Aim for 20 min presentation

**Defense presentation outline!!!!!**

**Intro:**

-State the problem first, general problem in Mexico

-Describe the different type of reserves

-Our client came to us with a specific problem they have (evaluating effectiveness of no-take reserves)

-Objectives: 1. Determine a set of biophysical, socioeconomic and governance indicators that can be used to evaluate the effectiveness of no-take marine reserves in Mexico.  
  
2. Use the selected indicators to propose a framework for evaluating the effectiveness of no-take marine reserves in Mexico.  
  
3. Develop an English/Spanish guidebook with the selected indicators that walks the user through implementing our framework.

-Scope of our project was not to analyze the reserves

**Approach:**

List of indicators:

-Describe that have 3 groups: biophysical, socioeconomic and governance that are important to look at for x, y, z reasons and that the reserve would affect these indicators; just show table of indicators, don’t go through them individually; pulled from literature; use indicators for which we have a baseline; created a survey to fill in socioeconomic and governance data gaps

Selection of indicators:

-6 objectives pulled from reserves; one economic objective and example of what indicators would choose, one biophysical objective and example of what indicators should choose

Analysis:

-What type of analysis for descriptive (governance -> based on what expect from literature, alternative livelihood, natural disturbance) vs. vs. biophysical vs. economic

-Created Shiny App to automate analysis

App:

-Show how the app works (video record it ahead of time); use the app as an example of here is the objectives, here are the indicators selected, it automates the analyses previously described, produces a scorecard (describe the scorecard), don’t download the PDF report (just take screenshots) and then use subsequent slides to talk about the reviewing the results, why they might be occurring, and how to improve (recommendation for improvement)

-Limitations

Significance:

-COBI will use our framework to analyze the effectiveness of their reserves and make improvements; INAPESCA (Mexican government fisheries agency) might implement our framework as the go-to way of analyzing reserves; believe the framework is broad enough to apply to other places, especially with regards to the socioeconomic and biophysical indicators

-Thank everyone