

# IT Guidance Committee Charge

- Identify **strategic directions for IT investments** that enable campuses to meet their distinctive needs more effectively while supporting the University's broader mission, academic programs and strategic goals.
- Promote the deployment of information technology services to **support innovation** and the enhancement of academic quality and institutional competitiveness.
- **Leverage IT investment** and expertise to fully exploit collective and campus-specific IT capabilities.

# Current Status

- Launched by Provost in February 2006
- Co-coordinated by AVPs Greenstein & Hafner
- 4 ITGC meetings to date
- Six work groups with specific IT focus areas working concurrently to understand opportunities and recommend change:
  - Advanced Networking
  - Common IT Architecture
  - High-Performance Research Computing
  - Instructional Technology
  - IT in Student Experience
  - Stewardship of Digital Assets

# Current Status

- Faculty Research Cyber Infrastructure Advisory meeting (May 2006)
- Systemwide summit on IT in Student Experience (June, 2006)
- Systemwide discussion of Stewardship of Digital Assets (September, 2006)
- 9 campus visits (April-August)
- Ongoing consultation with University-wide academic, administrative and senate groups
- New round of campus consultation Feb-May

## IT for Distinct, Competitive Advantage

Distinctive Excellence in:

- Teaching, learning
- Research
- Outreach
- Patient care

- Dynamic access to and delivery of information
- Highly competitive research environments
- Incubators for innovation

- Customized user support services
- Technology-enabled teaching/ learning environments

## Utility-like IT “Infrastructure” Services

**Require different models:**

- Funding
- Governance
- Delivery

- Network
- Video conferencing
- Authentication
- Disaster recovery
- Email & calendar
- Collaboration tools
- Payroll, HR & Benefits
- Financial & e-Business systems

- Document management
- Libraries
- Employee self service
- UC grid – shared research clusters
- Consolidated data center services
- IT policy and guidelines
- IT licensing, vendor / contract mgt
- Management of digital repositories

# Several themes are emerging ...

- “Below the line” investments assume common IT infrastructure solutions to improve service quality, solve common business problems, simplify operations, save money, and provide uniform levels of functionality to the community.
- Do once what we shouldn't do 10+ times; collaborate where there is no value to unique solutions
- Find the “power of 10”
- Focus delivery models on IT services Vs IT assets

# Several themes are emerging ...

- “Above the line” investments recognize unique, specific needs for IT in support of innovation and competitive advantage; they reflect the importance of distinctness and campus flexibility.
- Establish processes to foster standardization, benchmarking and co-development to ensure ongoing gains.
- Create a continuous planning process to keep the voices of leadership engaged in identifying UC IT investment priorities

# Planning phases and milestones

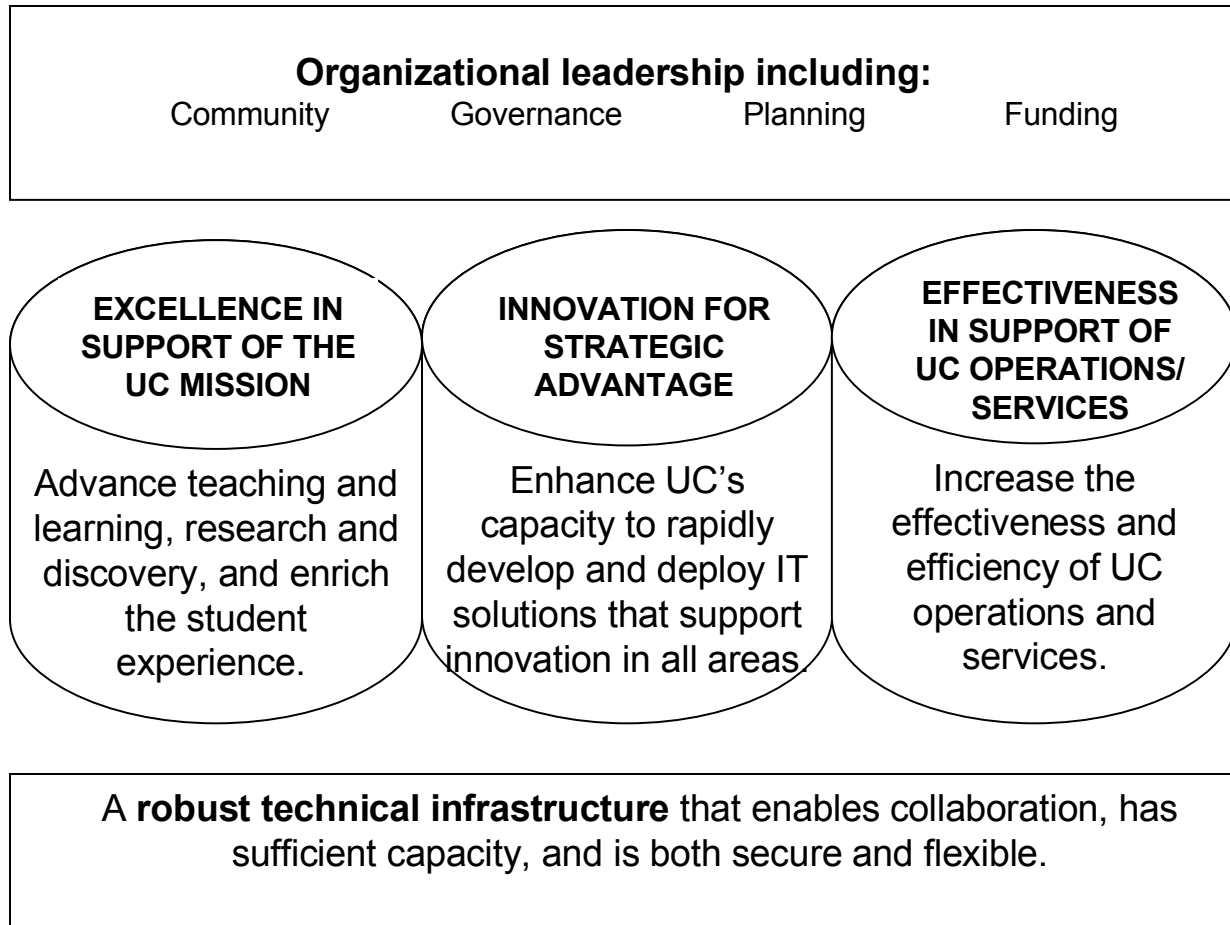
- Phase 1 (Jan 06-Jan 07) Gather input, generate ideas and formulate preliminary recommendations
- Phase 2 (Feb-May 07) Vet recommendations with the UC community; develop priorities
- Phase 3 (May-June 07) Draft final recommendations
- Phase 4 (June-July 07) Align recommendations with final budget process
- Phase 5 (Aug – Sep 07) Report out to President, Chancellors and Regents

# ITGC Members

- Jim Davis, Chief Information Officer, UCLA
- Daniel Greenstein, Associate Vice Provost for Scholarly Information and University Librarian for Systemwide Library Planning, UCOP
- Kristine Hafner, Associate Vice President & Chief Information Officer, Information Resources & Communications, UCOP
- Rory Hume, Provost, UCOP
- David Kaplan, Professor, Philosophy, UCLA
- Larry Merkley, Chief Information Officer, UCSC
- David Messerschmitt, Chair, ITTP, and Professor Emeritus, UCB
- Gerry Munoff, University Librarian, UCI
- Steve Relyea, Vice Chancellor, Business Affairs, UCSD
- John Oakley, Professor, UCD Law School, Chair Academic Senate
- Jim Sandoval, Vice Chancellor Student Affairs, UCR
- Jonathan Showstack, Academic Information Technology, UCSF
- Eric Vermillion, Associate Vice Chancellor, Finance, UCSF
- Michael Witherell, Vice Chancellor for Research, UCSB
- Peter Yellowlees, Director, Academic Information Systems, UCD

# IT Guidance Committee

## Creating a Viable Information Technology Ecosystem for UC



# IT Guidance Committee Recommendations

WorkGroup	Recommendations	Components of a Viable UC Information Technology Ecosystem				
		Organizational Leadership	Support UC's Mission	Strategic Innovation	Effective UC Operations/Services	Technical Infrastructure
<b>Advanced Networking Services</b>	<b>Recommendation 1:</b> Develop a comprehensive set of tools and services that enhances collaboration within the University, as well as between members of its community and the people they work with around the world.		●	●		●
	<b>Recommendation 2:</b> Implement end-to-end support services, including a network measurement infrastructure, with CENIC and other regional/national networks.	●		●		●
	<b>Recommendation 3:</b> Implement high-bandwidth network connectivity among the campuses and to national routed backbone networks. Enhance UC's High Performance Research and Experimental networks with capabilities for dedicated, private networks and "light paths" among campuses and to national and international networks.		●			●
	<b>Recommendation 4:</b> Sustain UC Leadership in Advanced Network Services (via ongoing funding and capacity planning strategies)	●				
<b>Common IT Architecture</b>	<b>Recommendation 1:</b> Develop and communicate system-wide IT architectural standards and guidelines via the newly formed UC IT Architecture Group (ITAG).	●		●	●	●
	<b>Recommendation 2:</b> Endorse a "hybrid" development and deployment model for system-wide applications to support an evolutionary migration from UC's legacy application environment to a Service Oriented Architecture framework. (e.g. HRIS)	●			●	
	<b>Recommendation 3:</b> Implement a common authentication mechanism (UCTrust) for systemwide applications wherever possible.				●	●

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<b>High Performance Research Computing</b>	<b>Recommendation 1:</b> Create UC Grid to enable sharing of the University of California's research computing resources.		●	●		●
	<b>Recommendation 2:</b> Create a cyberinfrastructure-enhanced IT infrastructure in support of all research and scholarship at UC.		●			●
	<b>Recommendation 3:</b> Implement strategies that encourage sharing of IT resources in support of research and scholarship when it is appropriate and feasible.	●	●			●
	<b>Recommendation 4:</b> Create a data storage infrastructure within UC Grid.		●	●	●	●
	<b>Recommendation 5:</b> Describe the University of California's current and future research cyberinfrastructure strategy and capabilities.	●	●			
<b>Instructional Technology</b>	<b>Recommendation 2-A:</b> Develop and implement infrastructure, organization, and policy frameworks to position UC to be a key participant in the open educational resources (OER) movement		●		●	
	<b>Recommendation 2-B:</b> Establish a UC executive-level Instructional Technology leadership position as first step in building a strong systemwide structure	●	●			
	<b>Recommendation 2-C:</b> Develop a UC-wide framework for identifying and implementing common standards for interoperability of systems that support the learner experience	●	●			●
	<b>Recommendation 3:</b> Hold an annual systemwide conference on teaching, learning & technology as well as summits on topics of strategic interest , including innovative learning spaces and repositories.	●	●	●		

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IT in Student Experience	<b>Recommendation A:</b> Partner with key UC stakeholder groups to facilitate broad discussions and to develop strategies to enhance the UC student experience using information technology. Encourage dialogue and collaboration that cuts across a wide range of functional areas.	●	●	●		
Stewardship of Digital Assets	<b>Recommendation 1:</b> Provide institutional leadership and support for stewardship of academic information resources when these initiatives would (a) enhance the quality and competitiveness of UC's research, teaching and service programs and/or (b) mitigate or help manage significant institutional risks		●		●	●
	<b>Recommendation 3:</b> Ensure that the University's information technology infrastructure is "stewardship-enabled", i.e. supports the development of stewardship services, standards and protocols.	●				●
Cross-cutting Recommendations <sup>[1]</sup>	<b>Recommendation 1:</b> Establish a system-wide IT governance structure that interacts with campus IT governance structures to ensure alignment and appropriate resource and fund allocation.	●				
	<b>Recommendation 2:</b> Establish a multi-tier, coordinated infrastructure of IT professionals who support the University community in the use of IT resources.	●			●	
	<b>Recommendation 3:</b> Establish a system-wide capacity for the "incubation" of new technologies and services for use throughout UC.	●		●		
	<b>Recommendation 4:</b> Establish predictable funding models to ensure that IT infrastructure and applications that support required UC business processes continue to provide stable, secure service.				●	●
	<b>Recommendation 5:</b> Provide rewards and incentives for adoption of new IT-based tools and services (e.g. instructional innovation and research computing services)	●	●	●		