



Challenges, **blockers** and planning for success

From the CIO point of view

CAUDIT

Council of Australasian University Directors of Information Technology

CAUDIT MEMBERS

- All Australian universities
- All New Zealand universities
- 3 PNG universities
- 2 Fiji universities
- 6 Australian research bodies
- The College of Law
- UTS:Insearch

CAUDIT's purpose is
to support each other
in **leading** the **application** of digital capabilities
to **transform** education and research.

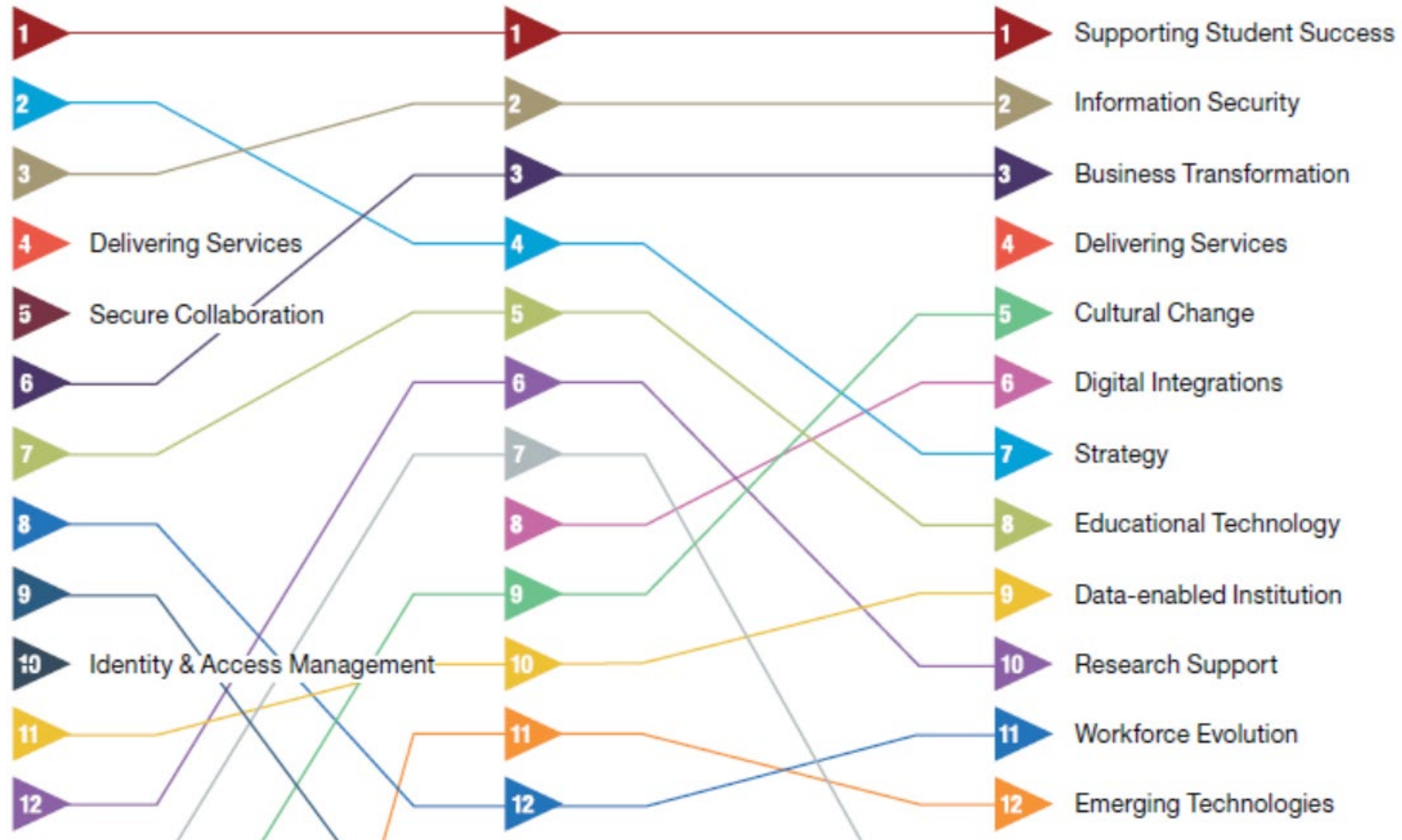


Challenges

2017

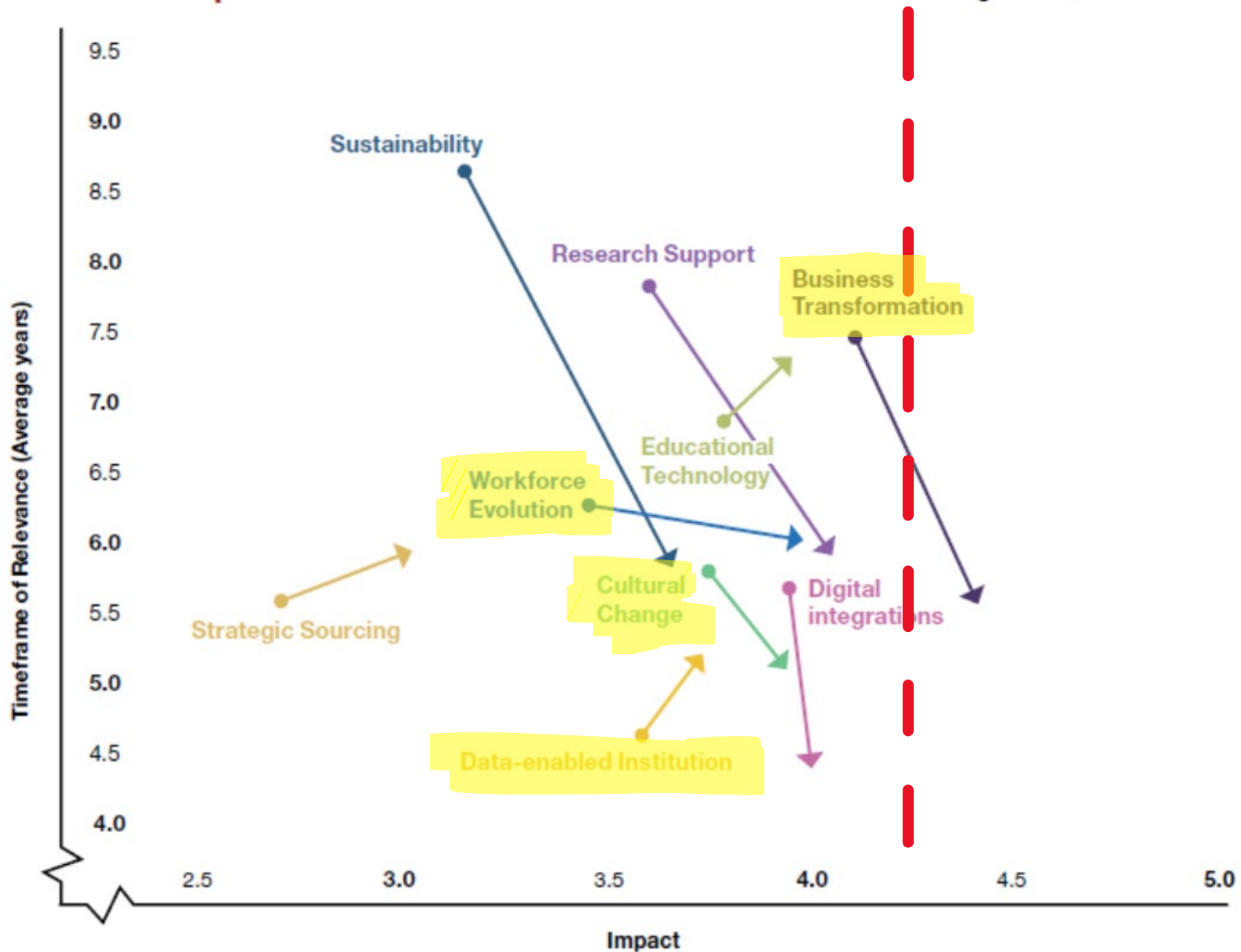
2018

2019

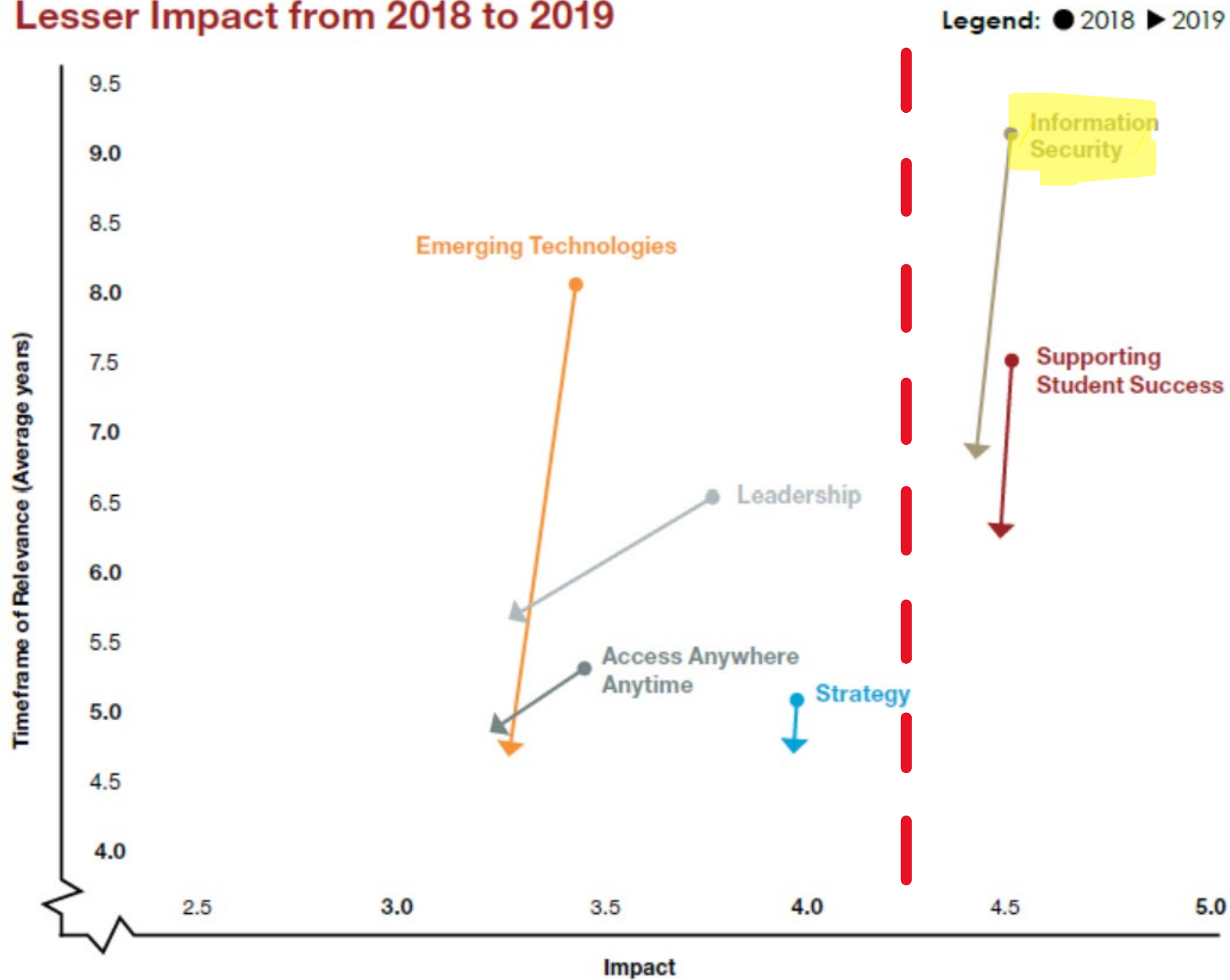


Greater Impact from 2018 to 2019

Legend: ● 2018 ► 2019



Lesser Impact from 2018 to 2019



#2 Information Security
#3 Business Transformation
#5 Cultural Change
#9 Data-enabled Institution
#11 Workforce Evolution

Blockers







BRENTON SCL 15







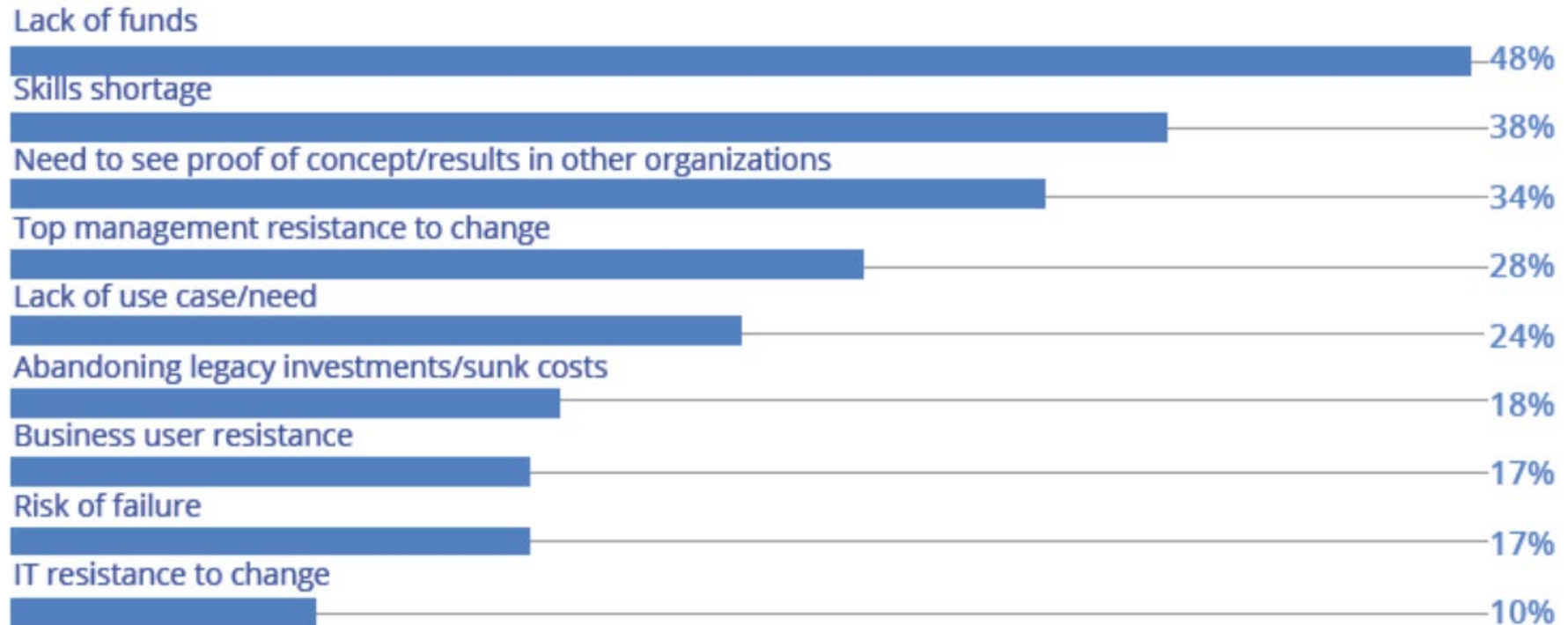






Barriers to the Adoption of New Technologies

What are the greatest barriers to the adoption of emerging technologies within your organization?



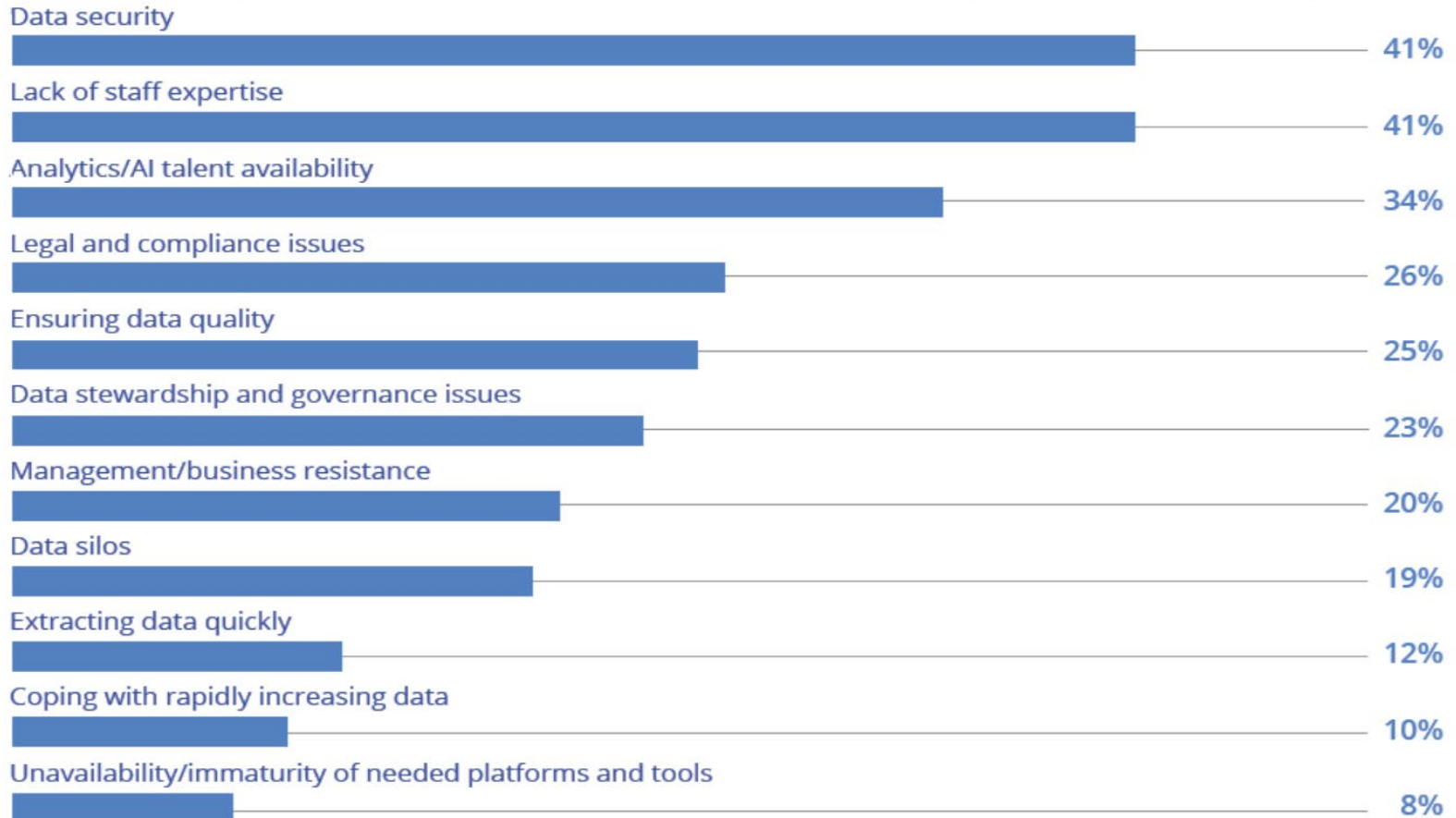
Note: Maximum of three responses allowed

Data: Interop survey of 181 technology professionals, March 2019

Ref: Interop.com Research Report: State of Emerging Technology June 2019
Survey of 181 technology professionals
14% in education (largest representation)

Barriers to Data Analytics and AI Success

What are the biggest barriers to success when it comes to data analytics and artificial intelligence?



Note: Maximum of three responses allowed

Data: UBM survey of 140 technology decision-makers, March 2019

Ref: Interop.com Research Report: State of IT April 2019
Survey of 140 technology decision-makers
11% in education (3rd largest representation)

Planning for Success



#2 Information Security
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Cybersecurity
Networks / Communities
Professional Development
Benchmarking

Cybersecurity



Proposal for CAUDIT members

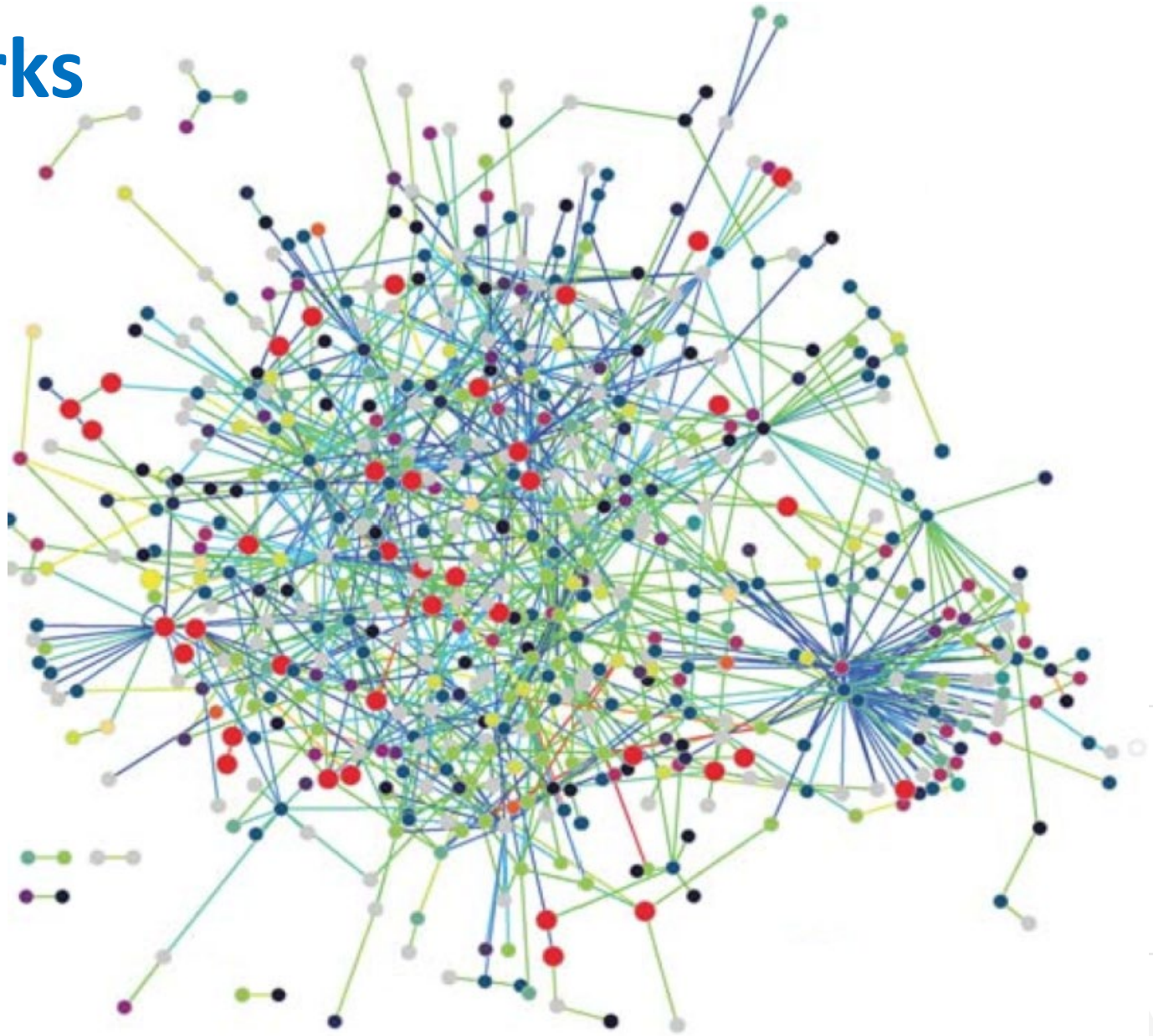
To help safeguard the digital assets and reputation of the HE sector and individual institutions

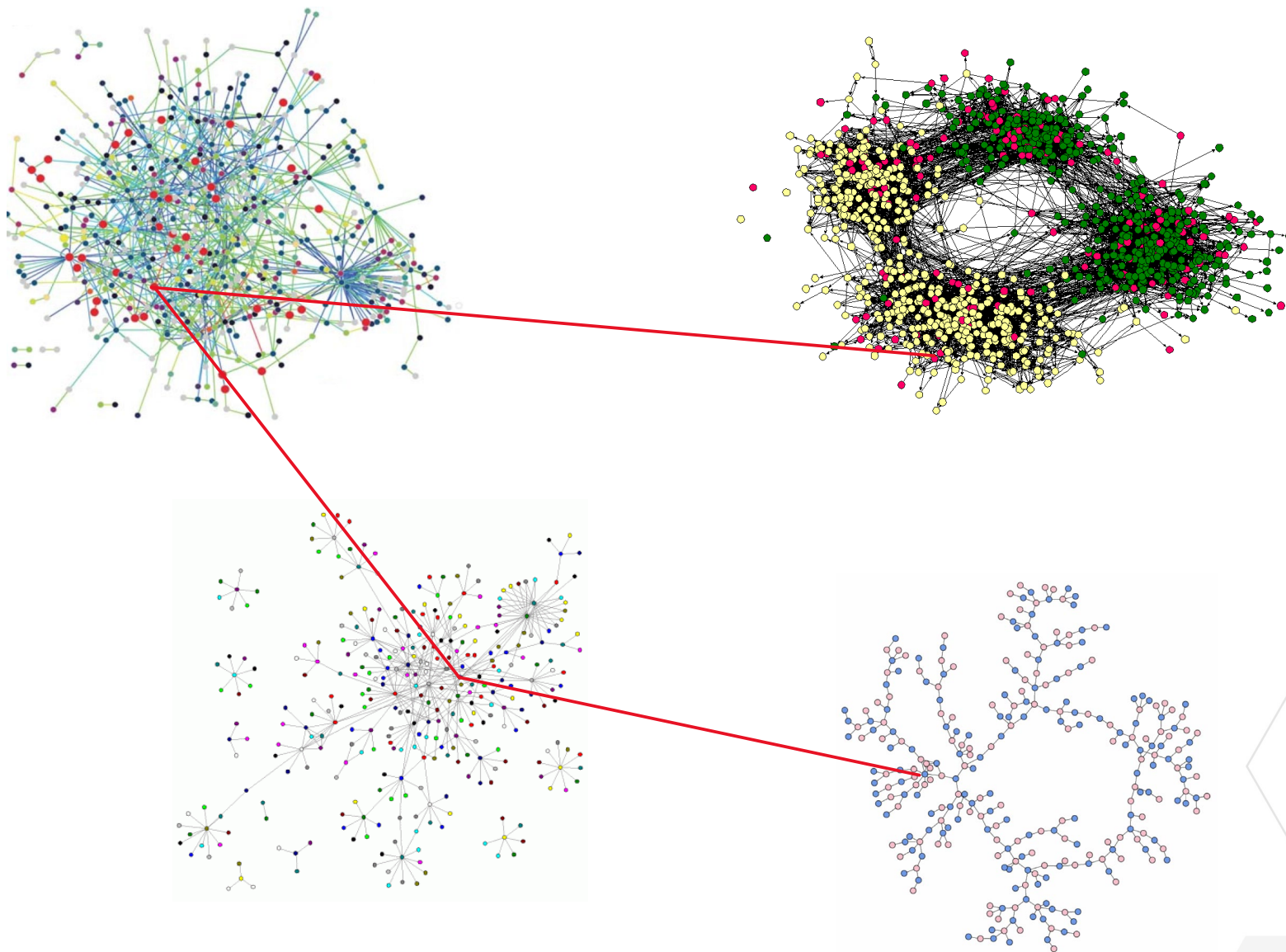
#3 Business Transformation
#5 Cultural Change
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Networks





Communities

CAUDIT Communities of Practice - 2019



Professional Development

Proposal for CAUDIT members

To build a 'future-ready' IT workforce – through a framework which drives improved behaviours by instilling an underlying leadership culture for the HE sector



#9 Data-enabled Institution

CAUDIT
 Centre of Academic University Directors of Information Technology

Well, we're both fruit.



CAUDIT Benchmarking



CAUDIT Complexity Index

The **CAUDIT Complexity Index (CCI)** is based on four key public measures available for all universities:

- Total number of students (EFTSL)
- Total number of staff (FTE)
- Research income (\$)
- Number and size of different university sites serviced by IT for an identified calendar year

Multistage process:

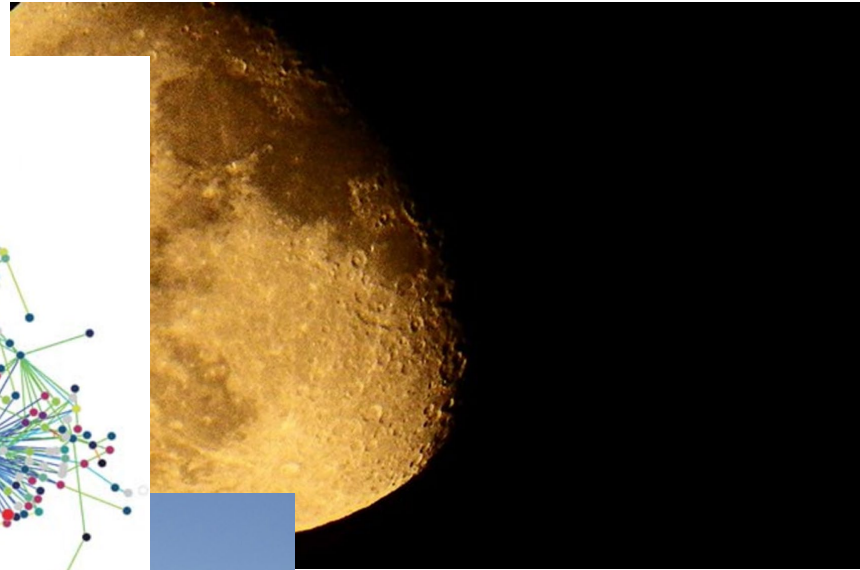
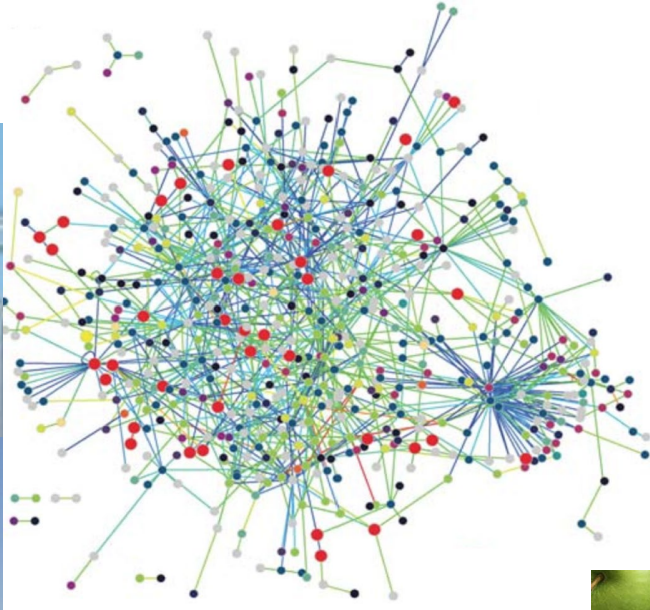
1. Index scale each component

$$Index\ Value_i = 1 + \frac{9 [Value_i - Min]}{[Max - Min]}$$

2. Apply prescribed weighting factors

3. Sum the four resultant weighted values

$$CI\ Value_i = [0.35 \times Staff] + [0.35 \times Students] + [0.25 \times Research] + [0.05 \times Geography]$$



Lots of moving parts!

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