

### **Project Update: July 2007**

An initial analysis was done on 17-22 year data of 50 marine fish stocks from Davao Gulf, Leyte Gulf and Camotes Sea using comparative phylogenetic analysis. Regression analysis shows that there is a significant negative relationship between catch per unit effort (CPUE) and the life history maximum size at  $P = 0.003$ .

A fieldwork was recently completed in Pamilacan island and Balicasag island, both in Bohol, to cover human perception by fishers' interviews and focus group discussions. A total of 252 interviews and three focus group discussions were conducted in Pamilacan island while a total of 152 interviews and two focus group discussions were conducted in Balicasag island. Initial readings from the raw data reveal a declining reef fisheries trend since the 1980s in Pamilacan while a sustained reef fisheries since the 1980s, and possibly since the 1950s is indicated by the raw data of Balicasag island. Currently, a database is being constructed using Access for these datasets and following this is the statistical analysis using mixed modelling.