

Optimising Investments in University IT

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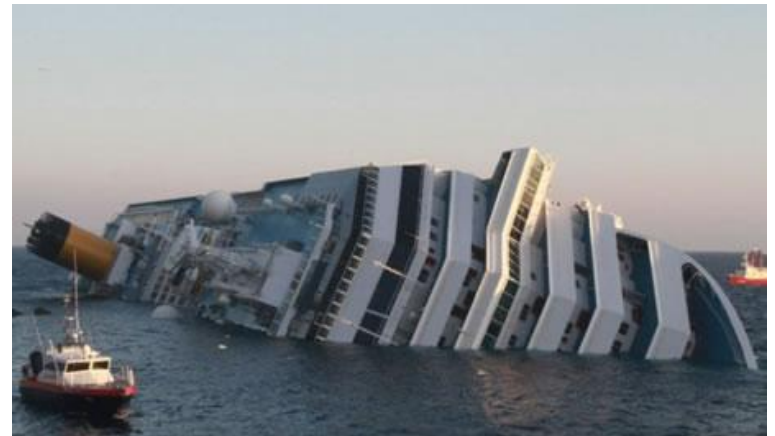
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Structure of the presentation

1. What does 'investing in IT' mean?
2. Where & how to invest
3. Governance, capability & capacity
4. Where next?




Challenges for strategic ICT

JISC / HE Leadership Foundation – Strategic ICT Toolkit

‘Are the **foundations** on which ICT are delivered sufficient to facilitate the level of ICT that will meet [university] **corporate objectives?**’

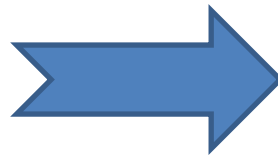
Strategic ICT needs to address these challenges for the university:

- Lack of IT agility
- Lack of IT integration
- Duplication of IT facilities & services
- Data held in sealed silos
- Lack of useful Management Information
- Senior managers cannot identify if what is delivered is vfm 

Where to invest?

IT as an investment

Should lead to...



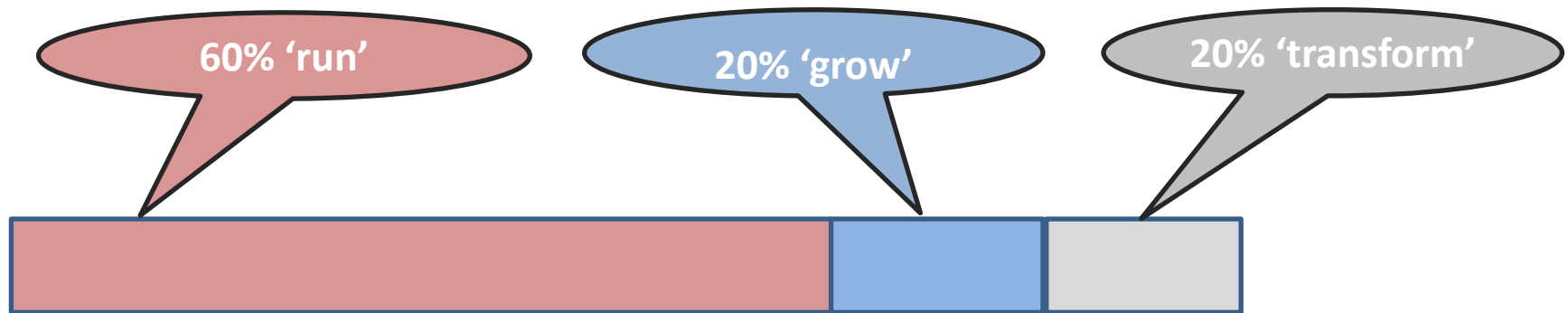
'better business'

Known & unknown investments:

- Academic computing
- Corporate computing

Measure the returns here (ROI)

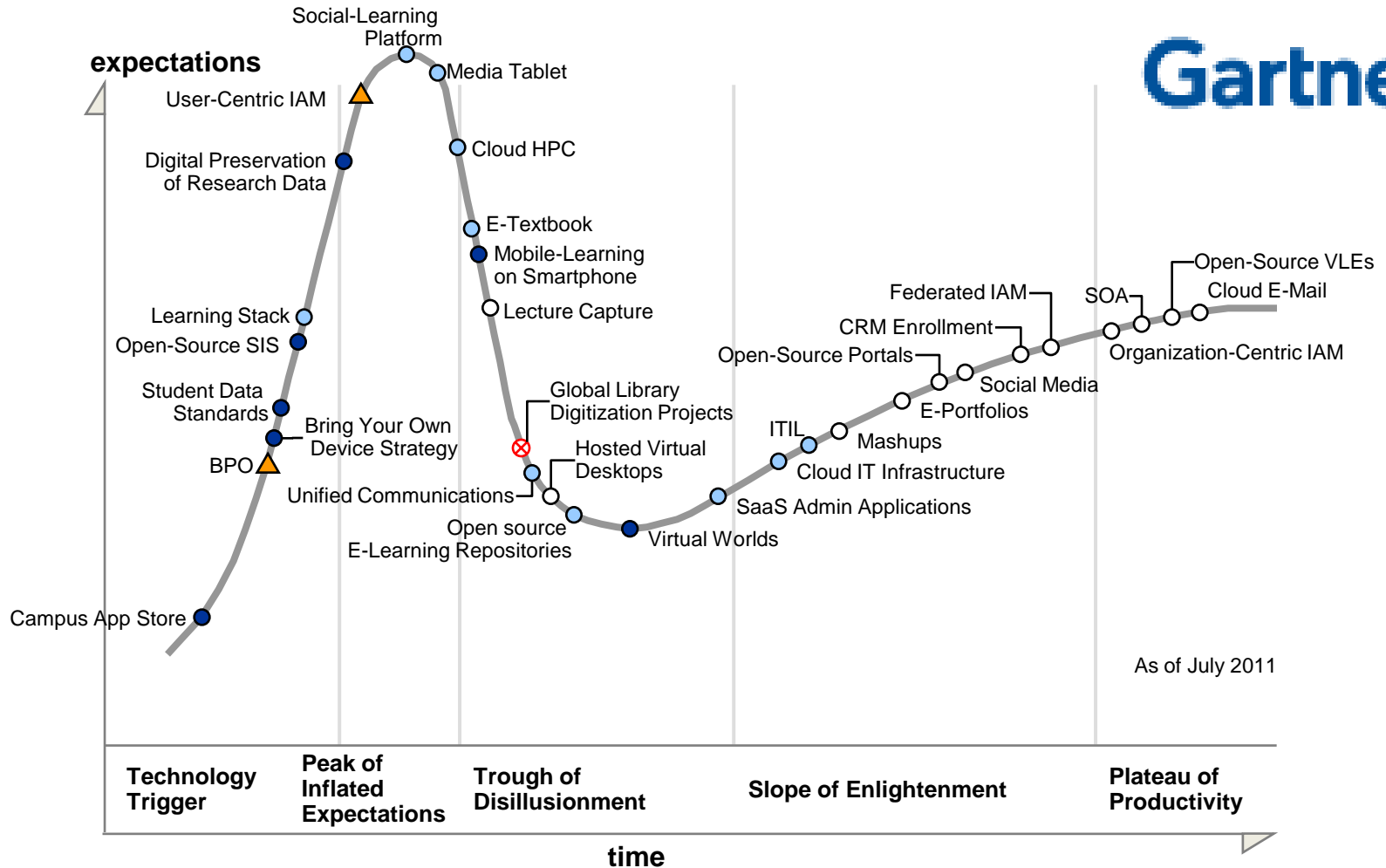
Balancing your IT investment



Adapted from
Gartner

- **Run**
 - Reduce costs no increase in revenue
- **Grow**
 - Increase revenue from existing products
- **Transform**
 - New products, new markets

Assessing Investment Risks: Technology Hype Cycle or Maturity Assessment 2011



As of July 2011

Years to mainstream adoption:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

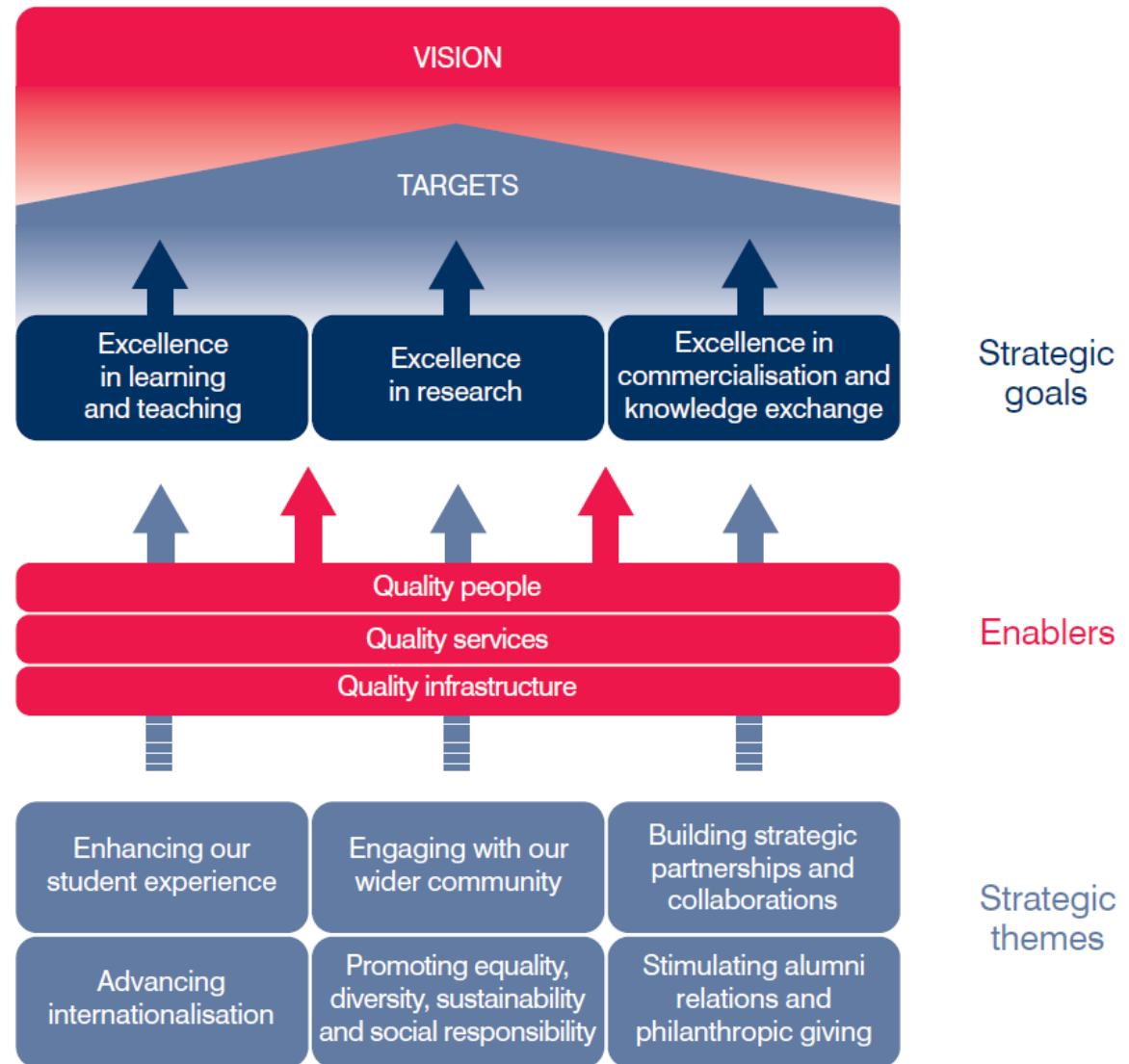
How much IT spend is enough?

- How much should my university spend on corporate IT?
 - probably “more not less”
- How much do others spend?
 - Very difficult to know!
 - Gartner shows
 - financial services: 12% turnover
 - Pharmaceuticals: 8%
 - Education: 2.5%
 - UK survey of research intensive universities: 3-6% of turnover

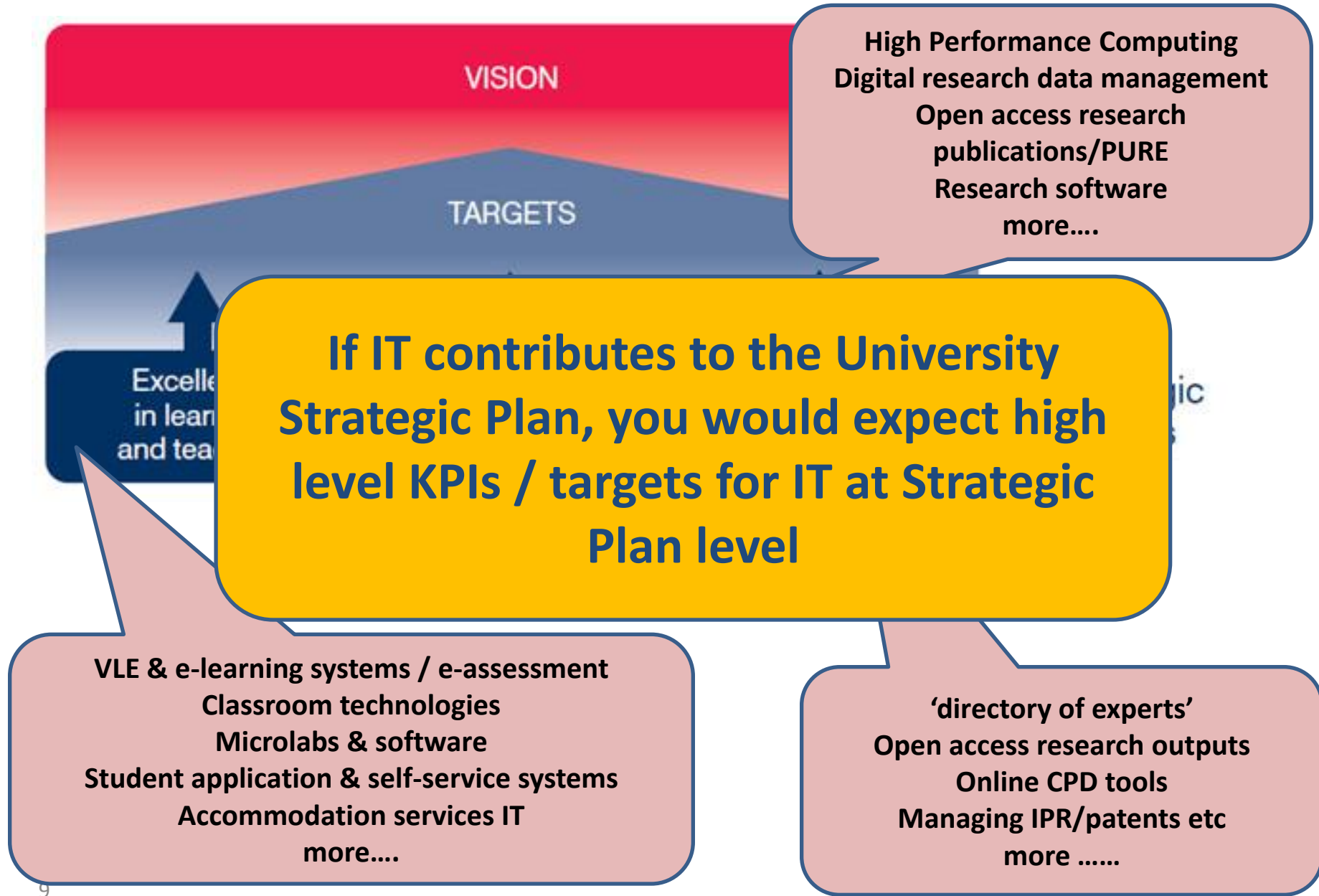


Aligning Investments with University Strategy

University of Edinburgh Strategic Plan 08-12



IT contributions to UoE SP Strategic Goals



Governance, Capability & Capacity for Strategic & Major IT Projects

Getting the best returns on IT investment requires:

- **Governance** for major IT investments: governance toolkits & training
- **Capability** for major IT projects: Maturity Models / Strategic ICT Toolkit
- **Capacity** for major IT projects = bubble graphs & quadrants



Capability: Defining Strategic & Major Projects – Edinburgh Toolkit

Project criteria	Score range	Features
Budget (gross)	1 – 15	<£0.5M - >£25M
Impact students & staff	1 - 4	Direct impact across U – local impacts
Complexity	1 - 4	Low - High
Reputation	1 - 4	Local – international

If Score 20 or over, then project is a “Strategic” project
If Score is 10-19, then project is a “Major” project

For S & M Projects, Governance Board **must** be established as Project Oversight
with Senior Responsible Owner at **SMT level for S Projects.**

Capability: managing the process through stages & reviews

Home About OGC Procurement **Programmes & Projects** Estates Sustainability Policy & Standards Framework Document Library

Home > Programmes & Projects > OGC Gateway Review for Programmes & Projects

OGC Gateway Review for Programmes & Projects

Programmes & Projects

- Introduction to Programmes
- Introduction to Projects
- Starting Gate
- OGC Gateway Review for Programmes & Projects**
- Gateway Video Presentation
- Gateway 0
- Gateway 1
- Gateway 2
- Gateway 3
- Gateway 4
- Gateway 5
- Planning and initiating an OGC Gateway Review
- Freedom of Information Act and Gateway
- Reports and Accountability
- Lessons Learned
- Supporting Guidance and Training
- OGC Gateway Publications

The OGC Gateway™ Process

The OGC Gateway Process examines programmes and projects at key decision points in their lifecycle. It looks ahead to provide assurance that they can progress successfully to the next stage; the process is best practice in central civil government, the health sector, local government and Defence.

OGC Gateway Reviews are applicable to a wide range of programmes and projects including:


- policy development and implementation
- organisational change and other change initiatives
- acquisition programmes and projects
- property/construction developments
- IT enabled business change
- procurements using or establishing framework arrangements

The process is mandatory in central civil government.

Underlying the OGC Gateway process is a set of guiding Brand principles which define what Gateway is. These are applied by all Gateway users to maintain brand standards.

What is an OGC Gateway™ Review?

OGC Gateway Reviews deliver a "peer review" in which independent practitioners from outside the programme/project use their experience and expertise to examine the progress and likelihood of successful delivery of the programme or project. The review



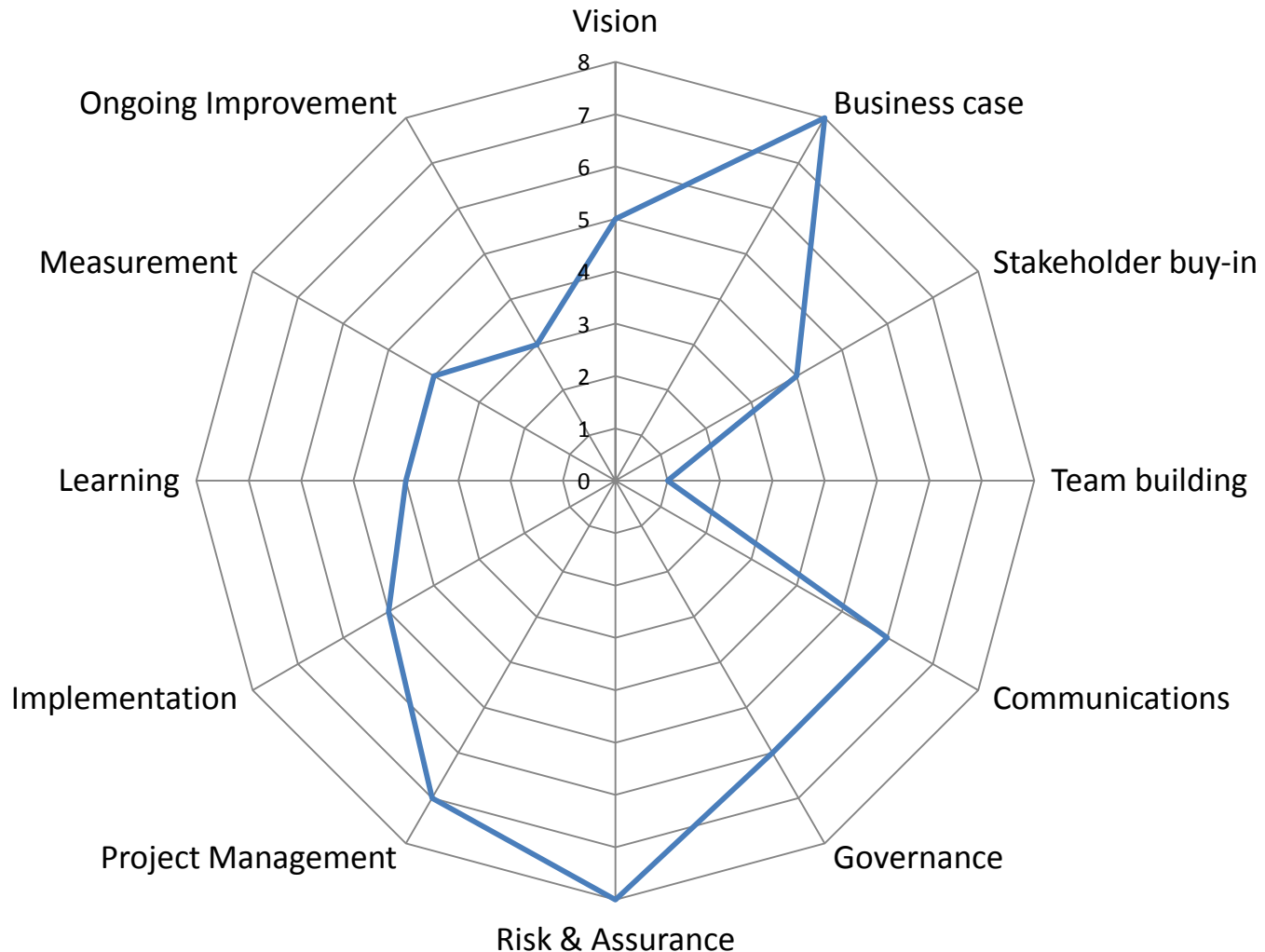
Picture courtesy of the Olympic Delivery Authority.

Global related sites

- Buying Solutions
- HM Treasury
- Directgov

Capability: Guiding Strategic Projects and learning from them - Edinburgh Toolkit

“Visual aids for project governance boards”



Home

Aims and objectives

Deliverables

Contact us

Toolkit

Collapse all | Expand all

1 Introduction

2 Knowledge Base

3 Case Studies

4 Self-Analysis and the Tools

5 Institutional Strategic ICT

6 Individual ICT Strategy Savvy

7 Glossary

Strategic ICT Toolkit Project

The Strategic ICT Toolkit Project (SICT) is a self-analysis toolkit to help higher education institutions (HEIs) to analyse, assess and develop their strategic use of information technologies.

Developed by The University of Nottingham, this toolkit supports senior management in HE in developing towards more strategically directed ICT deployment. This project drew on the experience, insights and existing practices of a representative sample of HEIs to develop a toolkit to stimulate their understanding and support institutional development. This project was commissioned by The Joint Information Systems Committee (JISC) and the Leadership Foundation for Higher Education (LFHE).

[View online toolkit »](#)

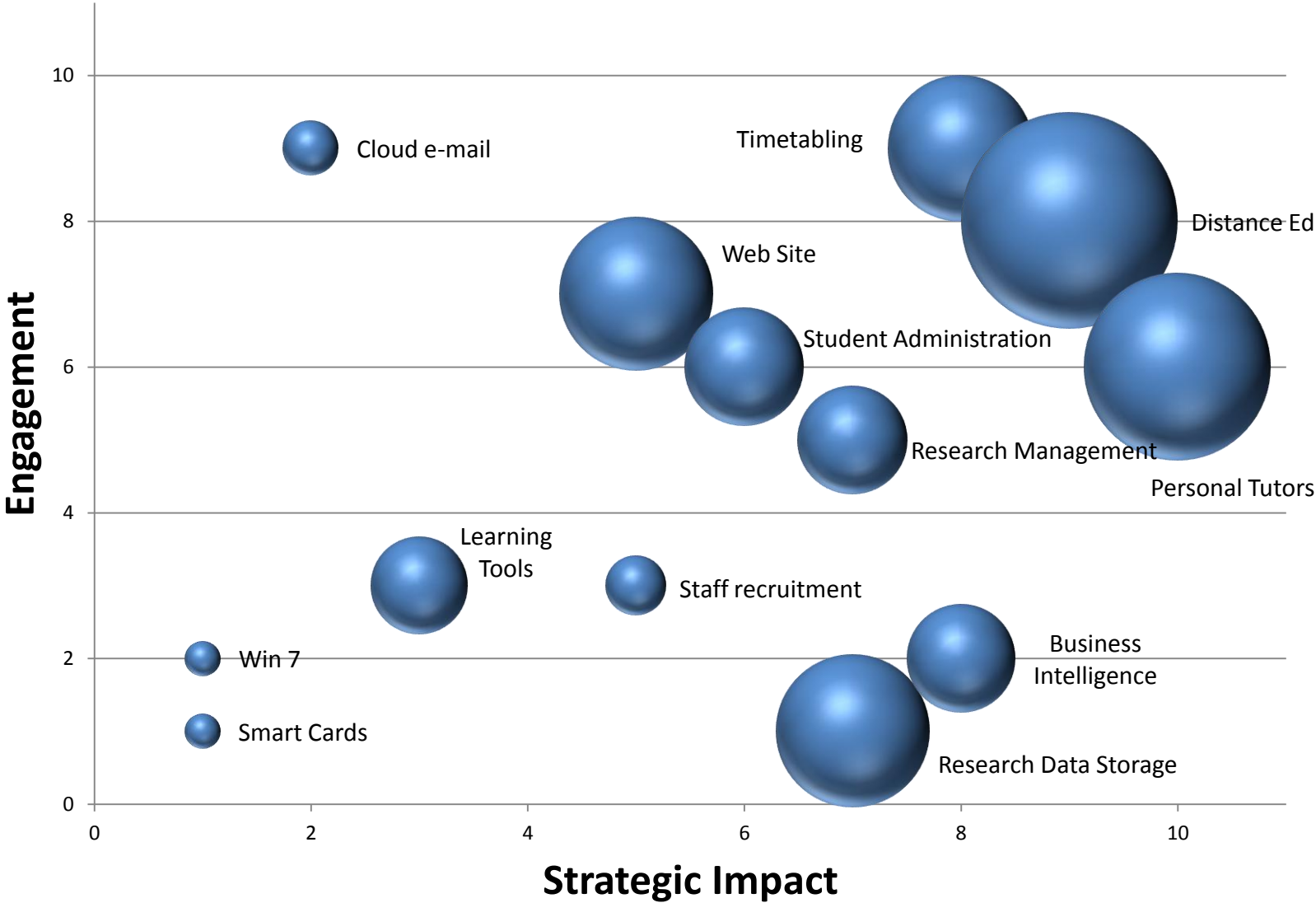
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Capacity: Modelling & visualising current & planned investments



Broad directions for IT investments

adapted from EDUCAUSE

Desired actions

A. Investments that facilitate improved student retention/progression

B. Investments that help increase revenues

1. Recruitment students, new formats of teaching, increased research grant success, new research areas, enhancements to fundraising

C. Investments that reduce operating costs

1. Measure costs + manage costs
2. Process efficiency gains
3. Workplace design
4. Shared services

Consequences

- a) Source commodity IT services differently
- b) Operate with maximum transparency
- c) Reinvigorate IT governance
- d) Develop new competencies in IT organisations



Thank you for listening....