IAV at NSF

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Outline

- NSF's nature
- IAV at NSF
- Trends
- Opportunities

NSF's Purpose

- Not a mission agency
- Goal is to support basic research
- Two funding criteria
  - Intellectual merit (*sine qua non*)
  - Broader Impacts (tiebreaker)
- Metric of success? Long-term

NSF Methods

- Grants
- Standard disciplinary competitions
  - "bottom up" approach
  - Semi-annually
- Co-funding across programs
- Centers (e.g., DMUU for Climate Change)
- Special solicitations (e.g., CHI)

Every Research Directorate Supports Urban IAV Research

- BIO (e.g., Phoenix LTER)
- CISE (e.g., interoperability)
- EHR (e.g., curricula, informal education)
- ENG (e.g., sensors, NEES, IMEE)
- GEO (e.g., NCAR, hydrology)
- POLAR (ok, not urban)
- SBE (e.g., decision tools, perceptions and behavior, incentives, organizational behavior)

Consequences

- It’s all about the science
- Level of support depends upon proposals
- Lack of coordination and focus
- No prioritization across programs or directorates for IAV research

Trends

- Increasing inter-directorate cooperation
  - Dynamics of Coupled Natural and Human Systems
  - Environment, Society, and Economics
- The observatory craze
  - RAVON
  - WATERS (MREFC)
  - Workshop on social science questions
- Increasing inter-agency cooperation

Opportunities

- EPA-NSF-? annual environmental survey
- NSF climate change initiative
- WATERS
- Good funding situation (for now)
- Open system