Chato - New code provided - Effort dynamics – scenarios where the F trajectory and consequences; potentially use different acceleration rates; different selectivity functions; different scenarios for depletion;

Coilin – parameters like steepness from Gislason is important; look at a specific community to ensure that it reflects the diversity in the area

Andy – what is the canonical set of tests that should be done? -> Aim not to have too large of a set of trials -> **Coilin and Chato to come up w/ a table and options for Seattle meeting – send out by email to the group that seems to be missing**

- What does the sampling table look like?
- Life history – (three life histories) -> Will this enable you to choose a best method?
- Management decisions that directly affect catch time series (Jim) (selectivity, effort dynamics, implementing a TAC although less common in a data poor fishery; introduction of new gear, boats or subsidies; one management scenario when there is almost no management; minimum landing size) -> how could the catch stream shape been generated etc? (Andy R.)

  -> Identify a few key patterns

  (Chato can then implement after the Seattle meeting)
- **Chato** – make list of inputs ; propensity scores difficult to incorporate -> need to be able to do the Costello method (age, L infinity, selectivity function w/ variance, plus group etc., depletion level, number of years to generate the stock for, acceleration rate for the effort dynamics)
- **Run Costello approach w/ smaller set that can be simulated (Dan O. + Andy C. to work w/Chato on this)**
- **How much structure do you need to put in the actual estimation model? (Andy R.)**

Jim – state space catch only model; including prior on final depletion (approaching DBRSA); wants to write up current work – get in touch if you want to be involved specifically on contributing to the manuscript in the following ways:

- Pdfs of effort dynamics (literature in economics)
- Theoretical properties w/ excel spreadsheet
- Model fitting to the RAM database
- R file – when is it well or poorly estimated using jags code

Andy C. – strong bias in stocks the RAM database; trying to understand how it can/cannot be used as a calibration tool; members suggested that interaction terms could/should be used

Kristin – finished a report to catch/ MSY compared to ecopath to ecosim for Oceana report (38 EEZ regions); still need to do the work w/ Carolina (B/BMSY)

Possible agenda items

Simulation testing – structure/ scenarios

What worked, what didn't, new directions

Effort dynamics