

# FutureGENI

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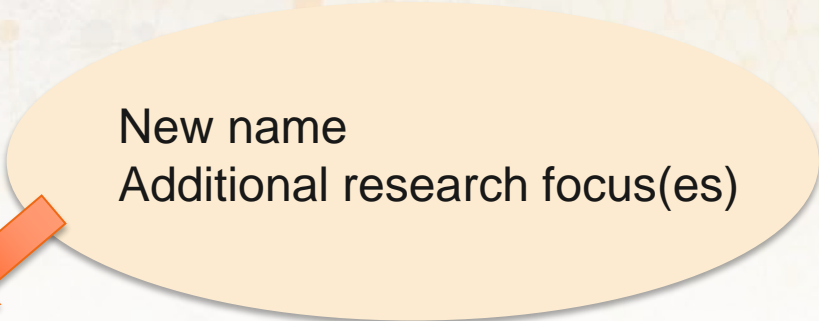
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# US Ignite Interests

1. We need a thriving FutureGENI for our Metropolitan Internets and applications.
2. We have an interest in governance and administration especially if FutureGENI incorporates big bandwidth / low latency / dynamic slicing.

# A Thriving FutureGENI



New name  
Additional research focus(es)



Thriving = Large and growing community

+ Stable and adequate funding

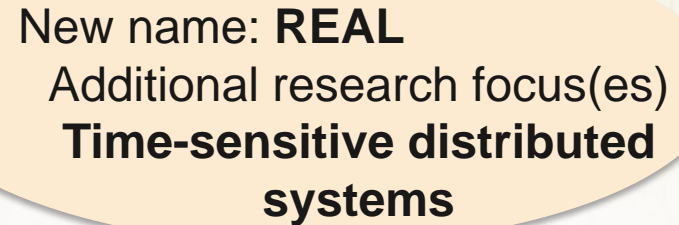


Compelling new research  
Good fit to funder's priorities



# REAL: Time-Sensitive Distributed Systems

One such example of a FutureGENI!



New name: **REAL**  
Additional research focus(es)  
**Time-sensitive distributed systems**

Thriving = Large and growing community

+ Stable and adequate funding

## NSF priorities:

- **Smart and connected communities**
- **Cyberphysical systems**
- **IoT, Industrial Internet**
- **Big data**
- **Cross-directorate, cross-agency**



Compelling new research  
Good fit to funder's priorities

# FutureGENI Governance (Strawman)

## FutureGENI Council and Administrative Office

Council: 7 representative researchers, educators, users, CIOs  
Strategic direction, priorities, funding, training, demo nights, etc.  
Distributed Systems research and education NSF solicitation  
Administrative support including Executive Director - US Ignite or Internet2

## FutureGENI Infrastructure Partners

PIs of a Collaborative Proposal for FutureGENI Infrastructure  
Software Development: e.g., one or more of Utah, RENCi, GRAM  
Clearinghouse, IdP, Portal, other services  
Federation with: NSFCloud, CISE ACI, perhaps others  
Network and Operations support: e.g., Internet2  
Hardware refresh: e.g., US Ignite and its corporate partners  
Coordination by GENI Council and Administration Office



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