IT Engagement in Research: Survey Questionnaire

Thank you for participating in the study being conducted by the EDUCAUSE Center for Applied Research (ECAR). This survey is a critical part of the study and seeks to understand the roles of information technology in research at colleges and universities. Our testing suggests that it will require 30–40 minutes to complete. If you wish to print a copy of the survey before completing it online, a .pdf version is available at <http://www.educause.edu/ir/library/pdf/ecar_so/ers/si/esi05f.pdf>.

This survey is part of research ECAR is conducting into the role of information technology in research at colleges and universities. It seeks to understand what they have and how they manage the key components of their IT research infrastructure, including networks, computing, facilities, data storage, and support. Researchers will identify trends in IT engagement in the research effort, as well as innovative practices for improving an institution’s research capacity.

As you work on the survey, we encourage you to consult with other offices, such as Research and the Provost.

Our survey software now has some new features that address requests from our constituency:

> **PRINTING.** To print a blank copy of the survey before completing it, click “Printable version of this survey” in the header. Once you have completed the online survey, you can print your responses by clicking the “Review” button at the end of the survey.

> **SAVING PARTIALLY COMPLETED SURVEYS.** The survey need not be completed at a single sitting. To save and return to a partially completed survey, set a Favorite (Bookmark) for the survey and then click the SAVE button. If cookies are enabled, when you return to the survey you will be taken to the place you left off.

> **REVIEWING, REVISING and SAVING RESPONSES.** You may review your answers before clicking the “Finish” button to submit your response. Click the “Review” button to review, print, and save responses.

Please complete this survey by Tuesday, August 9, 2005. As thanks for your time and valuable input, each participant is entitled to receive a summary of key findings from the study. In addition, three survey respondents will be selected at random to receive a complimentary copy of the final report or, for ECAR subscribers, one complimentary admission to an ECAR Research Symposium.

We appreciate your time and participation. If you have any questions or concerns, please e-mail <ecar@educause.edu>.

Click the Next button to begin the survey. Once again, thank you for your input!
Section 1: About You and Your Institution

1.1 Survey ID [Required]

1.2 Your name [Required]

1.3 Your position [Required] [Select all that apply.]
- [ ] CIO (or equivalent)
- [ ] Vice president/vice provost or equivalent (non-CIO)
- [ ] Director of administrative computing
- [ ] Director of academic computing
- [ ] Director of research computing
- [ ] Other IT management
- [ ] Other administrative management
- [ ] Other academic management

1.4 How many years have you worked at your current institution? [Drop-down choice starting at less than one year and incrementing by one to 20 years, then to more than 20 years]

1.5 The senior-most IT leader reports to:
- ( ) President/chancellor
- ( ) Provost/chief academic officer
- ( ) Chief business officer
- ( ) Chief officer responsible for research
- ( ) College or university librarian
- ( ) Other administrative officer
- ( ) Other academic officer

1.6 Which statement best describes your institution?
- ( ) Research and teaching are the primary missions, but research is what really drives faculty and institutional success.
- ( ) Research and teaching are both primary missions, and they are equally important for faculty and institutional success.
- ( ) Teaching is the primary mission, but faculty research is rewarded.
- ( ) Teaching is the primary mission, and faculty research does not factor heavily in faculty and institutional success.

1.7 Which statement best describes your institution’s aspirations for academic research reputation?
- ( ) Our leadership has made our overall reputation for research an explicit and funded priority.
- ( ) Our leadership has identified key areas for research excellence and is focusing attention and resources in these areas.
- ( ) Our research reputation is largely left to faculty motivation, innovation, and grantsmanship.
- ( ) Our leadership is currently not pursuing any specific strategies to enhance our academic research reputation.

1.8 How would you rate your institution’s reputation for academic research?
- ( ) World class
- ( ) Excellent
- ( ) Good

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1.9 Which statement best characterizes the current overall organizational climate at your institution?
( ) Stable (change is slow or rare)
( ) Dynamic (change is continuous, orderly, planned, and navigable)
( ) Volatile (change is episodic, discontinuous, and requires care)
( ) Turbulent (change is often driven by events, is unpredictable, and can disrupt ongoing operations)

1.10 Does your institution have a medical school or health sciences center?
( ) No
( ) Yes

1.11 Do you have a vice president/chancellor for research (or equivalent)?
( ) No
( ) Yes

1.12 How are the central IT organization(s) at your institution organized?
( ) Report to a single IT officer (e.g., CIO or equivalent)
( ) Report to different IT officers, but to the same cabinet-level executive
( ) Report to different cabinet-level executives

1.13 In the past three years, the level of research contracts and grants at my institution has decreased/increased:
[Drop-down menu with a range from Less than -15% to More than 50% in 5% increments]

1.14 In the past three years, computation-intensive research at this institution has:
( ) Greatly decreased
( ) Decreased
( ) Stayed the same
( ) Increased
( ) Greatly increased
( ) Don’t know

1.15_1.23 To what extent do you agree with the following statements?
( ) Strongly disagree ( ) Disagree ( ) Neutral ( ) Agree ( ) Strongly agree ( ) Don’t know

[ ] 1.15 My institution places high priority on research.
[ ] 1.16 My institution places high priority on the use of information technology for research.
[ ] 1.17 My institution places high priority on recruiting faculty who will do research.
[ ] 1.18 My institution places high priority on inter-disciplinary research.
[ ] 1.19 My institution places high priority on multi-institutional research.
[ ] 1.20 My institution places high priority on undergraduate research.
[ ] 1.21 My institution does a significant amount of federal and state sponsored research.
[ ] 1.22 My institution does a significant amount of corporate and foundation sponsored research.
[ ] 1.23 The president/chancellor of my institution is well-known in his/her field for his/her research.
Section 2: Institutional Perspectives on IT Support for Research

2.1 Does your central IT organization(s) have a distinct unit with the explicit mission of supporting faculty, clinicians, or other researchers with their research needs?
( ) Yes  
( ) No  
( ) Don’t know

2.2 How many central IT full time staff (FTE) are currently assigned to the support of research?  
(Drop-down menu of Fewer than 1, 1, 2, … more than 25)

2.3 Does your institution have an officially-designated Office of Research? [Required]
( ) Yes   (proceed to 2.4_2.12)  
( ) No   (proceed to 2.14)  
( ) Don’t know  (proceed to 2.14)

2.4_2.12 What are the responsibilities of the Office of Research? [Select all that apply.]
[ ] 2.4 Assistance to researchers on pre-award grant and proposal writing  
[ ] 2.5 Assistance to researchers on post-award grant management  
[ ] 2.6 Assistance to researchers on IT tools and methodologies  
[ ] 2.7 Assistance to researchers on the selection and use of technology  
[ ] 2.8 Assistance to researchers on regulatory affairs (including human and animal subjects)  
[ ] 2.9 Formation and promulgation of institutional policy on research  
[ ] 2.10 Management of relationships with other institutions and consortia on research issues  
[ ] 2.11 Other

2.12 Please describe “other” (optional)

2.13 How would you characterize the central IT organization(s)’ relationship with the Office of Research?
( ) We are integral to one another’s success and work together at every opportunity  
( ) We maintain a close working relationship and coordinate our activities on a regular basis  
( ) We coordinate our activities as necessary when common issues arise  
( ) We operate independently

2.14 In the past three years, the number of central IT staff who support research has:
( ) Greatly decreased  
( ) Decreased  
( ) Stayed the same  
( ) Increased  
( ) Greatly increased  
( ) Don’t know

2.15 In the next three years, the number of central IT staff who support research is expected to:
( ) Greatly decrease  
( ) Decrease  
( ) Stay the same  
( ) Increase  
( ) Greatly increase  
( ) Don’t know
2.16 In the past three years, the number of IT staff in the schools, centers, and departments who support research has:
( ) Greatly decreased
( ) Decreased
( ) Stayed the same
( ) Increased
( ) Greatly increased
( ) Don’t know

2.17 In the next three years, the number of IT staff in the schools, centers, and departments who support research is expected to:
( ) Greatly decrease
( ) Decrease
( ) Stay the same
( ) Increase
( ) Greatly increase
( ) Don’t know

2.18 Improved collaboration, governance, and decision-making over total (central and departmental) IT spending for research would lead to significantly higher quality research.
( ) Strongly disagree
( ) Disagree
( ) Neutral
( ) Agree
( ) Strongly agree
( ) Don’t know

2.19_2.28 How does your central IT organization engage with researchers around the IT aspects of their work? [Select all that apply.]
[ ] 2.19 There is no formal engagement with faculty around research-related IT
[ ] 2.20 A single formal research advisory or working group
[ ] 2.21 Multiple advisory or working groups organized around shared research problems or methods
[ ] 2.22 Multiple advisory or working groups organized around computing platforms
[ ] 2.23 Ad hoc consultations on an as-needed basis
[ ] 2.24 Open meetings for all researchers to provide input on research-related IT needs
[ ] 2.25 Regular meetings with deans, chairs, and heads of institutes regarding research-related IT needs
[ ] 2.26 Surveys to colleges, departments, or researchers regarding research-related IT needs
[ ] 2.27 Formal consultations supported by specific research grants
[ ] 2.28 Regular and active informal networking by central IT staff with researchers

2.29_2.39 If your institution has a research advisory group(s) that addresses research IT issues, in which of the following activities does it engage? [Select all that apply.]
[ ] 2.29 My institution does not have such an advisory group(s)
[ ] 2.30 Identifying research-related IT needs of faculty and others
[ ] 2.31 Setting priorities among competing research-related IT needs
[ ] 2.32 Coordinating central, school, center, and department IT resources related to research
[ ] 2.33 Allocating central IT resources for research support
[ ] 2.34 Addressing policy issues, such as intellectual property
[ ] 2.35 Establishing standards for research-related technologies
[ ] 2.36 Establishing service levels for central IT organization(s) for research-related IT support
2.37 Requesting funds for research IT from central administration
2.38 Providing oversight of consortia and partnerships related to IT
2.39 Other

2.40 Does your institution engage in long-term planning exercises to determine researchers’ needs for IT infrastructure and support services?
( ) No
( ) Every year
( ) Every 2–3 years
( ) Every 4–5 years
( ) Every 6–10 years

2.41–2.46 What are the two strongest drivers for your institution’s overall investment in IT related to research? [Select up to two]
( ) 2.41 No drivers for IT investment in research
( ) 2.42 Current demand for research support from the faculty
( ) 2.43 Projected demand for research support from the faculty
( ) 2.44 CIO interest in supporting research
( ) 2.45 Institutional goals, priorities and strategic directions
( ) 2.46 Economic development (e.g., regional growth and employment)

2.47–2.54 What are the most significant barriers to overall investment in research-related IT?
[Select up to two]
( ) 2.47 No barriers to IT investment for research
( ) 2.48 Lack of institutional funding
( ) 2.49 Lack of external funding (e.g., grants)
( ) 2.50 Higher IT priorities
( ) 2.51 No internal faculty constituency
( ) 2.52 Lack of staff expertise in central IT organization
( ) 2.53 Lack of staff expertise in schools, centers, and departments
( ) 2.54 Lack of alignment with the institutional mission

2.55–2.64 In the past three years, the following activities at your institution have:
( ) Greatly decreased ( ) Decreased ( ) Stayed the same ( ) Increased ( ) Greatly increased
( ) Don’t know

( ) 2.55 Interdisciplinary research
( ) 2.56 Multi-institutional research
( ) 2.57 Computational research in traditionally non-computing-intensive disciplines (e.g., humanities)
( ) 2.58 The number of faculty engaged in research
( ) 2.59 Partnerships with the private sector
( ) 2.60 Use of remote instrumentation
( ) 2.61 Use of high-performance computing
( ) 2.62 Use of high-performance networking
( ) 2.63 Amount of data storage
( ) 2.64 Use of online library resources

2.65–2.74 In the next three years, the following activities at your institution are expected to:
( ) Greatly decrease ( ) Decrease ( ) Stay the same ( ) Increase ( ) Greatly increase ( ) Don’t know
2.65 Interdisciplinary research
2.66 Multi-institutional research
2.67 Computational research in traditionally non-computing intensive disciplines (e.g., humanities)
2.68 The number of faculty engaged in research
2.69 Partnerships with the private sector
2.70 Use of remote instrumentation
2.71 Use of high-performance computing
2.72 Use of high-performance networking
2.73 Amount of data storage
2.74 Use of online library resources

2.75-2.84 In the past three years, which three disciplines have displayed the fastest growth in demand for central IT infrastructure and support services for research? [Select up to three]
2.75 Physical sciences
2.76 Biological and life sciences
2.77 Social sciences
2.78 Humanities
2.79 Fine arts
2.80 Engineering
2.81 Computer sciences and mathematics
2.82 Medicine
2.83 Business
2.84 Education

2.85-2.94 Currently, which three disciplines generate the greatest demands for central IT infrastructure and support for research? [Select up to three]
2.85 Physical sciences
2.86 Biological and life sciences
2.87 Social sciences
2.88 Humanities
2.89 Fine arts
2.90 Engineering
2.91 Computer sciences and mathematics
2.92 Medicine
2.93 Business
2.94 Education

2.95-2.104 Which disciplines regularly provide the central IT organization with input and guidance on their research-related IT needs for infrastructure and support services? [Select all that apply.]
2.95 Physical sciences
2.96 Biological and life sciences
2.97 Social sciences
2.98 Humanities
2.99 Fine arts
2.100 Engineering
2.101 Computer sciences and mathematics
2.102 Medicine
2.103 Business
2.104 Education
2.105 To what extent is central IT consulted in the pre-award process of contracts and grants to identify IT needs and resources?
( ) Never
( ) Rarely
( ) Sometimes
( ) Often
( ) Always
( ) Not applicable
( ) Don’t know

2.106 To what extent is central IT consulted in the faculty and researcher hiring process to identify their IT needs and resources?
( ) Never
( ) Rarely
( ) Sometimes
( ) Often
( ) Always
( ) Not applicable
( ) Don’t know
Section 3: IT Infrastructure and Support for Research

3.1 What is the total bandwidth available on your institution’s backbone(s)?
( ) Don’t know
( ) Less than 10 Mbps
( ) 10 to 100 Mbps
( ) 101 to 155 Mbps
( ) 156 to 499 Mbps
( ) 500 to 999 Mbps
( ) 1 Gbps to 4.99 Gbps
( ) 5 Gbps to 10 Gbps
( ) More than 10 Gbps

3.2 Central IT at my institution offers researchers a standard data storage capacity of:
( ) The institution does not provide research data storage services centrally.
( ) Up to 100 GB
( ) 101 to 500 GB
( ) 501 GB to 1TB
( ) More than 1TB

3.3-3.6 Which of the following licensed information content is routinely provided to researchers by your institution? [Select all that apply.]
[ ] 3.3 Proprietary databases (e.g., Lexus/Nexus, Dunn and Bradstreet)
[ ] 3.4 Scholarly journals
[ ] 3.5 Archive services such as JSTOR
[ ] 3.6 Government databases

3.7 How would you rate your IT infrastructure in terms of its ability to support research?
( ) World class
( ) Excellent
( ) Good
( ) Fair
( ) Poor
( ) Don’t know

3.8 Which of the following best describes your institution’s approach to IT platform standards for the research infrastructure?
( ) Central IT publishes supported platform standards and is rigorous in enforcing them.
( ) Central IT publishes supported platform standards and hopes that faculty and researchers will adhere to them.
( ) Central IT does not publish supported platform standards related to research infrastructure.

3.9 In the past three years, the difficulty of enforcing IT platform standards for research has:
( ) Greatly decreased
( ) Decreased
( ) Stayed the same
( ) Increased
( ) Greatly increased
( ) Don’t know
( ) Not applicable
3.10 In the **next three years**, the difficulty of enforcing IT platform standards research is expected to:
( ) Greatly decrease
( ) Decrease
( ) Stay the same
( ) Increase
( ) Greatly increase
( ) Don’t know
( ) Not applicable

3.11_3.13 Where does responsibility lie for the following IT infrastructure elements related to research? [Drop-down menu.]
( ) Almost all central IT
( ) Mostly central IT/some school, center, and department IT
( ) Equally shared between central IT and school, center, and department IT
( ) Mostly school, center, and department IT/some central IT
( ) Almost all school, center, and department IT
( ) Element not provided either by central IT or by school, center or department IT
( ) Don’t know

[ ] 3.11 Networking
[ ] 3.12 High-performance computation
[ ] 3.13 Data storage

3.14_3.25 Which IT organization(s) are responsible for providing the following research-related IT support services? [Drop-down menu.]
( ) Almost all central IT
( ) Mostly central IT/some school, center, and department IT
( ) Equally shared between central IT and school, center, and department IT
( ) Mostly school, center, and department IT/some central IT
( ) Almost all school, center, and department IT
( ) Service not provided either by central IT or by school, center or department IT
( ) Don’t know

[ ] 3.14 Selection and use of standard research applications (e.g., SPSS, research databases, etc.)
[ ] 3.15 Software application programming and development
[ ] 3.16 Selection and use of research tools (e.g., visualization, data mining, statistical analysis, etc.)
[ ] 3.17 Providing collaboration tools (e.g., videoconferencing, whiteboarding)
[ ] 3.18 Data archive migration through media and software evolution
[ ] 3.19 Software lifecycle management (e.g., upgrades, version control)
[ ] 3.20 Training classes (e.g., on database use, security, digital video)
[ ] 3.21 IT consulting services (e.g., issue-specific problem-solving)
[ ] 3.22 Hosting services for individual researchers’ servers
[ ] 3.23 Development and maintenance of Web sites that are related to their research
[ ] 3.24 Maintaining vendor contracts for hardware and software purchases
[ ] 3.25 Planning for IT infrastructure for research in new facilities

3.26_3.39 Which of the following research-related IT services does the central IT organization actively coordinate with schools, centers, or departments? [Select all that apply.]
[ ] 3.26 Selection and use of standard research applications (e.g., SPSS, research databases, etc.)
[ ] 3.27 Software application programming and development
[ ] 3.28 Selection and use of research tools (e.g., visualization, data mining, statistical analysis, etc.)
[ ] 3.29 Providing collaboration tools (e.g., videoconferencing, whiteboarding)
[ ] 3.30 Data archive migration through media and software evolution
[ ] 3.31 Software lifecycle management (e.g., upgrades, version control)
[ ] 3.32 Training classes (e.g., on database use, security, digital video)
[ ] 3.33 IT consulting services (e.g., issue-specific problem-solving)
[ ] 3.34 Hosting services for individual researchers' servers.
[ ] 3.35 Development and maintenance of Web sites that are related to their research
[ ] 3.36 Maintaining vendor contracts for hardware and software purchases
[ ] 3.37 Planning for IT infrastructure for research in new facilities.
[ ] 3.38 Other

3.39 Please describe “other” (optional).

3.40_3.51 For which IT support services is your central IT organization(s) experiencing the fastest growth in demand from researchers? [Select up to three]
[ ] 3.40 Selection and use of standard research applications (e.g., SPSS, research databases, etc.)
[ ] 3.41 Software application programming and development
[ ] 3.42 Selection and use of research tools (e.g., visualization, data mining, statistical analysis, etc.)
[ ] 3.43 Providing collaboration tools (e.g., videoconferencing, whiteboarding)
[ ] 3.44 Data archive migration through media and software evolution
[ ] 3.45 Software lifecycle management (e.g., upgrades, version control)
[ ] 3.46 Training classes (e.g., on database use, security, digital video)
[ ] 3.47 IT consulting services (e.g., issue-specific problem-solving)
[ ] 3.48 Hosting services for individual researchers' servers.
[ ] 3.49 Development and maintenance of Web sites that are related to their research
[ ] 3.50 Maintaining vendor contracts for hardware and software purchases
[ ] 3.51 Planning for IT infrastructure for research in new facilities.

3.52 How satisfied do you think researchers are with the IT support services provided by the central IT organization(s) for their research activities?
( ) Extremely dissatisfied
( ) Somewhat dissatisfied
( ) Neutral
( ) Somewhat satisfied
( ) Extremely satisfied
( ) Don't know

3.53 How satisfied do you think researchers are with the IT support services provided by the schools, centers, and departments for their research activities?
( ) Extremely dissatisfied
( ) Somewhat dissatisfied
( ) Neutral
( ) Somewhat satisfied
( ) Extremely satisfied
( ) Don't know
3.54 How satisfied do you think researchers are with the IT infrastructure provided by the central IT organization(s) for their research activities?
( ) Extremely dissatisfied
( ) Somewhat dissatisfied
( ) Neutral
( ) Somewhat satisfied
( ) Extremely satisfied
( ) Don’t know
Section 4: External Relationships and Consortia

4.1_4.8 To which of the following does your institution directly connect? [Select all that apply.]
[] 4.1 University system wide network
[] 4.2 Other multi-institutional network
[] 4.3 Regional research and education network
[] 4.4 State research and education network
[] 4.5 National research network (e.g., Internet2/Abilene, National LambdaRail, Canarie)
[] 4.6 Regional gigapop
[] 4.7 Other

4.8 Please describe “other” (optional).

4.9_4.14 Does the central IT organization(s) participate in any consortia, partnerships, or shared services arrangements that provide IT support for faculty research in any of these? [Select all that apply.]
[] 4.9 Infrastructure (networks, computation, and data storage)
[] 4.10 Applications and tools (e.g., visualization, display, data mining, statistical analysis)
[] 4.11 Research support (e.g., training and consulting)
[] 4.12 Operations (e.g., security, data protection, licensing support, facility management)
[] 4.13 Other

4.14 Please describe “other” (optional).

4.15_4.26 If applicable, what are the three greatest benefits from participating in a consortium, partnership, or shared services arrangement for IT research infrastructure and services? [Select up to three.]
[] 4.15 We have yet to see any benefits from participation
[] 4.16 Cost savings
[] 4.17 Access to greater range of expertise in IT related to research
[] 4.18 Lowered barrier to entry for researchers
[] 4.19 Opportunity to use new research methods and tools
[] 4.20 Opportunity for research in a wider range of disciplines
[] 4.21 Opportunity for inter-disciplinary research
[] 4.22 Opportunity for inter-institutional research
[] 4.23 Better positioned for securing NIH, NSF, and other grants
[] 4.24 Greater prestige to the institution
[] 4.25 Opportunity for professional development for IT staff
[] 4.26 Not applicable
Section 5: Funding

5.1 Independent of infrastructure that is multi-purpose (e.g., network, email services), approximately how much money does the central IT organization(s) spend on infrastructure and services related to research?

( ) None
( ) Less than $100,000
( ) $100,001–$250,000
( ) $250,001–$500,000
( ) $500,001–$1,000,000
( ) $1,000,001–$2,000,000
( ) $2,000,001–$3,000,000
( ) $3,000,001–$4,000,000
( ) $4,000,001–$5,000,000
( ) More than $5 million
( ) Don’t know

5.2–5.7 What is the primary source of funding for the following? [TABLE]

( ) Do not provide
( ) Central IT budget
( ) Chargebacks to users for usage
( ) Set fee for set scope of services
( ) Other

[ ] 5.2 High-bandwidth networking
[ ] 5.3 High-performance computing
[ ] 5.4 Data storage
[ ] 5.5 Applications and tools (e.g., visualization, display, data mining, statistical analysis)
[ ] 5.6 Research-related IT support (e.g., training and consulting)
[ ] 5.7 Operations (e.g., security, data protection, licensing support, facility management)

5.8–5.13 In the past three years, how has central IT funding changed for the following?

( ) Greatly decreased ( ) Decreased ( ) Stayed the same ( ) Increased ( ) Greatly increased
( ) Don’t know

[ ] 5.8 High-bandwidth networking
[ ] 5.9 High-performance computing
[ ] 5.10 Data storage
[ ] 5.11 Applications and tools (e.g., visualization, display, data mining, statistical analysis)
[ ] 5.12 Research-related IT support (e.g., training and consulting)
[ ] 5.13 Operations (e.g., security, data protection, licensing support, facility management)

5.14–5.19 In the next three years, how is central funding for the following expected to change?

( ) Greatly decrease ( ) Decrease ( ) Stay the same ( ) Increase ( ) Greatly increase ( ) Don’t know

[ ] 5.14 High-bandwidth networking
[ ] 5.15 High-performance computing
[ ] 5.16 Data storage
[ ] 5.17 Applications and tools (e.g., visualization, display, data mining, statistical analysis)
[ ] 5.18 Research support (e.g., training and consulting)
[ ] 5.19 Operations (e.g., security, data protection, licensing support, facility management)
5.20 This institution has a sustainable budget model for maintaining and evolving key components of the research IT infrastructure such as the high-performance networks, high-performance computation, and data storage.

( ) Strongly disagree
( ) Disagree
( ) Neutral
( ) Agree
( ) Strongly agree
( ) Don’t know

5.21 This institution has a sustainable budget model for maintaining and evolving services related to research IT, such as applications, tools, training, consulting, and operations.

( ) Strongly disagree
( ) Disagree
( ) Neutral
( ) Agree
( ) Strongly agree
( ) Don’t know

5.22 If central IT had more money to allocate to research-related IT support, in which area would you invest?

( ) Expanding infrastructure (networks, computation, and data storage)
( ) Offering applications and tools (e.g., visualization, display, data mining, statistical analysis)
( ) Providing research-related IT support (e.g., training and consulting)
( ) Enhancing operations (e.g., security procedures, licensing support, facility management)

5.23 Are any indirect cost recovery funds from federal research grants allocated to central IT? [Required]

( ) No (proceed to 5.25_5.31)
( ) Allocated to IT infrastructure (e.g., networking, high-performance computing, data storage) (proceed to 5.24)
( ) Allocated to IT support services for research (proceed to 5.24)
( ) Allocated to both IT infrastructure and for IT support services for research (proceed to 5.24)
( ) Don’t know (proceed to 5.32_5.36)

5.24 Who is the primary decision-maker regarding the specific use of those funds within central IT? [proceed to 5.32_5.36]

( ) President/chancellor
( ) Vice president for research (or equivalent)
( ) Provost
( ) Vice president for business and administration (or equivalent)
( ) CIO
( ) Deans
( ) Institutional research committee
( ) Other institutional IT committee
( ) Other

5.25_5.31 Why has your institution chosen not to use indirect cost recovery funds for central institutional IT infrastructure or services? [Select all that apply]

[ ] 5.25 The added cost would make grants uncompetitive.
[ ] 5.26 Funding agencies do not allow it
5.27 Researchers do not see the benefits of funding central IT infrastructure
5.28 There is cultural resistance among researchers to sharing grant money in this way
5.29 Central IT organization has never explored this possibility
5.30 Other

5.31 Please describe “other” (optional).

5.32_5.36 Does the central IT organization(s) engage in any of the following activities that bring in external dollars and resources to the institution? [Select all that apply.]
5.32 Participation in grants and contracts
5.33 Partnering with technology companies
5.34 Partnering with non-technology companies and organizations
5.35 Other

5.36 Please describe “other” (optional).
Section 6: Conclusion

6.1 EDUCAUSE plans to conduct telephone interviews with some institutions to probe further into the support issues related to faculty use of information technology. Would you be willing to participate in a follow-up telephone interview?
( ) No
( ) Yes

6.2 If yes, what is your e-mail address?

6.3 Do you wish to receive a copy of the key findings from this study?
( ) No
( ) Yes

6.4 If you have any other comments or insights about IT engagement in research, please share them with us. [Memo field]

6.5 We are committed to continually improving our surveys. All comments are welcome and will be considered. [Memo field]

You have reached the end of the survey. Thank you! Please submit this survey by clicking the “Finish” button now, or, if you wish to review, print, or save your responses, click “Review.”

Full ECAR studies are available either through subscription or purchase at the ECAR Web site, http://www.educause.edu/ecar/ . If you have any questions or concerns, please e-mail ecar@educause.edu .

– END SURVEY –