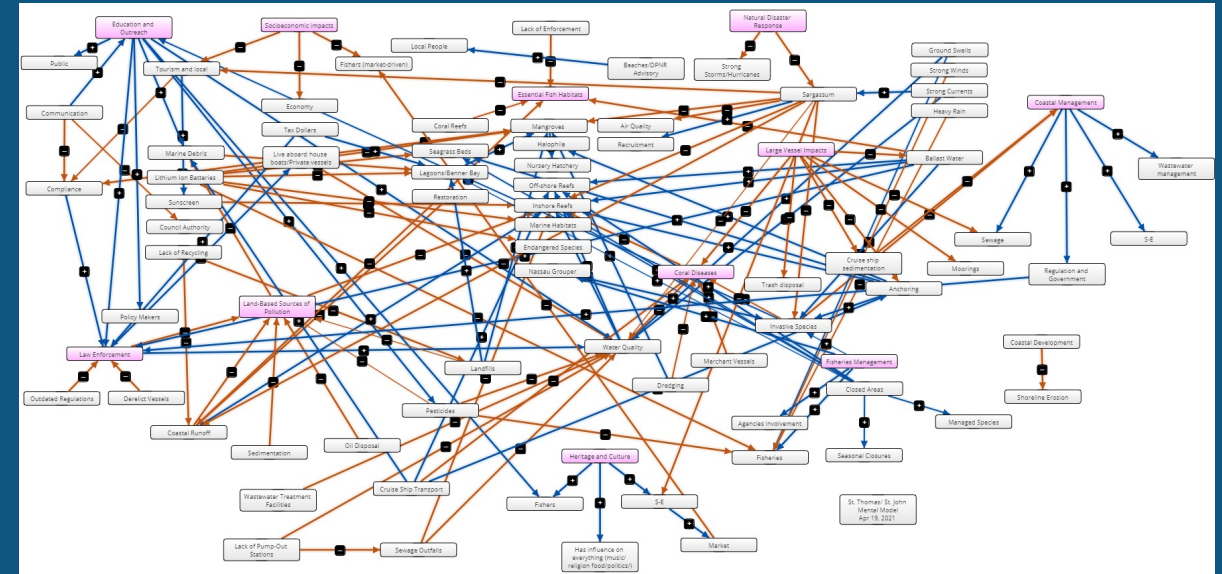
DAP STT/STJ

April 19, 2021

- 51 Components (big model)
- 33 Components (Fisheries model)
- **Total: 86 components**
- **Total paired connections: 160**

Top drivers

- **Sargassum (7)**
 - (impacts to 7 components for example inshore reefs and recruitment)
- **Education and Outreach (7)**
- **Lithium Ion Batteries (6)**
- **Cruise ship Transport (5)**
- **Ballast Water (5)**



DAP STT/STJ Top Key Items – Regulatory issues as presented to the CFMC

- ▶ Enforcement
- ▶ Water quality
- ▶ Education and Outreach
- ▶ Heritage and Culture
- ▶ Natural Disaster Response
- ▶ Socioeconomic Impacts
- ▶ Essential Fish Habitats
- ▶ Land-Based Sources of Pollution
- ▶ Coastal Management
- ▶ Coral Diseases
- ▶ Large Vessel Impacts

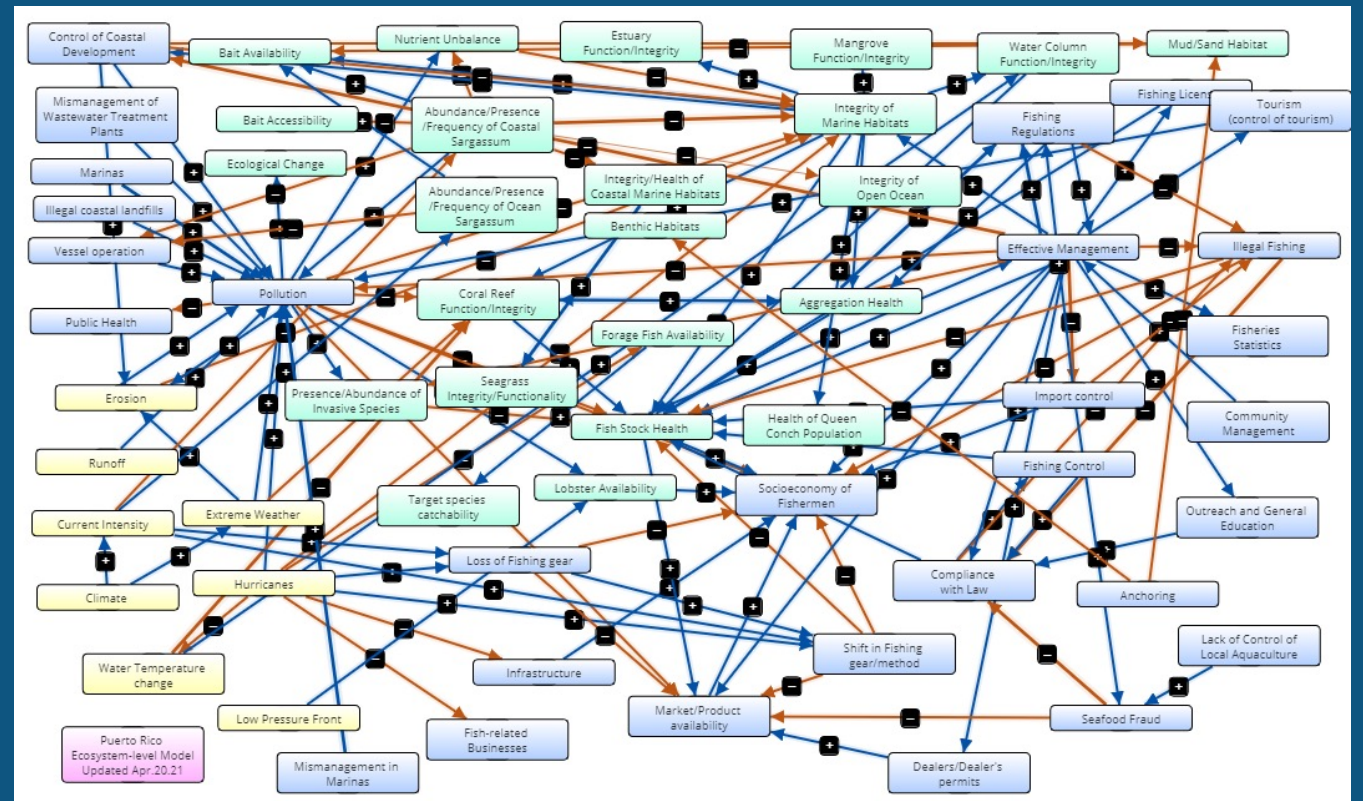
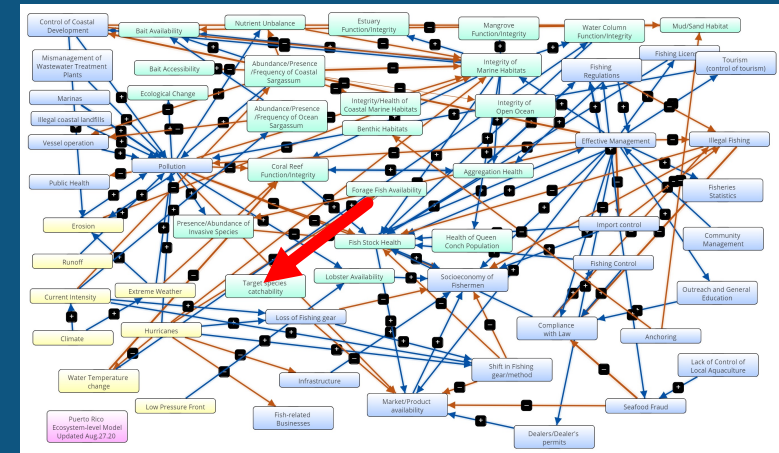
DAP PR

April 20, 2021

- Total: 62 components
- Total paired connections: 127

Top drivers

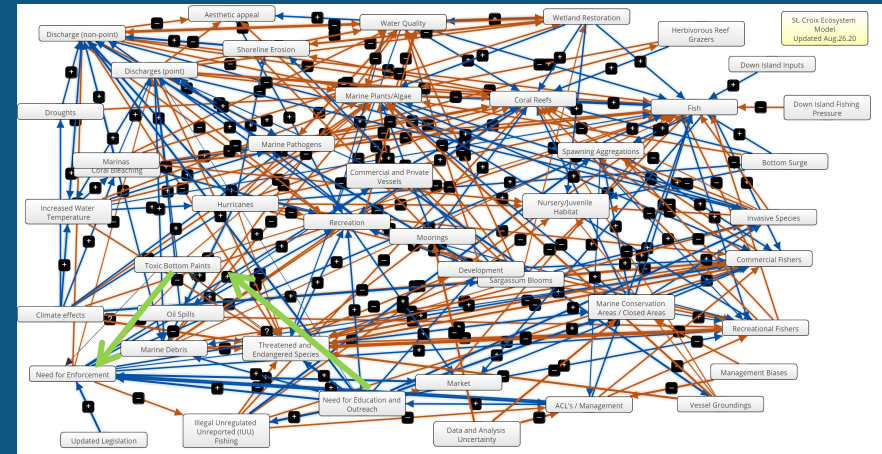
- Integrity of Marine Habitats (impacts to 8, for example, aggregations, fish stocks)
- Effective Management (5)
- Current Intensity (4)
- Pollution (4)
- Hurricanes (3)



DAP STX

April 19, 2021

- Total: 46 components
- Total paired connections: 233



Top drivers

- Need for Education and Outreach (impacts to 9 components such as illegal and unregulated fishing, non-point pollution)
- Hurricanes (5)
- Development (4)
- Fish (4)
- Increased Water Temperature (3)

