Over the summer, we focused on collecting the data we needed for the project. We were able to collect all the necessary biophysical and economic data from underwater surveys and landings databases. We also pulled reserve objectives from the ETJs, refined our list of indicators based on this information, and matched our indicators with reserve objectives. We also finished our first draft of the survey that will be used to capture additional socioeconomic and governance information. The first pilot tests of the surveys were also conducted.

This quarter, we have focused on refining the surveys and improving our data analysis. After reviewing the surveys conducted this summer, we made changes so that we could capture more quantitative data and learn more about how fishers perceive the management and effectiveness of the reserves. We received feedback about our list of indicators and preliminary results during our presentation in Quintana Roo and from our advisors here at UCSB. After speaking with several professors that specialize in quantitative analysis here at UCSB, we refined our data analysis. We are now confident in our analysis of biophysical and economic indicators.

We have created a timeline for the remainder of the tasks we want to complete by the end of this quarter. Our trip to El Rosario was very informative. We were able to refine our surveys further and plan to reduce the length of our surveys to facilitate implementation by COBI. We are going to update the scorecard for our results report to reflect the comments Fio made during our meeting. Our next goal is to send COBI and eternal advisors a table describing how we matched objectives with our indicators. Then, we will determine how to include governance indicators in our framework. We have spoken to Mar and will be looking into some of the methods she suggested (i.e. QCA). We will also be creating an outline for the guidebook that will walk the user through implementation of our framework. The guidebook will explain which analyses to perform and how to perform them so that the user can perform the analyses even without the Shiny app. The purpose of the Shiny app is to automate these analyses to facilitate data analysis. We plan to have a prototype of the app by the end of the quarter. Once a prototype has been created, we will have users test it to see if the interface is easy to use and understand.

We also have academic deliverables. We will be creating an outline of the final report by the end of this quarter. Next spring, we will have a final report, project brief, and project poster due. We will be having an academic defense on March 3rd or 10th and a public presentation on April 21st. We invite COBI and our external advisors to attend both of these events.