Scientific Premise

scientific premise. the research that is used to form the basis for the proposed research question(s)

Significance

significance. a demonstration of the "importance" of the project and how the field, the world, and existing knowledge will improve and/or change if the research is performed
Scientific Premise versus Significance

- **Significance:**
  - Importance of problem
  - Barriers to progress
  - How project will improve knowledge
  - How field will change after project

- **Premise:**
  - Retrospective consideration of the foundation for the application
  - NOT a prospective analysis should the aims be achieved!
Scientific Premise is NOT

- The Rationale for the research
- Your Hypothesis regarding outcomes
- The perceived importance of the project
- Data supporting the feasibility of the project
Scientific Premise

- The scientific premise of an application is *the strengths and weakness of the data and previously performed work upon which the proposal is based*.

- Scientific premise includes a *retrospective consideration of the foundation for the application*, rather than a prospective analysis should the aims be achieved.