

Cyberinfrastructure Impact Analysis

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Coalition for Networked Information

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cyberinfrastructure impact

persistent commitments

“stack” effects

by-products

cost of operation

a healthy ecosystem

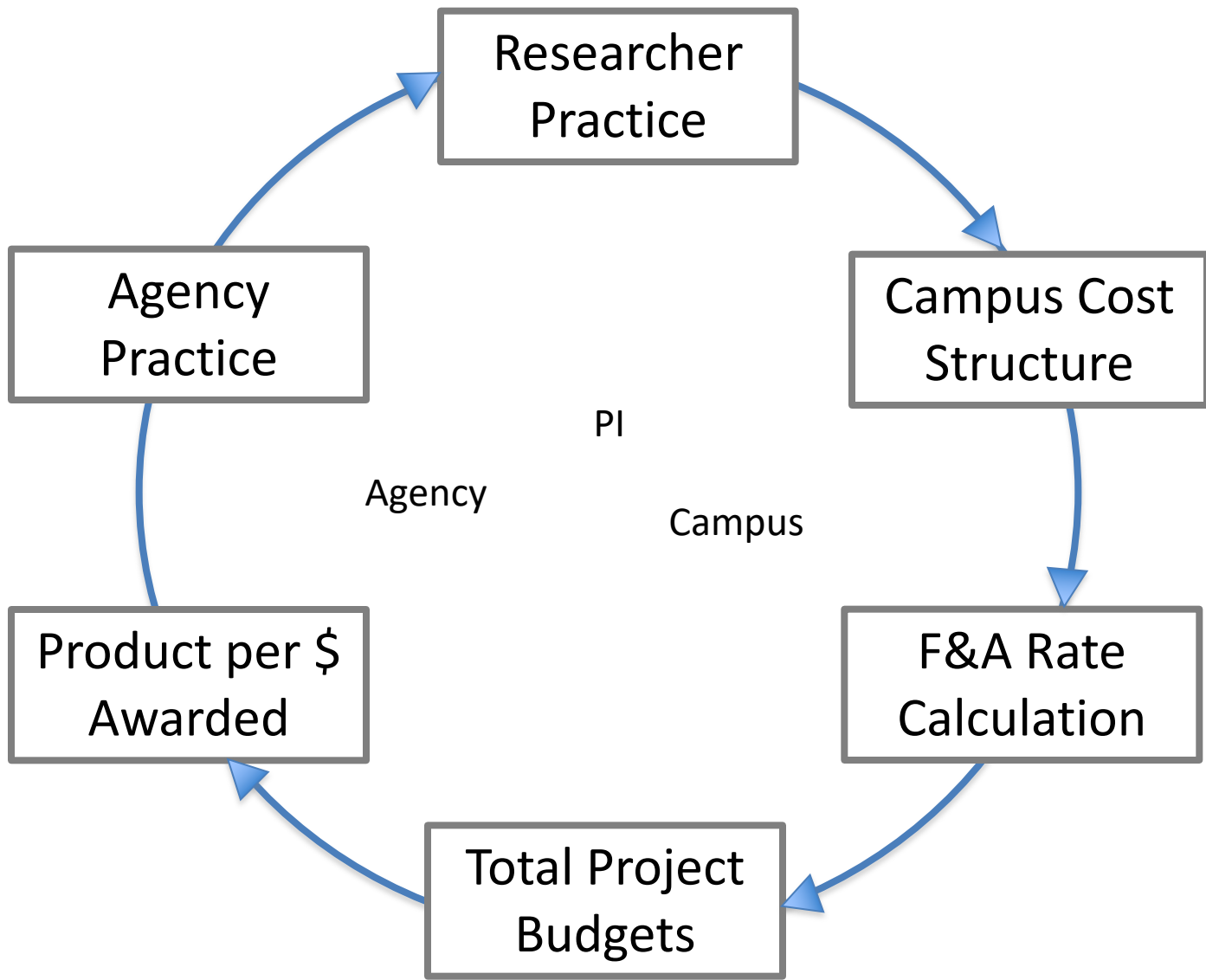
more productive work

more possibilities

more/different science

better resource use

why coherent CI is hard
(beyond the technical reasons)



“co-evolving” & “emergent”

a new style of planning

non-orchestrated

centered on the research

context sensitive

interested in containing

cost so more can be

done

purpose of assessing CI impact

*cultivation of “eco-
system” mentality*

amplification of benefit

mitigation of cost

designing impact assessment

occasions

elements

analyst role

proposal includes cost sharing/ matching funds not included in the budget, identify below:

\$ _____ **LSU MATCH (not budgeted)**

\$ _____ **EXTERNAL MATCH (not budgeted) (letter required)**

On Campus

Off Campus(attach justification)

\$10,000 or less

Board of Regents

Sponsor Limited(attach sponsor policy)

Other Reduction(attach ORGS approval)

SPECIAL APPROVALS/PROPOSAL INFORMATION

For additional information on special approvals/proposal information questions, and a list of authorized signatories for each special requirement, consult the OSP website: www.lsu.edu/osp. Special committee approval signatures are required prior to submission of proposal to OSP.

YES/NO

PreK-12 School Involvement?

Electronic proposal submission required?

International Activities included?

RFP/Announcement includes award terms and conditions? If yes, attach copy.

Proposal budget includes a subcontract to an external organization/university? If yes, attach detailed budget and letter of collaboration from Authorized Official of external organization/university.

YES/NO

Facility renovation required? If yes, insert dollar amount for renovation:
\$ _____

Special Facilities/Services required not under the control of the Investigators? List here and document approval of use:

NSF/PHS Proposals Only: Financial Disclosure: Are there any persons not named on this Form who are responsible for design, conduct or reporting of the project? If yes, you must ensure they are aware of the Significant Financial Interest Disclosure requirement.

YES/NO

Radioisotopes or radiation sources used
(includes use of CAMD Beamline)?

Classified material?

SPECIAL COMMITTEE APPROVAL SIGNATURE:

DATE:

RADIATION PROTECTION OFFICER:

RESEARCH POLICY COMMITTEE:

*One possible occasion:
proposal routing*

Cyberinfrastructure needs/impact assessment form

Enter Proposal identification info and a brief description:
 Last Edited: 2008.10.13

Blank

Evaluate cyberinfrastructure needs and/or potential impact of grant proposals. Tagging may be more effective than physical organization - tags should definitely be used to identify proposals which have significant needs in any of the categories, if there are categories requiring gathering more information to determine impact (e.g. talking with expert in the category, and if necessary, the researcher(s)), etc.

Key things to note/overall comments:

CyberInfrastructure_Category	Rate Impact/Need	Need more info?	Comments / Notes
Data			
▪ Storage		0	
▪ Database needs		0	
▪ Rate of data change/generation		0	
▪ Mirroring / high availability needs		0	
▪ Backup and recovery		0	
▪ Management/Curation		0	
▪ Archiving/Preservation		0	
▪ Access to Library/licensed information sources		0	
▪ Access to domain/community resource/reference collection		0	
▪ Data should be added to domain/community resource/reference collection		0	
▪ Specialized data models		0	
▪ Analysis, data mining, and/or visualization tools or resources		0	
Networking / data transmission			
▪ Within building		0	
▪ Within campus/University		0	
▪ Outside University		0	

scoring rubric

overall benefits

overall benefits

*individual researcher:
resource discovery*

overall benefits

*research community:
better eco-system*

overall benefits

*campus: ability to plan
and budget*

overall benefits

*support staff: better grasp
of needs of researchers*

overall benefits

*agencies: more product
per dollar invested*

known issues

*potential for more
bureaucracy*

potential research

resistance

labor intensive

key question:
will value exceed cost?

next steps:
building a multi-site “clinical trial”