

EDUCAUSE capabilities and findings relevant to ICT Foresight

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EDUCAUSE Capabilities

How EDUCAUSE Describes Itself

Build the Profession

We build people and teams, strengthening IT and higher education with resources for growth

Create Connections

We bring influencers and thought leaders together, connecting people with ideas, resources, and each other

EDUCAUSE helps higher education optimize the impact of IT

Strengthen Higher Education

We promote the end, not the means – it's not just technology but what you do with it that counts

Enhance Decision-Making

We provide expert research, analysis, and benchmarking to help campus leaders plan, predict, and make the case for IT

About EDUCAUSE

- **Membership:** 2,400 colleges, universities, and organizations (40+ countries); 360 corporations
- **Size:**
 - \$20M (excluding grants)
 - 100 employees
- **Outreach:**
 - 20 face-to-face events/year
 - 10+ online events/year

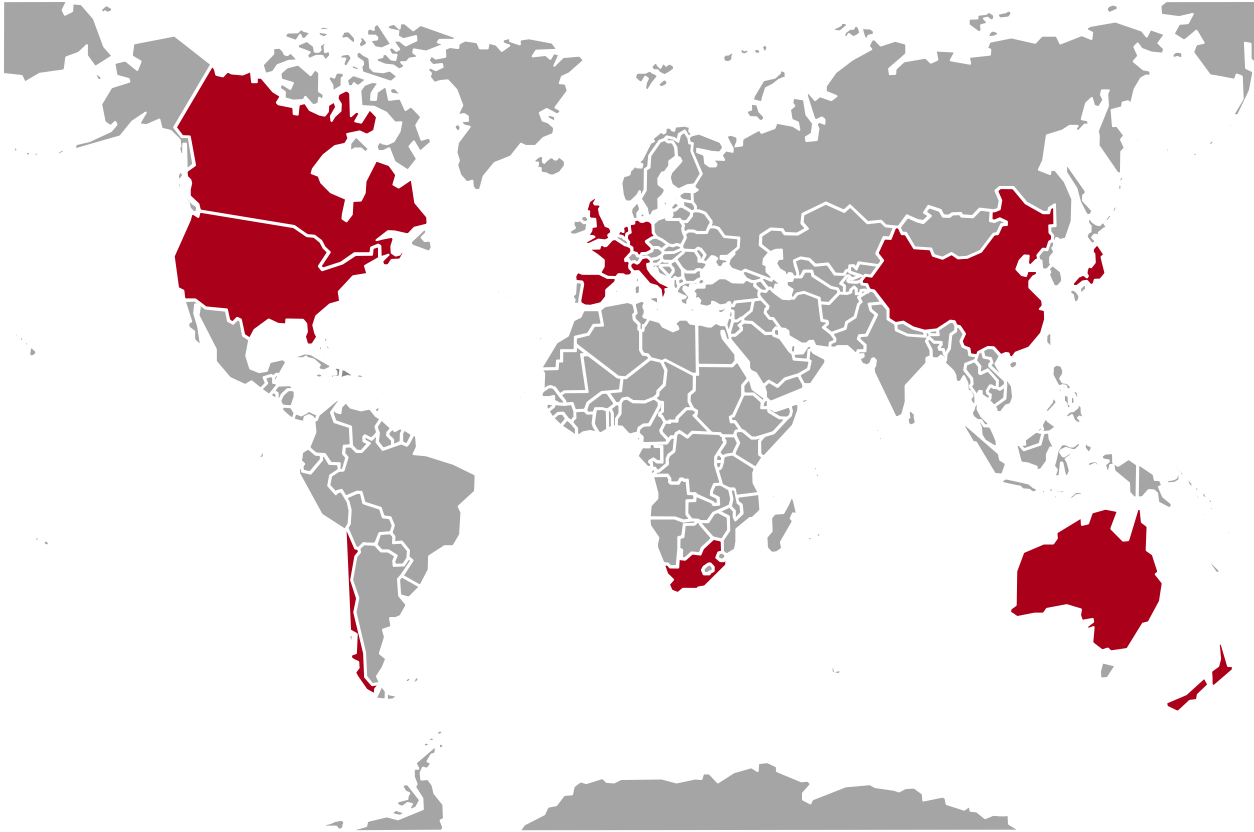
EDUCAUSE Membership Profile

Institution Type	Number
Doctoral Research – All types (DR)	249
Masters Granting (MA)	471
Bachelors Granting (BA)	338
Community and Technical Colleges (AA)	403
Other (tribal, music and art, law, medicine)	232
International	274
Associations/Organizations	78
State Agencies	36
K-12	20
Corporations	362
Total	2,463

Association Outreach

Channel	Quantity
Face-to-face conferences	10,500 people
Online events	20,000 people
<i>EDUCAUSE Review</i>	22,000 copies circulated
<i>EDUCAUSE Review</i> Online	1,700,000 page views
EDUCAUSE Library	800,000 annual page views
Web site	8,600,000 page views

Coalition of Higher Education IT Associations (CHEITA)



- AMUE (France)
- ASAUDIT (South Africa)
- AXIES (Japan)
- CAUDIT (Australia)
- CERNET (China)
- CINECA (Italy)
- CSIESR (France)
- CUCCIO (Canada)
- EDUCAUSE (US)
- ICTC (New Zealand)
- JISC (UK)
- JUCC (China - Hong Kong)
- RED CLARA (Chile)
- SIGMA (Spain)
- SURF (Netherlands)
- UCISA (UK)
- ZKI (Germany)

Next Generation Learning Challenge Initiatives, 2010-2014

Investing in Innovation

Technology
Innovation

PS SUCCESS:
Wave I: \$16.2M

COL READINESS:
Wave II: \$7.1M

Breakthrough
Delivery Models

Wave IIIb: \$7.7M

Wave IIIa: \$9M
Wave IV: \$13.5M

Multiplying Impact

Accelerating Adoption
and Institutional Migration

**Breakthrough Models
Incubator and Academy**

**Collaboratory on Next
Gen Learning**

Knowledge-Building, Dissemination, Grantee Support

Documentation: Grantee profiles, website, case studies, virtual-tour videos

Analysis: White papers on Wave I grantees, NGL Framework, Getting Smart/IIIa

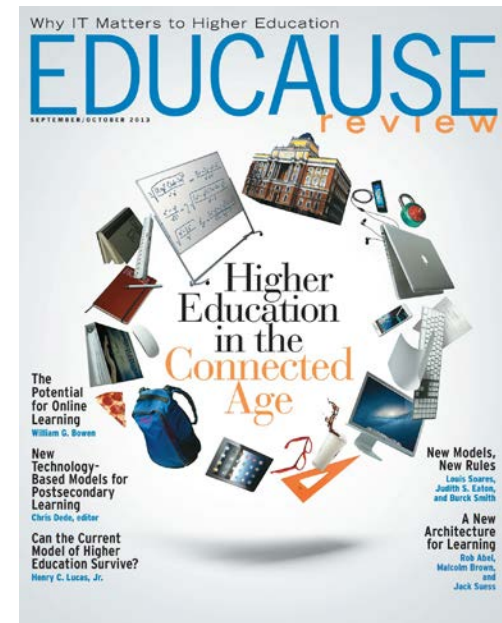
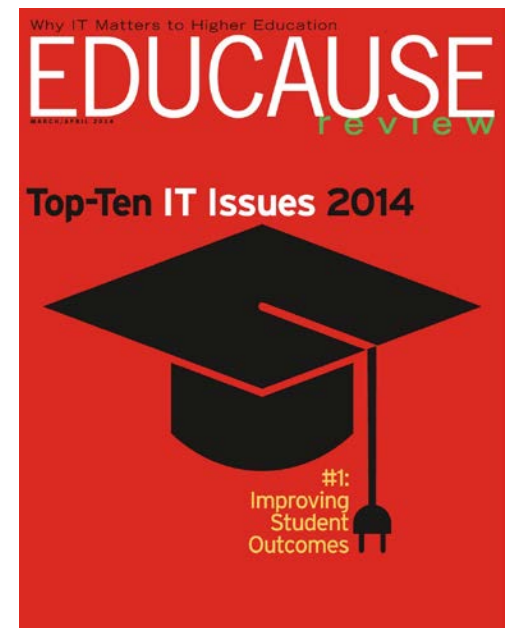
Tools: K-12 Toolkit, Next Gen Tools series, EDUCAUSE on Campus

Commentary/Dissemination: BlendMyLearning, blogs, conference presentations

Grantee Support: Convenings, site visits, online networks, focus-area support

EDUCAUSE Review

- 6x/year print; bi-monthly online
- 26,000 online subscribers
- 22,000 printed copies
- Over 100,000 monthly page views
- ~50 international and national awards

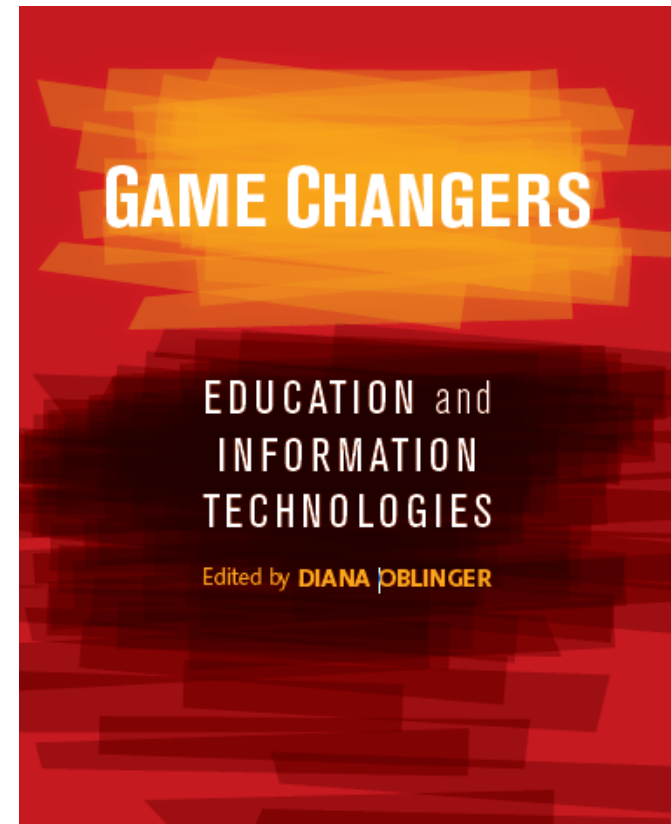


EDUCAUSE

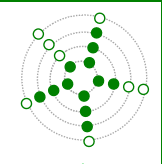

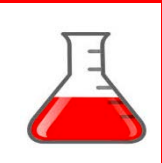


eBooks

Used as resource for institutional strategic planning

- Learning analytics
- Learning pathway systems
- Badging
- Competency-based and online programs
- Many NGLC examples



Research, Benchmarking, Analytics

	<u>Focus</u>	<u>Member value</u>
 Analytics Services	Strategic	Manage, design
 Core Data Service	Normative	Assess, plan, make the case
 ECAR Research	Descriptive	Understand, make the case
 Working Groups	Formative	Define and design
 IT Issues	Emergent/future	Predict and plan

Relevant Findings

Top 10 IT Issues

Demonstrating IT's Business Value

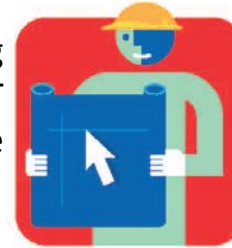
Hiring, retaining, maintaining staff



Increasing IT's capacity for change



Developing enterprise IT architecture



Balancing agility, openness, and security



From Technical to Business

Optimizing technology in teaching and learning



Developing new funding models



Improving student outcomes



Demonstrating IT's business value



The New Normal

Supporting users in the new normal

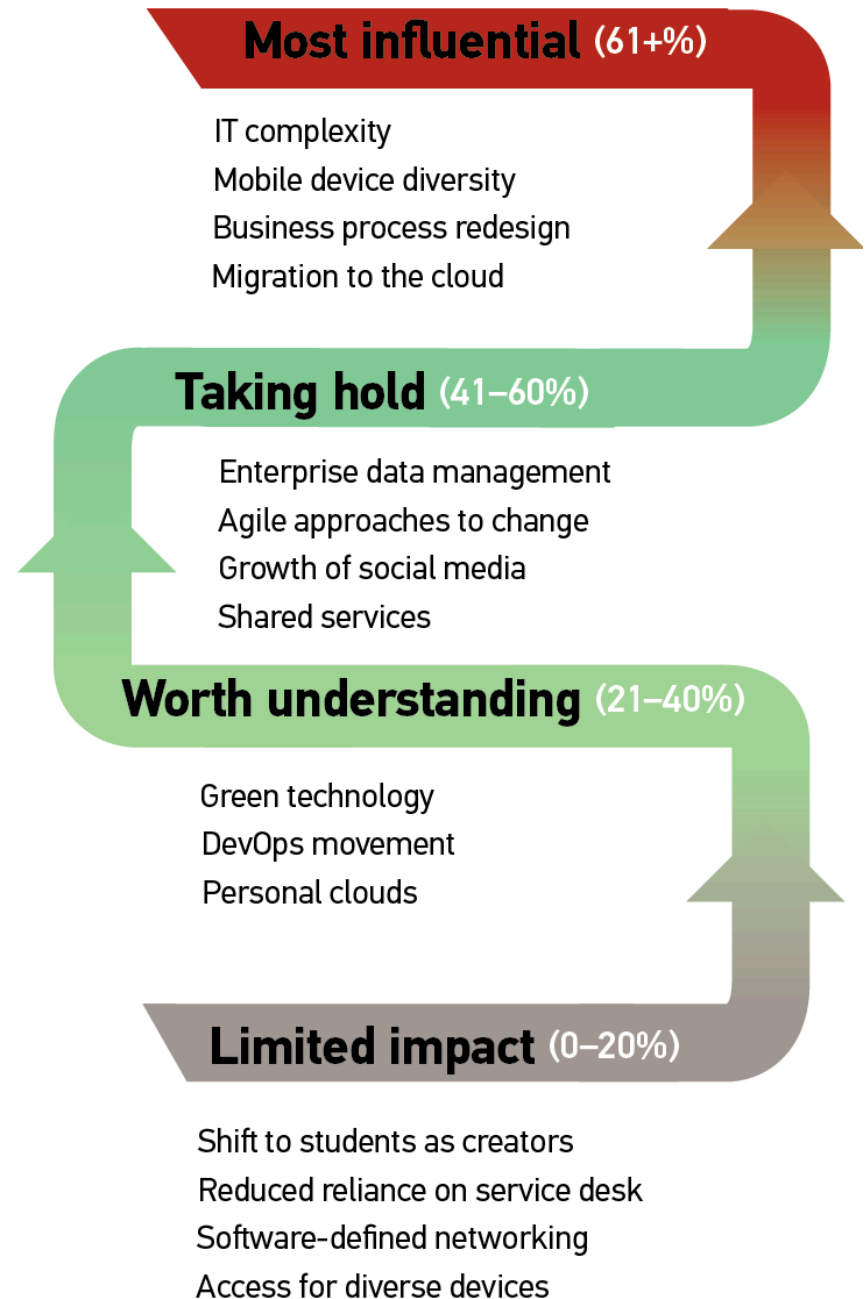


Developing security policies for mobile, cloud, and digital



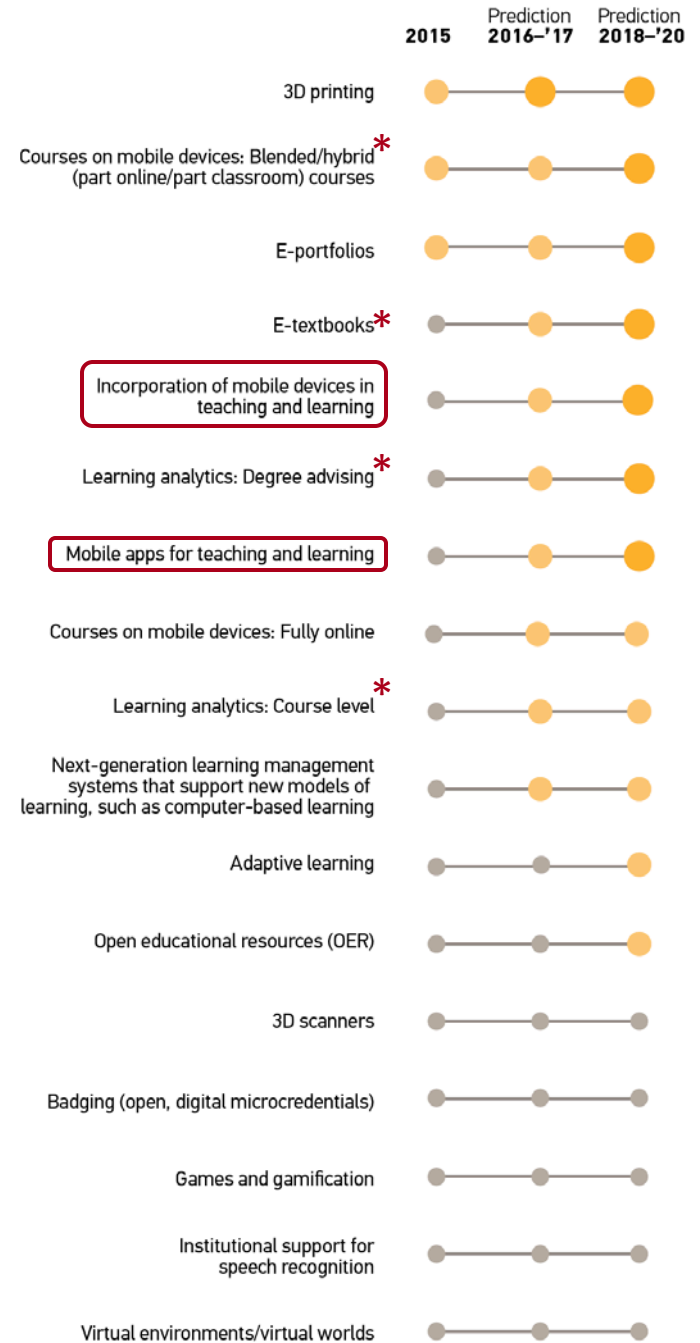
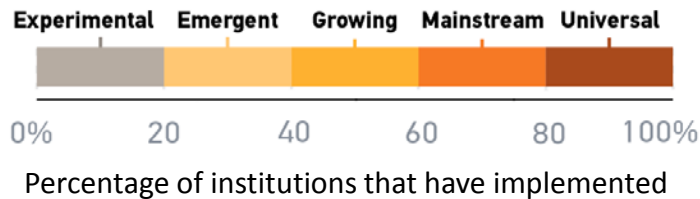
Trend-Watch

- 15 trends
- Extent to which trend is influencing IT strategy
- Identified % of institutions saying each trend was
 - “already incorporated” or
 - “exerting a major influence on emerging IT strategy”

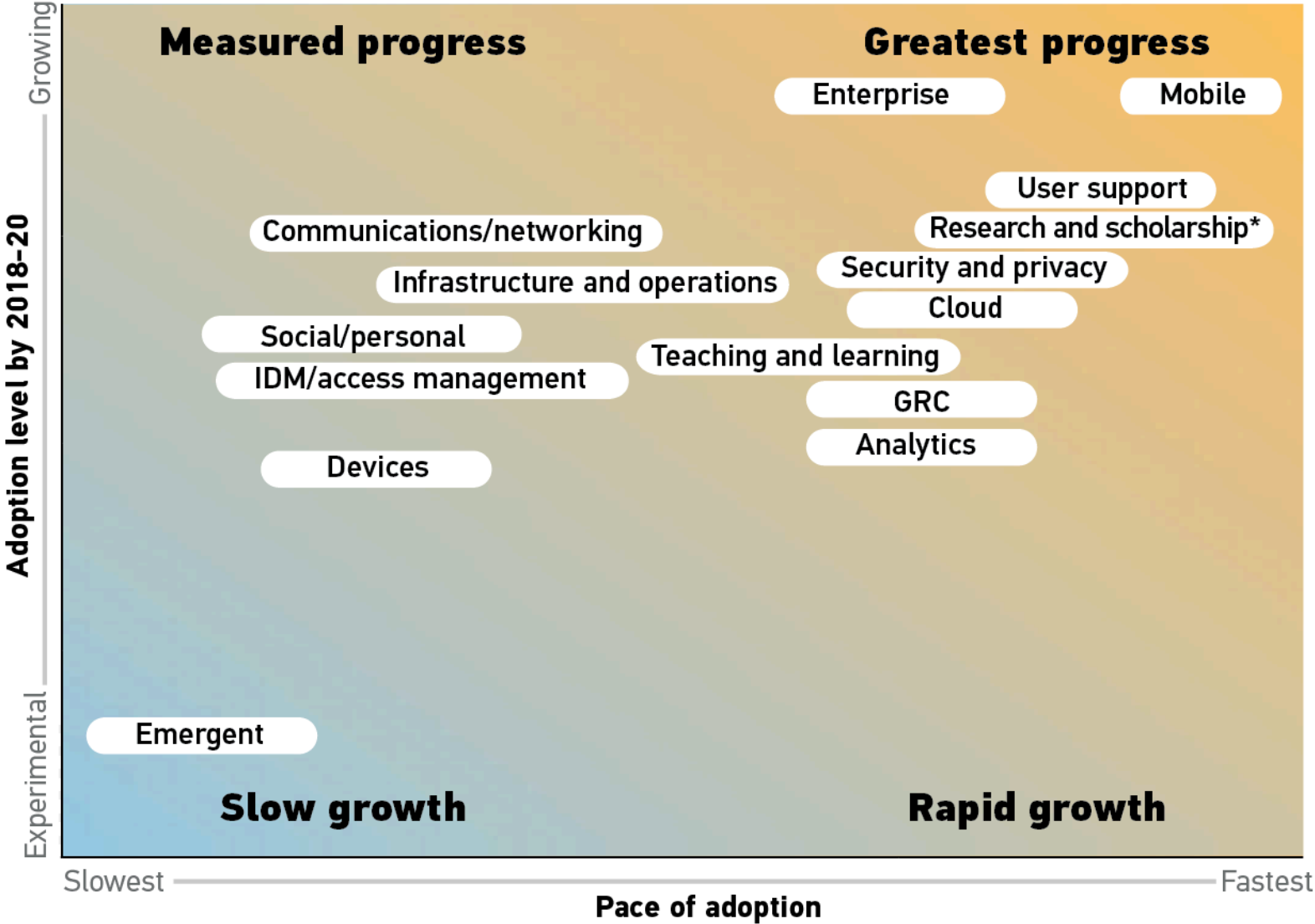


Top 10 Strategic Technologies

Estimated Five Year Adoption Trends for Technologies related to Teaching and Learning



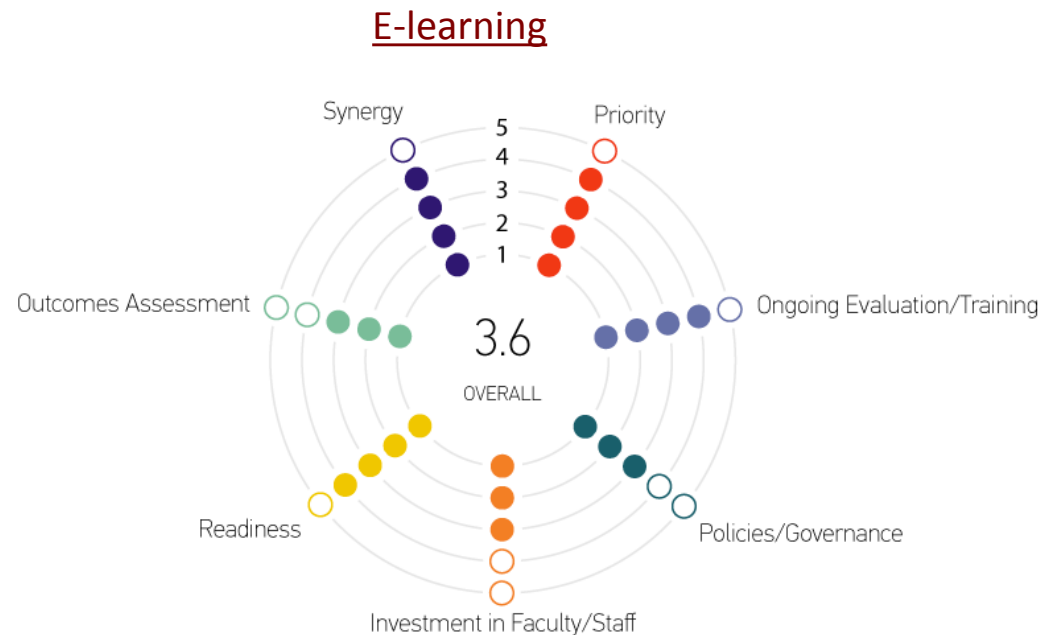
Top 10 Strategic Technologies: Estimated Progress in Technology Areas



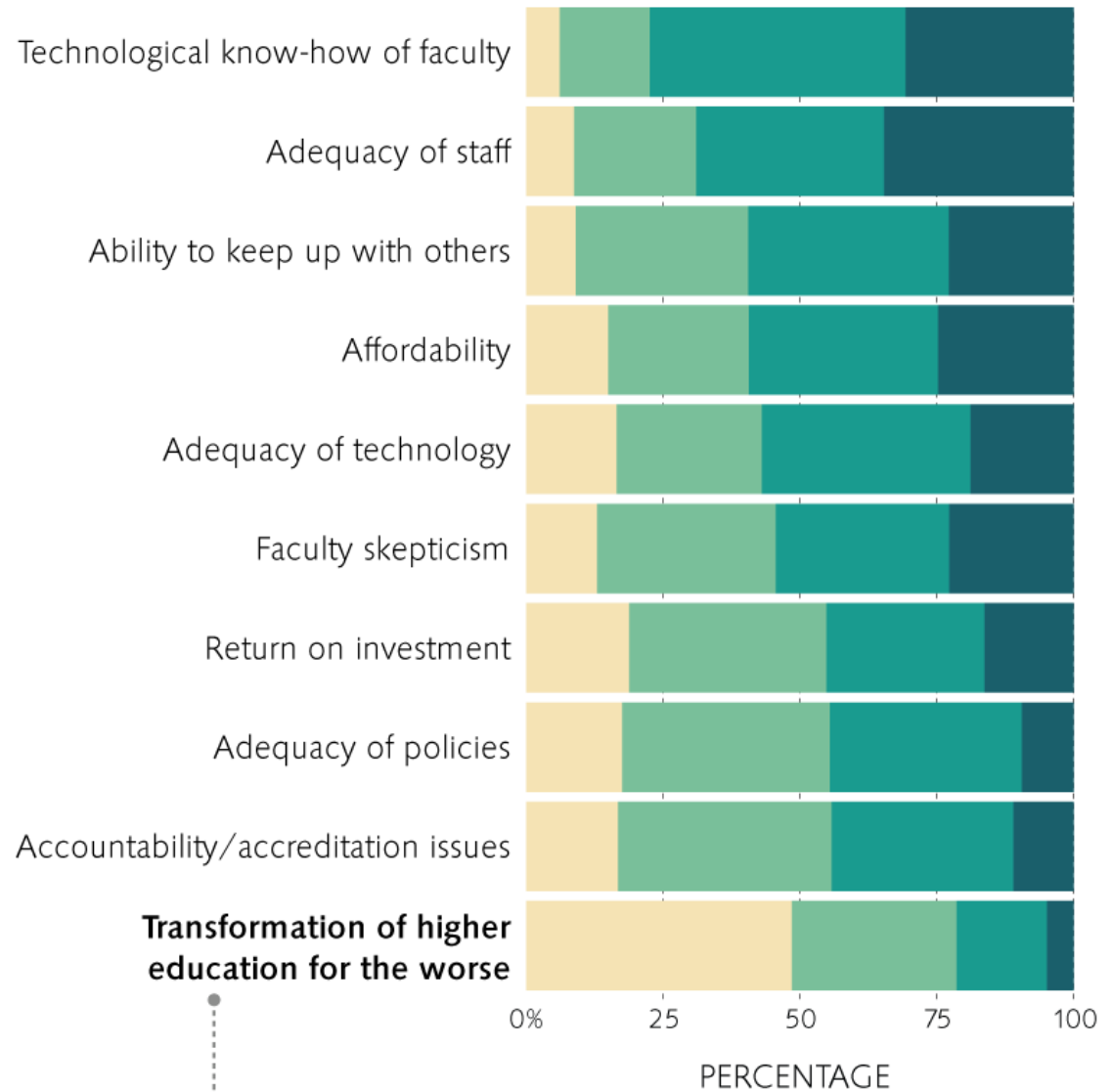
*Among DR institutions only

Maturity Indices

- Examines multiple dimensions of progress, not just technical
- Enables institutions to determine where they are...and where they aspire to be
- Both expert- and data- driven
 - E-learning
 - Student success technologies
 - Analytics
 - Research computing
 - IT governance
 - Information security



Concerns about E-learning



Transformation of higher education for the worse

Fewer than **1/4** of respondents saw this as a major or moderate concern

ECAR Student and Faculty Research



2014 STUDY OF FACULTY & IT

2014 STUDY OF STUDENTS & IT

17,451 faculty respondents

from 151 campuses



in 39 U.S. STATES



and 13 COUNTRIES

75,306 student respondents

from 213 campuses



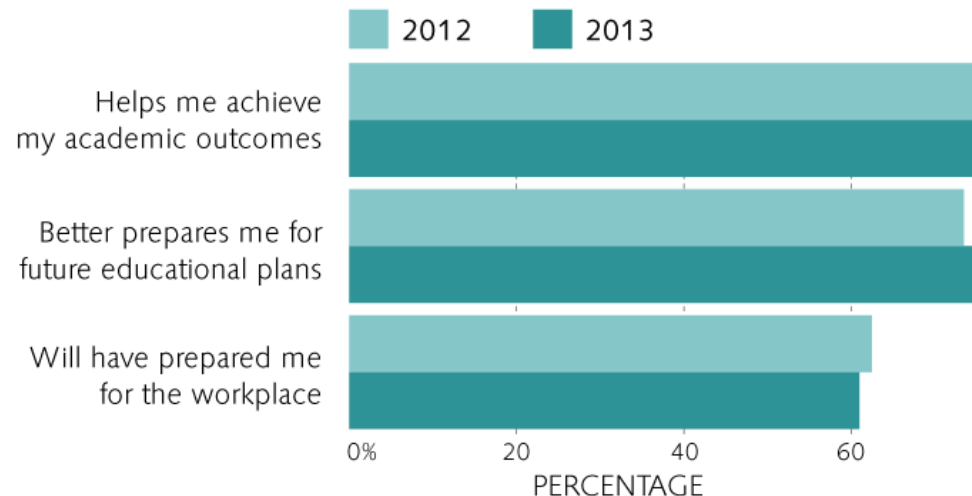
in 45 U.S. STATES



and 15 COUNTRIES

Students see many benefits to technology

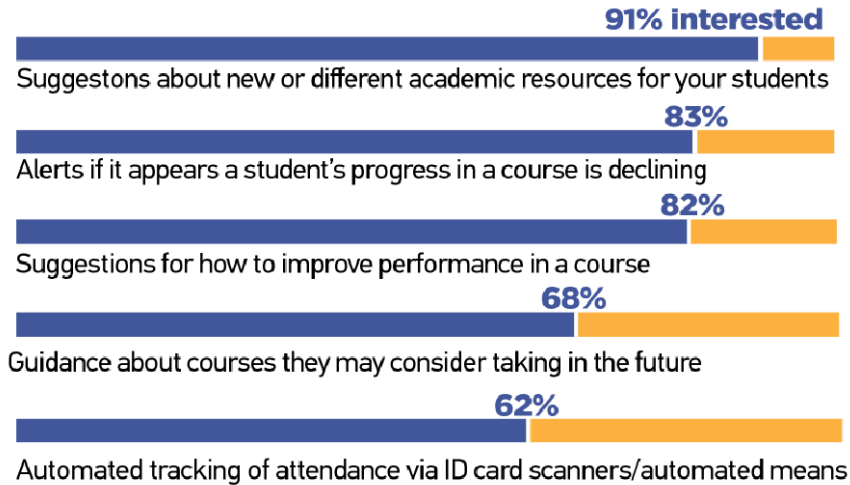
Technology makes me feel more connected to...



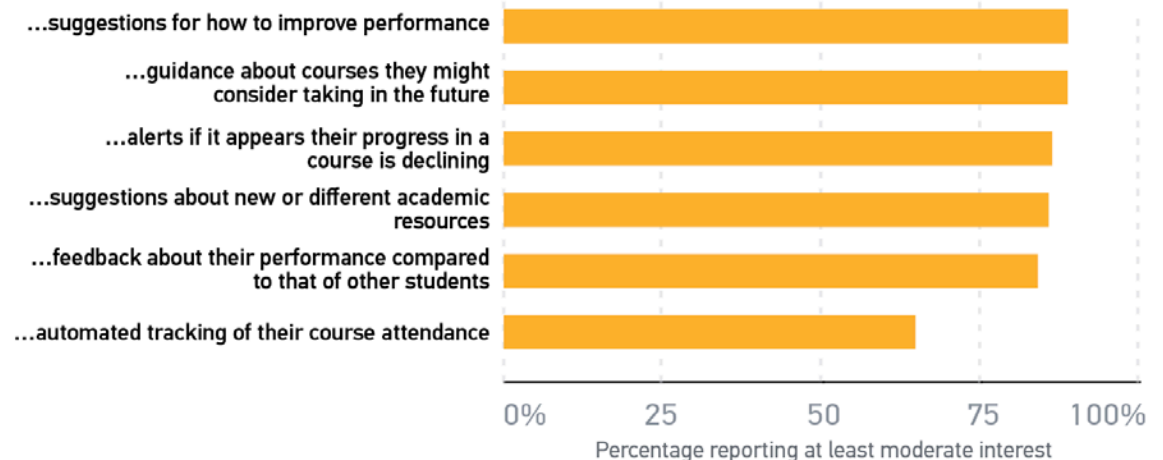
Interest in Academic Analytics

EARLY-ALERT SYSTEMS

Faculty are very interested in correcting substandard student progress in coursework



Students are interested in the use of learning analytics for...



ONLINE LEARNING



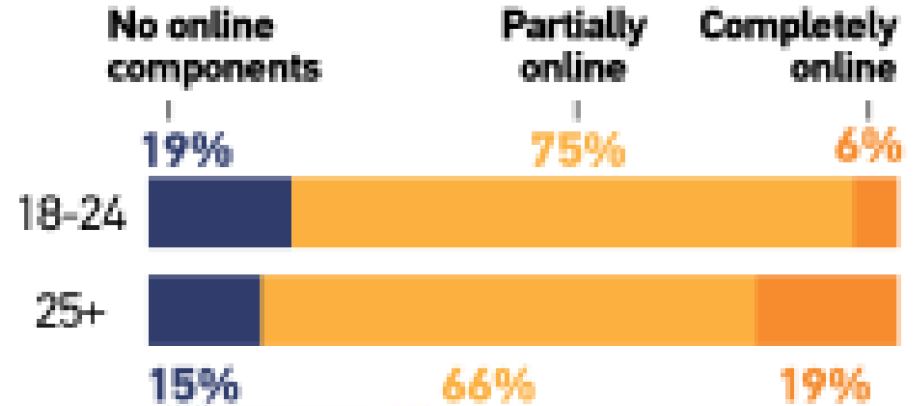
of those, **62%** say online learning will lead to **pedagogical breakthroughs**

ONLINE LEARNING

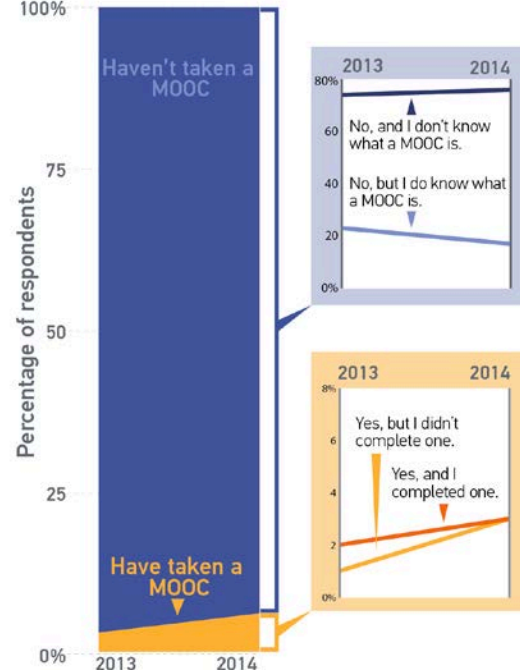


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More students than ever have experienced a digital learning environment. The majority say they learn best with a blend of online and face-to-face work (up 6% since 2013).*



Less interest in MOOCs among traditional students and faculty



What motivates faculty to incorporate technology into teaching?

- **Benefits to students**
- Release time
- Reliability
- Better understanding of technology

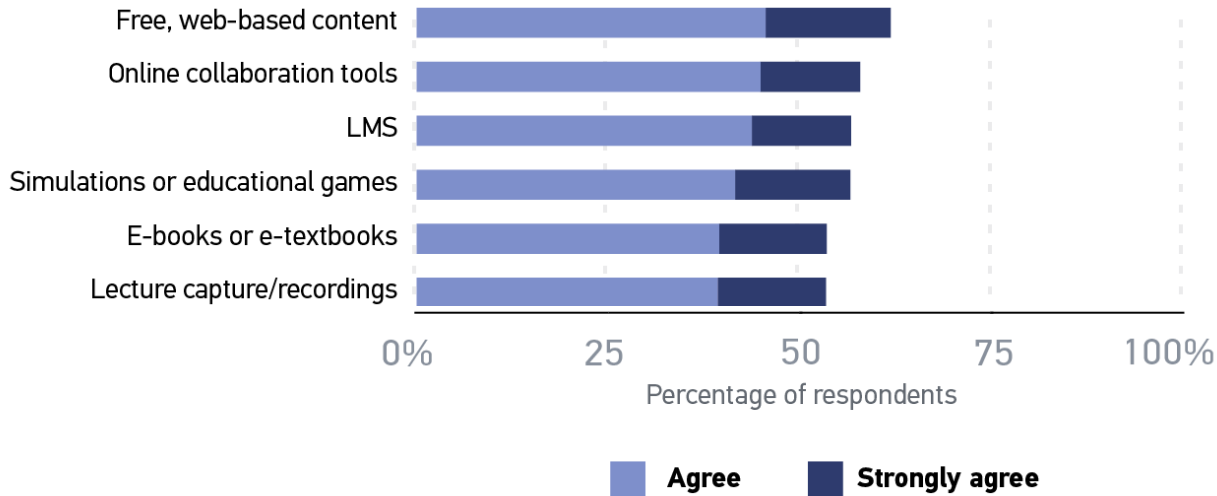
Clear indication/evidence that students would benefit
Release time to design/redesign my courses
Confidence that the technology would work the way I planned
A better understanding of the types of technologies that are relevant to teaching and learning
Direct assistance from IT staff to support the technology I choose to implement
Direct assistance from an instructional design expert to design/redesign my courses
More/better technology-oriented professional development opportunities
Working in a faculty cohort or community that is adopting the same types of practices
A monetary or other value-oriented incentive more or better tech
A teaching assistant to assist with technology implementation
Increased student expectations of technology integration
Tenure decisions and other professional advancement considerations
Support/encouragement from peers more or better technology

most important

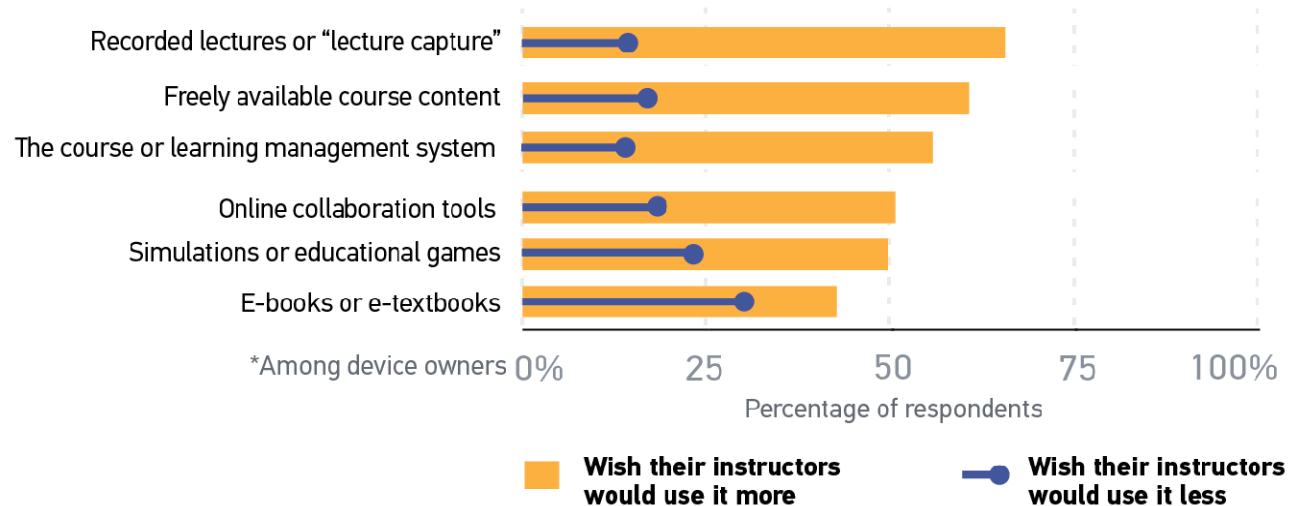
least important

More than half of faculty would like more training in:

like more training in:

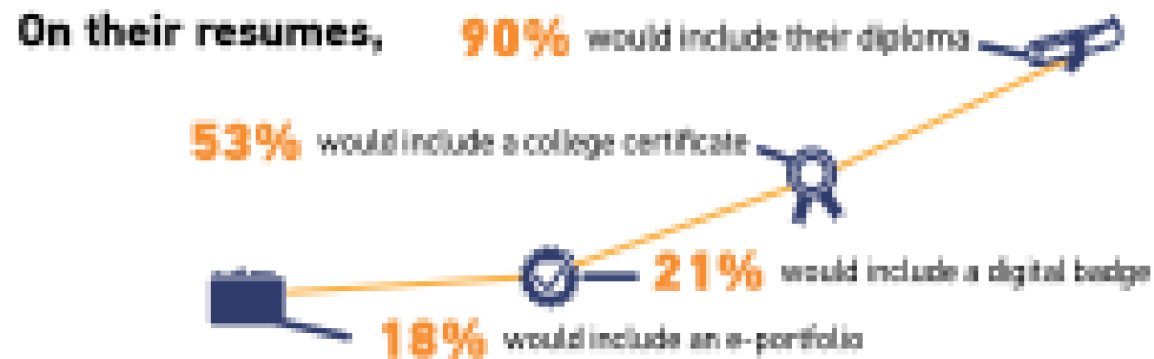


Students would like faculty to use these technologies more



CERTIFICATIONS

The undergraduate degree is still the gold standard certification for contemporary college students.



Discussion