

The Digital Challenge for HEIs today is Philosophical First Organizational Second; It is not Technology

نحو بناء أمة معرفة ••• Towards a Knowledge Nation



Darwin

Image: Dreamstime.com

**“It is not the strongest of the species that survives, nor the most intelligent that survives;
it is the one most adaptable to change.”**



Image: Chiefexecutive.net

Abstract

- Types of data required to inform decision making
- Challenges / Values / Risks
- One size data sets not being **fit for purpose**
- **Value** of staff knowing what data is available and how it can be used
 - ❖ to support achievement of goals/targets
 - ❖ student success (individual)
 - ❖ HEI Mission and vision (organisational)
- Impact of **internal** vs **external** data sets to support strategic planning and promote sustainability and growth



Image: nmlink.com

Challenges

- Developing horizontal organisations in an age of vertical organisations
- Developing organisational awareness of data and analytics
- Building capability and a culture around data
- Connecting huge volumes of data across disparate datasets – fitness for purpose
- Shifting paradigms and 21st century students

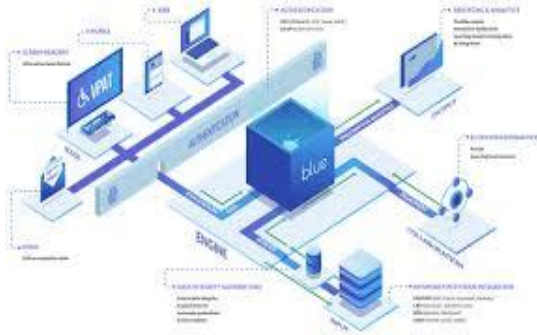


Image: Explorance - Blue

Value your Data

- Establish clarity on what data needs to be able to do for us
- Avoid the 'one size fits none' conundrum
- Avoid ambition exceeding requirements
- Volume/frequency of data collection = what data is used for (decision-making/enhancements)
- Classify data for its importance inside and outside of the organisation



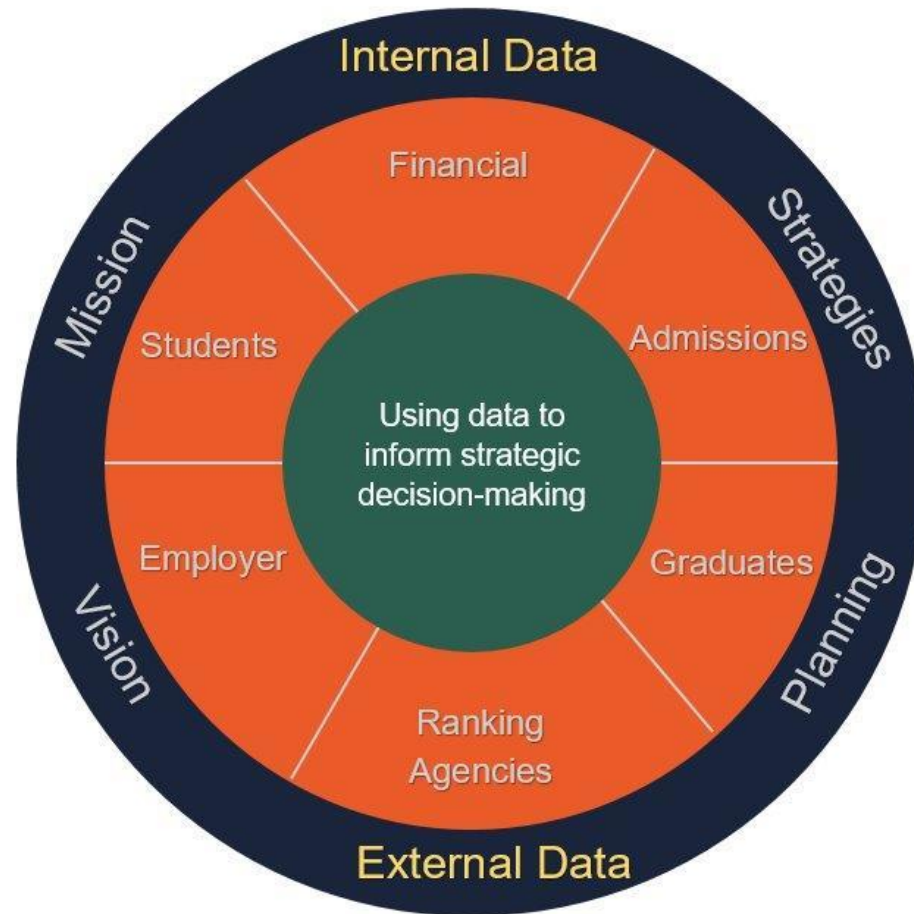
Data Risks



Image: mindstick.com

- Ambition exceeding need
- Misconception: bigger does not always make better
- One size does not fit all
 - ❖ Stop and think – don't just use data you already have, use data you need
 - ❖ Should not provide answers, but prompt questions
- Too much focus on external compliance
- Poor data integrity
- Lack of staff awareness and training

Using Data for Decision-making



Performance Metrics should be...

1. Strategic
2. Relevant
3. Defined
4. Quantitative
5. Achievable



Image: Becoming Human: Artificial Intelligence Magazine

Internal vs External Data

Internal: enhance performance and guide decision-making



Image: HETC University Project

External: enhance growth (attract students, funding and partnerships)


Internal Data

- Surveys
- Performance metrics
 - ❖ Admission indicators
 - ❖ Student outcomes
 - ❖ Research performance
 - ❖ Financial



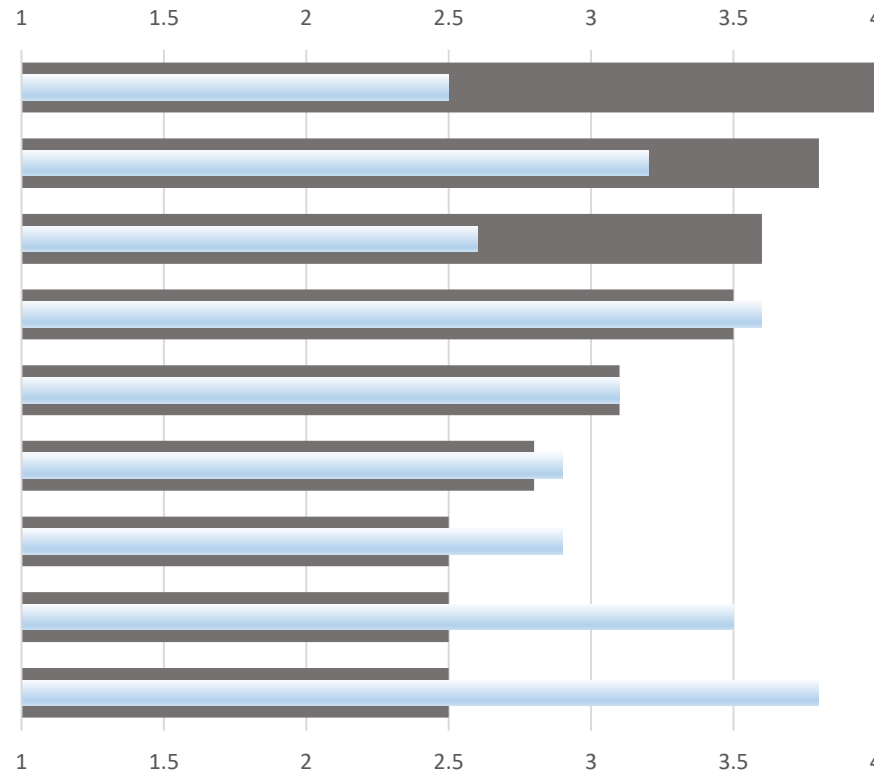
Image: qualtrics XM

Designing the Survey

- Satisfaction surveys
- Think and start small, not big
- Think ability to change
- Data  strategic plan
- Importance scale – actions and investigations

Sample Student Survey

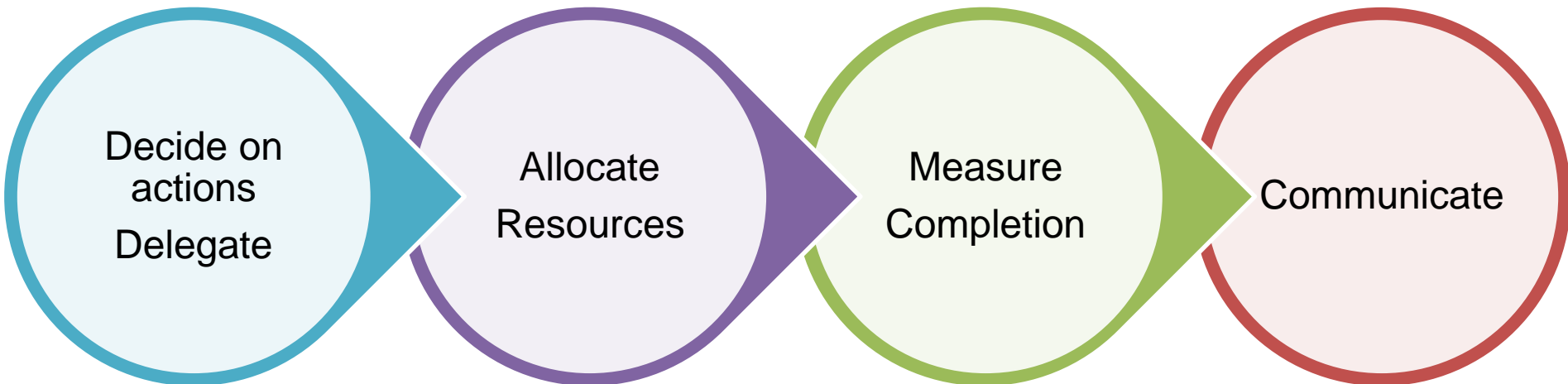
Student Survey Results



■ Importance ■ Satisfaction

Survey Action Cycle

Data from surveys designed to effect change



Importance of Communication

- Ensure your feedback is related to target group
- Present all findings, value in sharing negative results
- Communicate explicitly on actions resulting from surveys
- Present the action implementation plan
- Implement actions with minimal delay



Image: Unesco Project planner

External Data Sets

Graduate Destinations



Image: www.kiplinger.com

Employer Feedback



Image: Careercharts.co.uk

Ranking Agencies

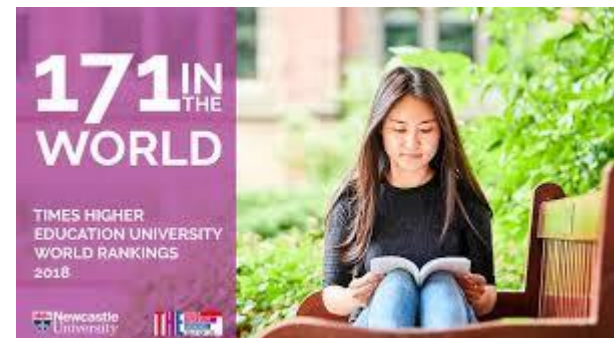


Image: Times Higher Education

External Data enables HEIs to...

- Ensure alignment with market needs
- Develop work-based / work-integrated learning models
- Identify short courses needs / training opportunities
- Generate more employable students

Employer Engagement

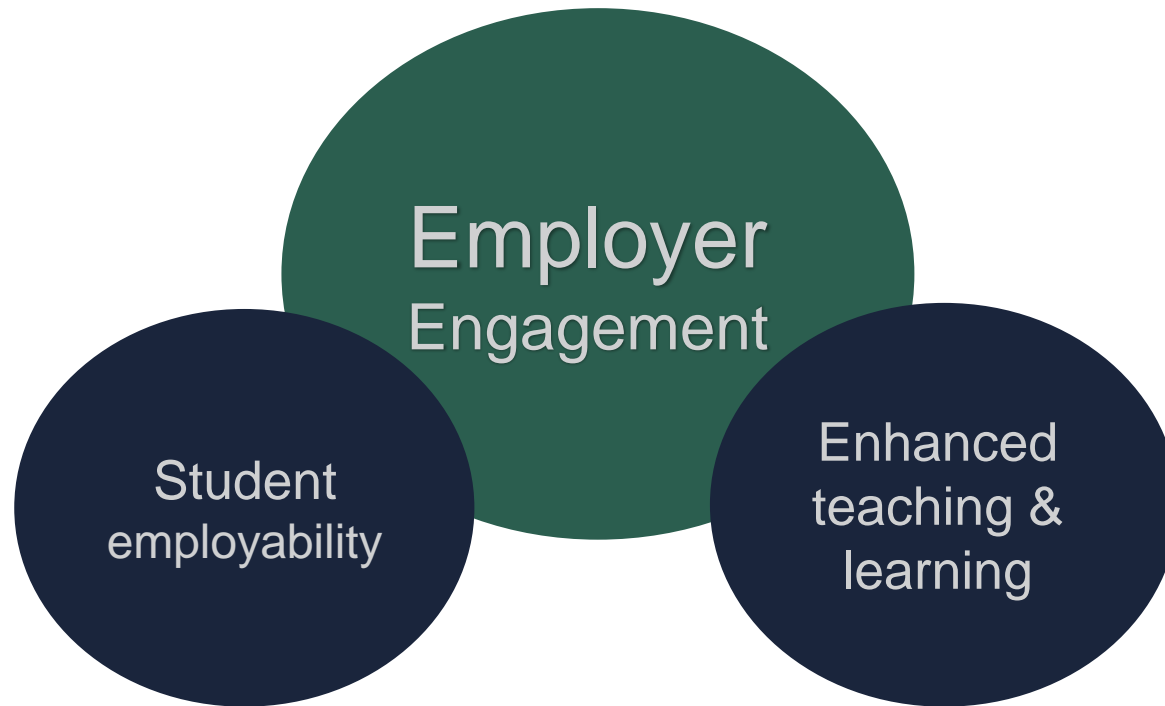




Image: uscib.org

HEI - Employer Link

- Enhancing student employability
- Embedding practical and vocational skills within the curriculum
- Providing access to practical/hands-on training and development opportunities
- Facilitate joint research on relevant business/industry needs
- Opportunities for partnerships (collaborative: enterprise / innovation /knowledge transfer)

Graduate Destinations Data

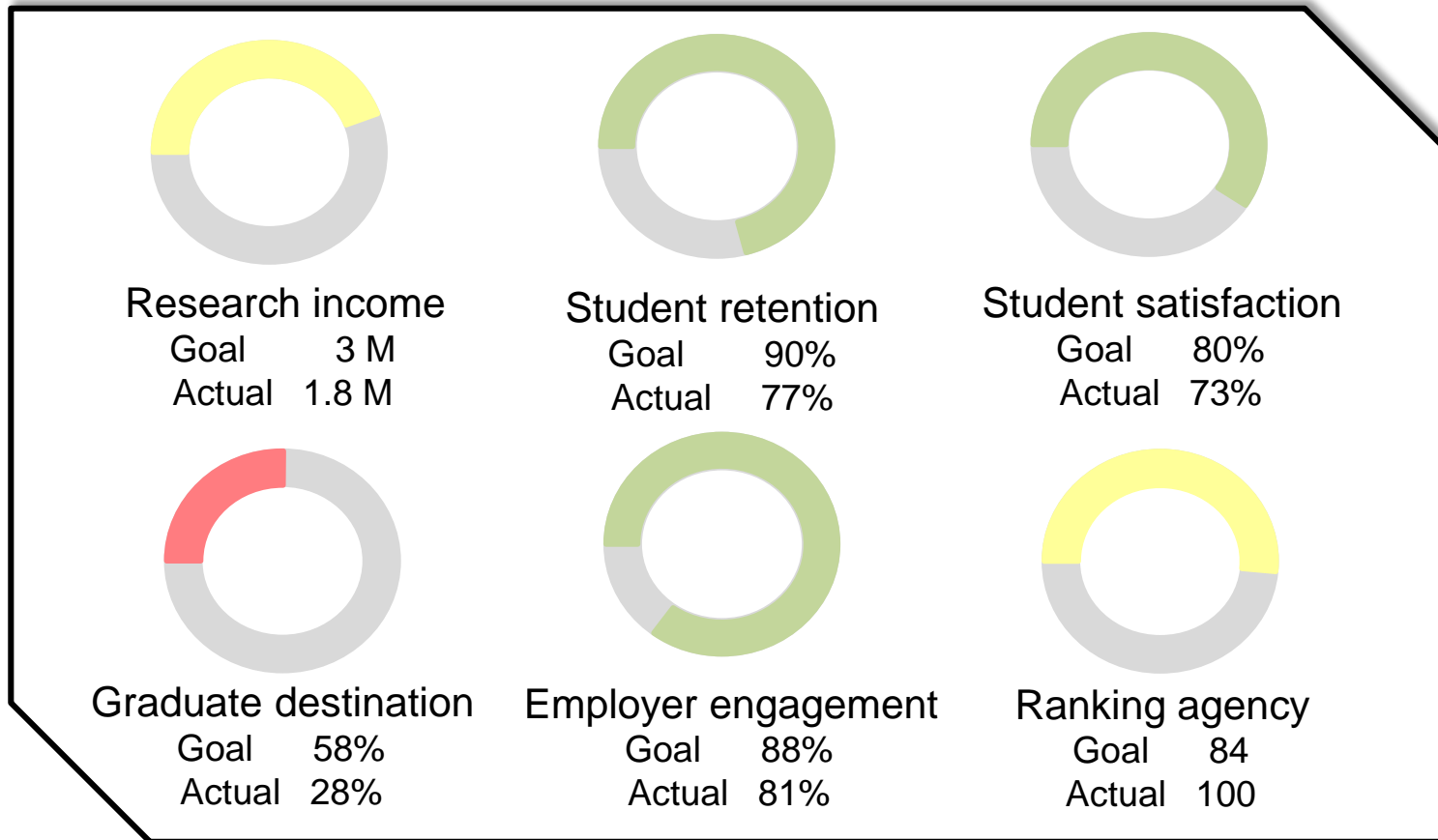
- Collected at national or regional levels
- Captures the perspectives and status of graduates
- Provides insight into career destinations and development
- Helps HEIs to evaluate their programs for effectiveness
- Helps HEIs to promote themselves
- Helps governments and society to understand the HE sector and the state of the graduate labour market

Ranking Agency Data

- Helps maintain and build institutional position and reputation
- Used by students 'shortlist' university choice, especially postgraduates
- Used to influence decisions on accreditation, funding, sponsorship and employee recruitment
- Barometer for HEI success in delivering the United Nations' Sustainable Development Goals
- Benchmark for achieving excellence

Sample Dashboard

Y3 Performance Metrics Report – Achievement vs Goal



Ingredients to Success

- Concentrate on variables within your power to change
- Concentrate on enquiries where you can obtain the relevant data, and linked to strategic plan
- Move away from data silos – think horizontally and engage your people with institutional data sets
- Be flexible, and willing to change and adapt
- Stay focused



Image: UBAsuccess2

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شكراً Thank you

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