**Faculty Advisor:**

Christopher Costello:

-Professor of economics here at Bren. He uses micro-economics, modeling, and empirical analysis to inform fisheries management and marine policy in countries such as Peru, Chile, Mexico, Cuba, Indonesia, China, Cambodia, and the USA.

**External Advisors:**

1. Mar:

(who you know and recommend we talk to)

2. Gavin McDonald:

-Sustainable Fisheries Group at Bren

-Works with Fish Forever (a partner between Rare, Environmental Defense Fund, and the Sustainable Fisheries Group at Bren)

-Fish Forever is creating a framework to evaluate the effectiveness of TURF-reserves in countries like Brazil, Indonesia, Mozambique, and the Philippines. They have created a list indicators to measure the social, economic, biological, ecological impact of the TURF-reserves.

3. Fiorenza Micheli:

~~-(Professor at Hopkins Marine Station at Stanford University)~~

~~-(Her research is focused on the resilience and adaptive capacity of coastal marine ecosystems to climate change).~~ As you may know, she has worked with COBI to conduct research on communities located Pacific side of the Baja Peninsula. ~~(She is interested in how her findings should be used to inform the evaluation and management of marine reserves).~~

**PhD Mentor:**

Sean Fitzgerald:

-PhD student here at Bren who will continue to provide technical assistance on our project next year.

-He has a lot of knowledge of statistics and using statistical programs.

-His research is focused on creating novel strategies for sustainable fisheries management when data is lacking.

**Academic deliverables:**

Master's Group Project, the capstone project that serves as the thesis for the Master of Environmental Science & Management degree

**Group Project** teams usually comprise three to five students who spend nine months collaborating to solve an actual environmental problem faced by a real-world client.

*ii. Academic deliverables*

* Work plan (focus of this semester, performed a literature review, created a data management plan, outlined our technical approach for the project, created a timeline to organize our work schedule (Gantt diagram as you had suggested), group management plan (setting expectations and ensuring good communication)
* Website (turfeffect.org)
* Academic defense presentation (either March 3rd or March 10th, which we welcome you to attend)
* Final report (late March)
* Project brief (both due late April)
* Project poster (due late April)
* Public presentation (April 28th, at a resort hotel in town; we welcome you to attend)

**Project scope:**

-Focus on the communities COBI has worked with in three regions: Pacific side of the Baja Peninsula, Gulf of California, and the Caribbean.

-Our focus will be on marine reserves can be no-take (fishing is off-limits), partially protected (extraction of specific species is not allowed), temporarily protected (only for a period of time) or a combination of temporal and partial protections.

**Objectives:**

-What you want us to do is: the following objectives

-Our understanding is that the guidebook will be used by COBI staff to run the analyses.

-We will be providing sample analyses from each of the three regions (Baja, Gulf of California, Caribbean) in the guidebook so that your staff has an example of how to perform the analyses.

-After this presentation, we would like to go over the timeline for deliverables one more time to make sure we are on the same page for the project (Costello asked us to do this; we will go over the Gantt diagram)

**Indicators:**

-Revising the list with your comments and our external advisors’ comments

-The meeting with our external advisors last week was very helpful. They provided us with some great suggestions of how to improve our selection of indicators.

**Shiny app:**

\*DO NOT MENTION R!!!!!!!!!!!!!!!

-A shiny app is an interactive webpage application that has a user-friendly interface.

-We will create the Shiny app (if we have time). It is free. You will not have to do any programing or installing. All you will need is internet access and the link to the webpage. Then you just upload your data, click a few buttons and it will run an analyses for you.