

Week 15 Reading Assignments**Lecture Notes:**

- For each of the two lectures write a summary paragraph (1/2 page double spaced at minimum for each lecture) describing in your own words what was covered.
- This Question has two parts:
 - A) Imagine you live in area that will be impacted by sea level rise or high king tides (look at the map in the lectures that show what will flood with 3 m of sea level). What would happen to your home and property if you lived on the ground floor in a single story dwelling?
 - B) What is the most threatening or scary aspect of climate change to YOU?
 - C) What can you do as an individual to combat climate change in your community?

Reading Assignment:

Aalbersberg, W, et al. eds. (1993) *Climate and Agriculture in the Pacific Islands: Future Perspectives*, Institute of Pacific Studies, Suva: 80 pp.

- Read Pages: 33-46
- Read Pages: 53-57

IPCC, (2014) *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part B: Regional Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Barros, V.R., C.B. Field, D.J. Dokken, M.D. Mastrandrea, K.J. Mach, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 688 pp.

- Read Pages: 1616-1626

Discussion Questions for Week 15Aalbersberg (pages 33-46)

- Why are coral reefs important with regard to the rest of the island ecosystem?
- What features of climate change, and their resulting physical effects, may impact reef ecosystems?

Aalbersberg (pages 53-57)

- What's the difference between "first-order" and "second-order" changes with regard to changes in sea level?
- In general is sea-level rising or falling in the Pacific? Which site has provided the best record, why?

IPCC (pages 1616-1626)

- Why is sea-level rise such a big issue for the small islands of the Pacific?
- Why is it difficult to detect and attribute changes on small islands to climate change?