ESD.864
Problem Set #3
Due Session 13

<u>Applying Frameworks to Case Studies</u>

This assignment will allow you to practice applying the analysis frameworks we've covered in class so far to case studies of modeling and assessment for policy.

For this assignment, choose a scientific assessment process relevant to decision-making. You may choose a process that you've been involved in or interested in, or any one of the cases we've mentioned or read about in class.[1]

1. Describe your case. What is the decision process involved? What is the role for scientific or technical information in contributing to decision-making? Who are the major decision-makers and/or stakeholders?
2. Use the "Salience, Credibility, Legitimacy" framework (see Farrell et al., 2006) to evaluate your case. Select a decision-maker and/or stakeholder. Was the assessment process salient, credible and/or legitimate to that decision-maker/stakeholder? Why or why not? Reflect on whether this framework helps in understanding the effectiveness (however you might choose to define it) of the scientific assessment process you've chosen.
3. Describe the "boundary" between science and policy decision-making in your case. Was a "boundary organization" involved (per Guston, 1999)? If so, describe it and assess its effectiveness. If not, would a boundary organization have been useful, and if so, what might its role and mandate be?
4.   Was an adaptive management approach taken at any time during the assessment and decision-making process? If so, describe it and assess its effectiveness. If not, would any of the principles of adaptive management have been useful? Why or why not?

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[1] Whether or not you choose your own case, please provide citations/bibliography where appropriate in your answers. If case-specific information comes from your own experience or someone you've personally communicated with, say so.

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