The IT Guidance Committee

- Developing a framework to guide IT investments
- Leveraging systemwide efforts to:
  - reduce costs
  - improve effectiveness
  - support innovation
An extensive consultation process

- Regular meetings of ITGC
- Six expert working and advisory groups
- Systemwide summit meetings
- Campus visits
- Ongoing consultation with University-wide administrative and Senate groups
IT is strategic for UC

- IT is essential for discovery, learning, and engagement
- Information and knowledge are
  - keys to UC’s competitiveness
  - essential to our operation
- IT is vital to the management of UC assets
- IT enables the creation, analysis, application, dissemination and retention of these critical assets
## UC Information Technology Expenditures (FY 04-05)

<table>
<thead>
<tr>
<th>UC locations</th>
<th>Technology</th>
<th>+ Staff</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCOP &amp; Campuses</td>
<td>$317M</td>
<td>X 2</td>
<td>$951M</td>
</tr>
<tr>
<td>Medical Centers</td>
<td>$91M</td>
<td>X 2</td>
<td>$273M</td>
</tr>
<tr>
<td>LBNL</td>
<td>$48M</td>
<td>X 2</td>
<td>$144M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$456M</strong></td>
<td></td>
<td><strong>$1.368B</strong></td>
</tr>
</tbody>
</table>
IT for Distinct, Competitive Advantage

- Learning environments
- Discipline-specific research technologies
- Scholarly collaboration
- Specialized medical technologies
- Incubators for innovation
- Centers of excellence

Shared IT “Infrastructure” Services

- Network
- Collaboration
- Email & calendar
- Business systems
- Security
- Libraries
- Research computing
- Data center services
- Disaster recovery
- IT contracts
California Research and Education Network

CalREN Backbone Network – UC Connected Sites

UC CalREN Connection – Northern California Detail

National LambdaRail Architecture

© 2006 National LambdaRail

CalREN hub sites
Level 3
UC
Other
UC with CalREN Backbone Optical Connection
Last Mile Connected UC sites
Last Mile Dark Fiber
Last Mile Managed Service

UC Santa Barbara
San Luis Obispo
Los Angeles
Emeryville
San Francisco
Palo Alto
Soledad
Sunnyvale
Tustin
El Centro
Palm Desert
Bakersfield
Fresno
Merced
Sacramento
Corning
UC San Diego
UC Davis
UC Riverside
UCLA
UCSC
UCSF
UC Berkeley
UC Merced
UCI
UCOP

California Research and Education Network
Administrative systems environment
HR information system strategy

Payroll

Human Resources

Benefits Management

Employee Data Warehouse
Effort reporting system for federal contracts and grants

• Five-campus initiative (with UCOP) to:
  – develop a single solution for UC-wide use
    • deployed in 2006
    • available to all UC campuses
  – avoid significant disallowances and withholding of research funding
  – reduce system development costs ($1.6M savings)
  – increase efficiency and effectiveness
IT supports research
IT supports teaching and learning

Introduction

Welcome to Arabic Without Walls, an introductory distance-learning Arabic course funded by FIPSE (P1168030526) and developed by the UC Consortium for Language Learning & Teaching, the National Middle East Language Resource Center at Brigham Young University and Near Eastern Studies Department at UC Berkeley.
The ITGC framework

- Emphasizing leverage and collaboration in providing:
  - a high performance network
  - enterprise-wide business and administrative systems
  - infrastructure that supports innovation in research, teaching, and learning
What will it take to succeed?

- Money
  - hundreds of millions of dollars over the next ten years
  - in short-term new initiatives funds as well as ongoing investment
  - from a variety of sources: federal, philanthropic, corporate
  - and requiring new model that enable coordination of IT investments made UC-wide
What will it take to succeed?

• Vision and sustained leadership
  – articulating institutional priorities
  – ensuring continuous planning and evaluation
  – supporting transparent decision-making and budget processes
The ITGC.
The power and promise of ten