

## **Collaborations between AOML and the NOAA-SEFSC Early Life History Lab:**

### **Past, present and future**

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This presentation highlighted previous and ongoing collaborations between the NOAA SEFSC Early Life History (ELH) unit, and NOAA AOML. Three projects were presented: the Mesoamerican Reef transport and ecology project, the US Virgin Islands larval reef fish supply study, and the ongoing climate change impacts on Atlantic tunas and billfishes project. All three studies have benefited enormously from collaborations between biologists, oceanographers and modelers. Results have highlighted transport and retention conditions for pelagic fish larvae in the western and northeastern Caribbean, and potential ecological impacts of climate change on highly migratory fish species in the western Atlantic. Future activities will strengthen the current links between biological habitat models, individual-based models, and downscaled climate models.

