IMF: Integrated Measurement Framework

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IMF Goals

- Create a framework for collecting real-time measurement data in a slice
- Usable for closed-loop experiment control
- Focus on physical layer measurements and cross-layer experiments
- Integrate with ORCA and other control frameworks

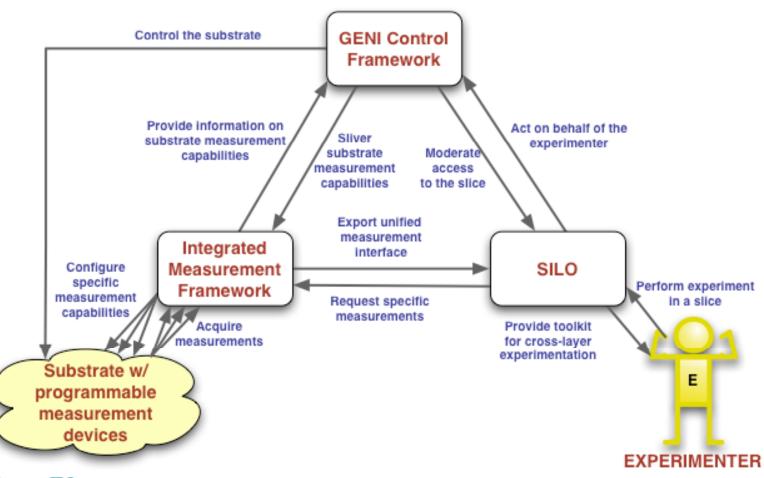


IMF Partnerships

- ERM: Columbia GENI project
 – source
 of measurement information
- SILO: NCSU/RENCI NSF FIND project
 - cross-layer experiment tool
- LEARN
- ORCA-BEN:
 - ORCA integration
 - Measurement substrate resource description



IMF Vision





IMF Spiral 2 objectives

- Architecture document
- Initial integration between ERM and SILO and IMF
- Initial integration between IMF and ORCA
- Showcase a cross-layer experiment in July 2010
 - Real-time optical substrate data from ERM
 - SILO user-facing experimental protocol framework
 - BEN substrate

