**Notes summarizing call Tingting/Paula sent by Paula Moreno - August 15, 2017**

We discussed high-level scope and needs for the project idea, as well as logistics to set up a collaborative platform for the project.

Conclusions:

* To our knowledge there haven’t been efforts to model the interaction of predator-dolphin-prey or to use baseline data to plug in the model => pursue this idea and for now keep it simple and use the output of the project (manuscript) to submit a proposal for funding that would allow us to expand on some aspects (e.g. spatial component, stochastic effects, shrimpers, other environmental variables).
* We should have good baseline data on prey, predators (sharks) and dolphin populations for the **MS Sound** and **Galveston Bay**. GCRL (Paula’s lab) has been monitoring the MS Sound for fish, including sharks. Paula conducted her PhD on bottlenose dolphin foraging patterns in the Galveston Bay and also has photo-ID data to develop demographic dolphin models (fyi will need to find help to conclude some of the data processing), as well as access to fish data (need to be updated). These two systems provide a very nice contrast in terms of exposure to the DWH oil spill and are also likely distinct in terms of predator pressure (higher in MS Sound).
* Roles: Tingting Tang would develop the mathematical model assisted by Paula Moreno (conceptual biological model; input on parameters, data, scenarios) and Amy Veprauskas (stability analysis).
* Next steps:
  + Tingting will set up a Github project to help coordination of tasks;
  + Start a Google spreadsheet to review literature on dolphin models (prey, predator, demographics). FYI Paula has recently reviewed bottlenose dolphin life history to parameterize a population model (in prep) so what we need now in terms of the biology are papers on prey, predators;
  + Paula won’t be available for another call until 5-6th September. In the meantime, Tingting will contact Amy to update her on our plans.
  + If possible we would have skype calls every 2 weeks to discuss status of project and issues regarding the model.