Experimenter Tools & Services WG Report Out

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- **Results of survey on use of GENI for research and education at 4-year and minority colleges (Paoli Wognakou, Langston U.)**

- **New CF features**

  - **ORCA – Global Actor Registry to discover aggregate managers, etc. (Anirban Mandal)**

  - **ProtoGENI – Demo of Emulab tools that are being ported to ProtoGENI (Rob Ricci, Utah)**

  - **ORBIT – Better support for analysis, education in OMF (Max Ott, NITCA)**

- # Update on tools
  - GUSH experiment control tool – integration with Raven, other CFs
  - ProtoGENI measurement tool (Charles Thomas, U. Wisconsin)
  - Million Node GENI experiment control tools (Justin Cappos, U. of Washington)
  - TIED tool for controlling federated experiments (Ted Faber, USC ISI)
- # Services
  - ABAC service

- **Distinction between tools and services**
  - Services run outside a slice and are shared by multiple experiments/slices
  - Tools are invoked on a per slice/experiment basis
- **Services currently available**
  - Lookup service
  - Update service – Raven
  - ABAC (under construction)
  - Scaffold (under construction)
  - Storage services
    - Digital Object Repository service for use in managing experimental resources
    - Cloud storage services