Elodie’s research will use Network Analysis (NA) to look at movement patterns, habitat use and functional connectivity of predator populations within inshore and offshore habitats. NA will be applied in conjunction with more traditional home range analysis methods to compare the outcomes between the different approaches and consequently produce a more complete picture of movement patterns, habitat use and connectivity. In addition, NA will provide an alternative approach to allow acoustic monitoring data to be analysed without the need to transform it into more traditional data formats.

Elodie’s project will examine the use of a Network Analysis approach, using predator population movement data within an inshore and an offshore area using acoustic monitoring. This will further our understanding of animal movement patterns, connectivity and habitat use.

Through the project, Elodie has gained valuable experience and mastered NA methods, progressing their application by adapting them to fit new situations. Excitingly, Elodie’s preliminary results suggest that NA can be adapted to look at movement patterns and habitat use of predator populations within inshore habitats.

Oral presentation at OCS 2013 conference in Brisbane.

Oral Presentation at AIMS@JCU seminar day 2013 in Reef HQ, Townsville.

Oral Presentation at SEES 2013 conference, School of Earth and Environmental Sciences, Townsville.