

Transition to Practice and Innovation Panel

NSF Campus Cyberinfrastructure PI and Cybersecurity
Innovation for Cyberinfrastructure PI Workshop

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Experiences with Innovation Transition

- **Primary approach has been to transition research project open source software to R&E operational use, managed by NOC.**
- **Typically requires a highly skilled operational team to transition to, and availability of the research project team to support**
- **Technology transfer via close personnel coordination**
- **Experience across multiple research projects and organizations with this model**

Experiences with Innovation Transition

- **Example project transitions**
 - **DRAGON Project: transitioned to GRNOC NOC running on Internet2's HOPI (~2005-2007) and Dynamic Circuit Network (~2007-2010)**
 - **GENI DCN Aggregate Manager: transitioned to the GENI Operations Center for Internet2 ION control (~2012-2015)**
 - **GENI Stitching Computation Service: transitioned to the GENI Operations Center for GENI operations (~2014-current)**
- **In Progress**
 - **Software Defined ScienceDMZ: working on transitioning this open source project to UMD/MAX operations -> github.com/MAX-UMD/versastack.community**

Experiences with Innovation Transition

- **This model is good if the desire is to get a new functionality out there quickly to test and evaluate.**
- **Can be sustainable if organizations commit to maintaining proper staff expertise level**
- **There is a gap in moving from this type of transition to a general availability commercial grade product**
- **University supported technology transfer, venture capital, other government funding are several options**
- **We may try one of these in the future**