RUI: VOSS: Computational Tools, Virtual Organizing, and Dynamic Innovation Diffusion

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How would you categorize yourself?

- **A Scientist-Developer**
  A domain scientist who develops his/her own computational tool.

- **A Technologist**
  A computer/computational scientist who develops a tool for domain scientists.

- **A Co-Producer**
  A domain scientist who works with a technologist to co-develop a tool.

- **An Administrator**
  Provides leadership and management for a center, institute, and/or national laboratory.

- **An Adopter of Existing Tools**
  A domain scientist who simply adopts an existing tool.

- **Other / Multiple Roles**
  (please explain)
A Cyberinfrastructure-Enabled Virtual Organization that brings dispersed scientists, technologists, computational tools, big data, remote instruments, etc. together in an e-science project.

**RQ1:** In e-science, what activities constitute the iterative and co-occurring development and use of computational tools in virtual organizations?
A Cyberinfrastructure-Enabled Virtual Organization that brings dispersed scientists, technologists, computational tools, big data, remote instruments, etc. together in an e-science project

**RQ2:** What interactions (linking people-people, object-object, & people-object) mutually constitute the co-occurrence of tool implementation and virtual organizing in e-science?

Examples: People (e.g., PIs, technologists, funders, students, etc.), Objects (e.g., data, tools, HPC, etc.), Interactions (e.g., connections, collaboration, communication, etc.)
RQ3: What macro conditions affect the attributes of a computational tool and the attributes of the inception virtual organization (VO), which, in turn, influence whether a tool successfully gets adopted and/or diffuses from one VO to another?