The detection and attribution of human influence on climate

- For *Annual Review of Environment and Resources*
- Me, Myles, Peter, Toru, others
- General review of what D&A is and status, not review of literature
  - The standard direct approach
  - Detection and attribution of changes in non-climate quantities
  - Attribution of weather risk
- Second deadline is Monday
**End-to-end**

Forcings

\[ \text{Climate model} \]

Forcings

\[ \text{Ecological model} \]

Observations

\[ \text{Analysis} \]

**Sequential**

Forcings

\[ \text{Climate model} \]

Forcings

\[ \text{Analysis} \]

Observations

\[ \text{Observed weather} \]

\[ \text{Observed weather} \]

\[ \text{Ecological model} \]

Observations

\[ \text{Analysis} \]

\[ \text{Analysis} \]

\[ \text{Combined analysis} \]

\[ \text{Synthesis} \]