

DRAFT - Research Council Roadmap - November 2018

Strategic goal # 2. Research - OneIT will enable and accelerate research and interdisciplinary collaboration by providing a campus-wide framework that is responsive to the needs of the research community.

| Strategy | Focus Areas | 1H - FY19 (Jul - Dec 2018) | 2H - FY19 (Jan-Jun 2019) | 1H - FY20 (Jul - Dec 2019) | 2H - FY20 Jan - Jun 2020) | Comments | overlap or interdependency with other council domain | Priority: Level 1: high priority; high commitment Level 2: subject to longer timeframe if constraints increase/shift | |
|---|---------------------|--|---|---|---|--|--|---|---------|
| A. Provide robust research computing infrastructure, services, and training that meet current and future needs of the research community. | HPC | Hire two staff to backfill HPC vacancies. (J. Hetrick) | Onboard new staff. (J. Hetrick) | | | | | Level 1 | |
| | | Prepare for implementation of new HPC model. (G. Johnson) | Implement new HPC model. (G. Johnson) | Define next set of HPC compute nodes with input from community and begin deployment. (J. Hetrick) | Evaluate new HPC model and modify as needed. (J. Hetrick) | Neon compute nodes decommissioned - January 2021 | | Level 1 | |
| | Data Analytics & AI | | Glenn Johnson begins transition towards focus on Research Software Support (including AI). (J. Hetrick) | Glenn Johnson completes transition while retaining HPC architecture role. (J. Hetrick) | | | | | Level 1 |
| | | | Kang Lee transitioned to focus on supporting campus Data Analytics & AI. (B. Rogers) | | | | | | Level 1 |
| | | Hire interactive systems lead. (J. Hetrick) | Onboard interactive systems lead. (J. Hetrick) | | | | | | Level 1 |
| | | Additional GPU accelerator type support in HPC. (J. Hetrick) | High end machine learning platform deployed. (M. Kinley) | New data analytics platforms deployed. (K. Lee/TBD) | Evaluate uptake of platforms and modify as needed. (K. Lee/TBD) | | | | Level 1 |
| | Version Control | Complete Github service review. (S. Ramadugu) | Implement changes based on service review. (S. Ramadugu) | | | | | Level 1 | |
| | Data Storage | | Joint service review of Research Data Storage & Large Scale Storage services. (B. Rogers/J. Hetrick) | Findings of service review implemented. (B. Rogers/J. Hetrick) | | | | Level 2 | |

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|--|--|---|--|--|---|--------------------------------------|--|---|
| B. Identify and execute projects that decrease administrative burden on the research community. | Simplifying HPC accounts | | Single HPC accounts for campus users implemented. (G. Johnson) | | | | | Level 1 |
| | | C. Develop a campus-wide framework of IT support and services for supporting research. Recognize the diverse, unique needs of research and scholarly work, and simplify and improve the experiences of all partners in the research enterprise. | Reorganize the Research Services Team to accommodate growth and better position for greater OneIT integration. | Develop and implement new org structure. (B. Rogers) | Evaluate effectiveness of new structure and adjust as required. (B. Rogers) | | | |
| Develop and implement strategies that provide improved opportunities for OneIT staff to grow their careers in Research Computing. (J. Hetrick/B. Rogers) | | | | | | Collaboration opportunity with SPARK | Level 2 | |
| Hire two Campus Engagement Team staff. (B. Rogers) | Onboard new staff. (B. Rogers) | | | | | | Level 1 | |
| Hire four Advanced Computing Systems Staff. (J. Hetrick) | Onboard new staff. (J. Hetrick) | | | | | | Level 1 | |
| Developing a OneIT Research Support Framework. | Begin campus conversation about roles and research IT support framework. (B. Rogers) | | Review findings of campus conversation, determine next steps, and implement. (B. Rogers) | | | | In collaboration with IT evolution goal | Level 2 |
| | Explore opportunities to better integrate specialized research systems support with CCOM. (B. Knosp/B. Rogers) | | | | | | Level 2 | |
| | Review mechanisms for improving inclusion of OneIT staff in Research Computing decisions. (B. Rogers) | | Implement identified changes. (B. Rogers) | | | | | Level 2 |

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|---|------------------------|--|--|--|---------------------------|----------|---|---|
| D. Develop and improve services that remove barriers to research collaboration. | Globus Data Sharing | Complete review and purchase of Globus. (B. Rogers) | Globus deployed. (J. Hetrick/TBD) | | | | | Level 2 |
| E. Increase awareness and adoption of available research services and technologies. | Improve communications | Joint hire Research Services and Informatics Initiative for temporary Communications Manager. (B. Rogers) | Onboard staff member and begin development of communications plan. - (B. Rogers) | Execute communications plan. (B. Rogers) | | | | Level 1 |
| F. Develop research analytics and business intelligence (BI) tools to help guide the university research portfolio. | | Create new research administration reporting system for Pre-Award data and integrate into existing systems for ease of discovery and use. (J. Jimenez) | Aggregate pre- and post-award data plus other relevant research-related data to create a comprehensive research administration dashboard and serve as a platform for more advanced analytics. (J. Jimenez) | Develop Research Profile data dashboard, visualizations, and analytics. (J. Jimenez) | | | Cross listed with Administrative/Data Systems Council | Level 1? |