**Important information:**

-Second Spring Review meeting from 11:30am-12:30pm on the Tuesday the 7th of June. Review meeting will be with us, Costello, and COBI.

**Agenda:**

-JC is returning with his arms full of data

-Two Spring Review Meetings

-Trip to Mexico

-MOU

-Cost-Benefit Analysis

-Shiny app

-Final meeting for quarter is Spring Review meeting on the 7th

**Data:**

-Loves it. Costello says he will let JC back in the group.

-He wants us to make plots of the data for the Spring Review meeting.

-Costello: Do a lot of data cleaning. Use R to query data.

**Spring Review Meetings:**

-Costello okay with two meetings. Do the second meeting on the 7th because it will allow Costello to meet with the client. 11:30am-12:30pm on the Tuesday the 7th of June

-June 1st Gavin, Mar, Fiorenza will be at the meeting on the first

-For both meetings:What project is about? What will be the results/deliverables?Don’t talk about details of what the indicators will be.

**Trip to Mexico:**

-November 11th (holiday); will talk about logistics later

-Contact COBI with that date

-6 of us would go (4 of us, Sean, Costello)

-Rent a UCSB van for Baja

**MOU:**

-Costello will check will Steve if COBI wants to make changes to the MOU

-We revised the MOU with Costello (just tightened up the language).

-Send MOU to COBI, but be sure to say that it is a draft

**Cost-Benefit Analysis in Work Plan:**

-Caio: Forgone benefit of fishing in that area.

-Ask LAFF professor what cost of implementation of reserves is.

-Us proposing to use CBA and DID analysis or actually doing it? Need to determine at June 7th meeting what COBI wants. Costello wants us to propose and do an example of those analyses. The deliverable is the approach/framework and want to make sure that they will be okay with that.

-Ability of fishers to use CBA and DID by hand is a concern. Need to determine at June 7th meeting what COBI wants. Is goal to empower fishermen to put data in and get results out? If so, make it simple. If it is what data fishermen need to input and then send to COBI for analysis, then it is a different story: can be more complex. Do actual results table for DID for COBI vs. for fishermen, have a good vs. bad.

-Do the fishers have data on the computer? Do they have an excel spreadsheet of data? Costello: Build the database. COBI can do what they want and then have something simple for fishermen. Jael recommends asking Gavin.

-Caio: do a decision-tree (less specific) for the guidebook

**Shiny App:**

-Mock version of what the Shiny app looks like by end of quarter. Don’t have to do it in R. Conceptual schematic of what we think the end result will be. What put in, what analysis goes in, what comes out, what interface looks like. A couple of powerpoint slides on this. Want to have this for our final meeting for the quarter.

-Pilot the shiny app in November with the fishermen and see if they have the ability to use it.

-Ask Gavin for advice.

-Do online Shiny tutorial.

-Sean will send files from NCEAS group tutorial if he has them.

-Sean willing to look over Shiny app.

*Objectives that can be achieved by Shiny app and not guidebook:*

-Collect data from each of sites that will be useful for analysis

-Provide real-time results for fishermen

-House data in a way that makes it useful for COBI

**Final meeting for quarter:**

-June 7th be our final meeting for the quarter.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For next week:**

Literature Review:

-All: assigned readings by JC

Trip to Mexico:

-All: Figure out logistics

-JC: Set the date with COBI

MOU:

-Caio: Send to COBI, but be sure to say it is a draft

Spring Review Meeting:

-Caio: Set up a room for the 7th meeting from 11:30am-12:30pm on the Tuesday the 7th of June; Add the date to Costello’s google calendar

Indicators:

-Caio and Jael: Revise list of indicators with Costello’s advice by list indicators by type (1, 2 or 3; see notes below), determine what counterfactuals are for type 1 indicators; revise list with COBI’s advice

Data and Analyses:

-Melaina and JC: Clean up the data sets, make plots of the data, make prototype of Shiny app (just what inputs, analyses, and outputs are), start example analysis

Miscellaneous:

-Caio and Melaina: Ask LAFF professor what cost of implementation of reserves.

**Running list of things to do:**

-Blog: First blog post: Jael write who we are, what we are going to do, write a short blog post, one paragraph. Second post: what sites will be working on (interactive map of location of sites), number of reserves, how big they are, about where they are, area protected, what fishers fishing; blog post every two weeks.

-Logo: Caio asked a friend, Melaina should ask a friend, Jael will come up with a design too.

-Jael and Caio: make list of deficiencies in the data COBI collects. Write a suggestion for what COBI what they should do this to improve data collection.

-All: figure out which of COBI’s controls are badly designed and suggest new controls

-Jael and Caio: survey design

**Running Questions:**

-Is COBI’s goal to use the guidebook/tool to inform changes in management or to say yes/no this reserve is successful? Does COBI want this tool to help itself or to help the fishermen or both?

-Does COBI wants us to provide a tool (or make suggestions) for what data to collect and indicators to analyze for current and future reserves or to for analyzing the effectiveness of reserves that already exist using data they already have or both?

-Does COBI want to use socioeconomic (and governance) indicators to help them select communities and/or does COBI want to know if reserves have improved socioeconomic condition?