Understanding Our Changing Climate Unit 5: Stakeholder Report

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*In this Stakeholder Report you will select a stakeholder or stakeholder group that will be impacted by sea-level rise (based on the work you did in Unit 1), pull on the geodetic data you utilized in Units 2, 3, and 4 to demonstrate what is known about the rates and causes of observed and projected sea-level rise, and provide a synthesis of the impacts of sea-level rise to your stakeholder.*

**Write your report for an educated audience but not well versed in the geosciences.** Avoid the use of scientific jargon, and if using a letter abbreviation be sure to define the abbreviation. It is anticipated that the Stakeholder Report will be 1000–2000 words long, and include 3–4 graphs from Units 2–4. Depending on the instructions provided by your instructor, you may also be compiling information from the units into an appendix at the end of the Stakeholder Report (see instructions at the end of this document).

The attached grading rubric provides details on assessment.

# Report Components

1. **Title**
   1. Title for the Stakeholder Report
   2. Author
   3. Date of preparation
   4. Audience the report is intended for/targeted to (in this case identify a relevant stakeholder that is at an appropriate level and who you think should be informed about the impacts of sea-level rise on the stakeholder.) This will be one of the stakeholders that were identified in Unit 1.
2. **Summary of the Stakeholder Report**  
   This will be a brief (200–400 word) summary of the report (similar to an abstract but written for your stakeholder and less technical), including a statement of the question(s) being investigated (e.g. how will sea-level rise impact xx stakeholder/s in xx location), the methods (geodetic techniques) and data that will be used (e.g., observed sea-level rise; ice mass loss), how much sea-level rise is projected this century, and a summary of recommendations to the stakeholder for addressing sea-level rise this century.
3. **Introduction**  
   Significance of the study. This section should provide a brief overview that includes that climate is changing, and a consequence of that change is sea-level rise. This section should include background information summarized from Unit 1 (for either the Maldives, Bangladesh, or southern California) of the impacts of sea-level rise for your stakeholder and location. Save recommendations for your stakeholder until the synthesis section of the Stakeholder Report.
4. **Data Overview**  
   Include data from Units 2–4 to demonstrate what is known about observed sea-level rise (how much sea-level rise is occurring), and what are the causes of the rise. This section should include 3–4 figures from the graphs you made in Units 2–4 demonstrating sea-level rise and its causes. Be sure to incorporate in this section:
   1. Summary of each of the geodetic techniques that you used (1–2 sentences describing each method).
   2. Observed trends in each data set
   3. The footprint of the observational technique (i.e., does the technique provide data at a point, or over a large area).
5. **Synthesis and Conclusions**  
   What are the implications of observed and projected sea-level rise on your stakeholder? Which of the various data sets provide critical information? What recommendations do you have for your stakeholder for mitigating or adapting to sea-level rise? Are there policies that should be put into place?
6. **References**Include any references that were used in writing the Stakeholder Report. These may be from the units, or additional sources that you consulted in writing the report.
7. **Appendices**If you want to refer to the units in more detail than the data and graphs that you have incorporated into the Stakeholder Report, you can include an optional appendix of the units.
   1. Unit 1 – Stakeholder Analysis plus completed work sheets and plots as appropriate
   2. Unit 2 – completed work sheets and plots as appropriate
   3. Unit 3 – completed work sheets and plots as appropriate
   4. Unit 4 – completed work sheets and plots as appropriate