Other global change impacts on ecosystems: Poster + Literature Review

Working in teams of 3 (see slide for assignments), review the literature on your assigned ‘other global change’ topic. I have provided two papers on the topic as a starting point. Based on your literature review, make an 11x17 inch poster (either portrait or landscape orientation) describing the ecological/environmental risks associated with your assigned ‘other global change’.

Literature review instructions: Find and review at least four papers related to your global change topic. You will find two papers to get you started in the Google Drive folder called “Directions ‘Other global changes’”. Use these papers as a starting point – you can include their information in your literature review/poster, but you should find at least four additional papers.

The literature review should include the full citation of each article followed by 2-3 bullet points describing the main points of the article. Use keyword searches in Google Scholar or Web of Science to find articles in addition to those cited in the papers provided. As you find more relevant articles, you can use Google Scholar to browse through articles that have cited it and/or look up articles that are cited by it. I don’t care which specific citation format you use, as long as they are consistent within the literature review and in citations on your poster. Make sure your names are on the literature review, and upload the final document here:

https://drive.google.com/drive/folders/0B9BQ6v0zZaUjV0dnWURyNTgxM00?usp=sharing

Poster instructions: I recommend creating the poster in powerpoint or Google slides, but the final poster should be saved as a .pdf and uploaded to the Google Drive dropbox here (make sure your names are on it!): https://drive.google.com/drive/folders/0B9BQ6v0zZaUjV0dnWURyNTgxM00?usp=sharing

The poster must contain factual information gathered from the peer reviewed literature (appropriately cited – you can use a short citation format and small text so that citations don’t detract visually). You may include or recreate graphs or other visuals from papers as long as they are cited. Your poster should address two main topics:

1. Describe the anthropogenic global change.
   • What are the causes and extents of the problem?
2. What are the ecological/environmental consequences of this global change?
   • What geographic location, ecosystems, or species are particularly at risk?
   • Are there any solutions that you can recommend?

Design your poster to hang in Holdsworth. Your target audience is students, faculty and staff in Holdsworth. You are free to be as creative as you wish with your message. Remember that people walking the halls won’t have lots of time to read text, so be pithy and concise. Make your visuals as interesting/striking/memorable as possible. If you use images from the internet or peer-reviewed papers, make sure the source is cited.
Poster/Lit Review Grading

50% presentation

- Is the poster intuitive, easy to read, information rich and understandable?
  - The poster presents a clear ‘take home message’
  - The poster presents visually appealing and intuitive figures and images (appropriately attributed)
  - All factual statements are cited
  - Text is clearly written and easy to understand

- Is the literature review consistently formatted? Are bullet points clear and easy to understand?

50% content

- Does the poster provide factual and well-supported information about causes and extents of risk as well as ecological/environmental consequences of your global change?
  - Scientific information is presented to identify the causes, extents and impacts of the global change

- Does the literature review provide relevant information for understanding the causes, extents and impacts of the global change?

On the day posters are due (10/17) we will be evaluating all posters as a class.

Come prepared to present the ‘take home message’ of your poster in class. We will look at the poster on the projector – your team should be ready to provide a general overview of your findings in a statement of ~100 words.