

2023
STATE OF THE
DATA NATION



The law...



- Moore's Law – transistors on a slice of silicon
- Keck's Law – fibre-optic capacity
- Haitz's Law – LED lumens per dollar
- Koomey's Law – computations per joule of energy

**Exponential growth in the power of information
technology**

Foresight



Insight

Intelligence

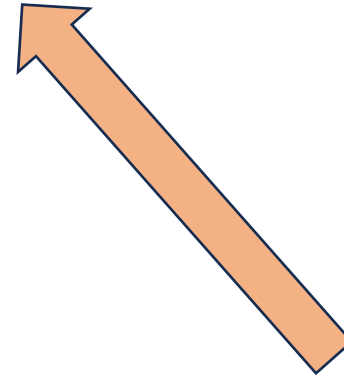
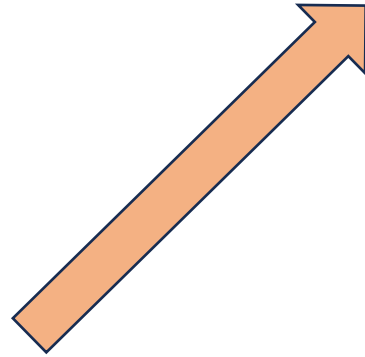
Information

Statistics

Data



Value



Technology

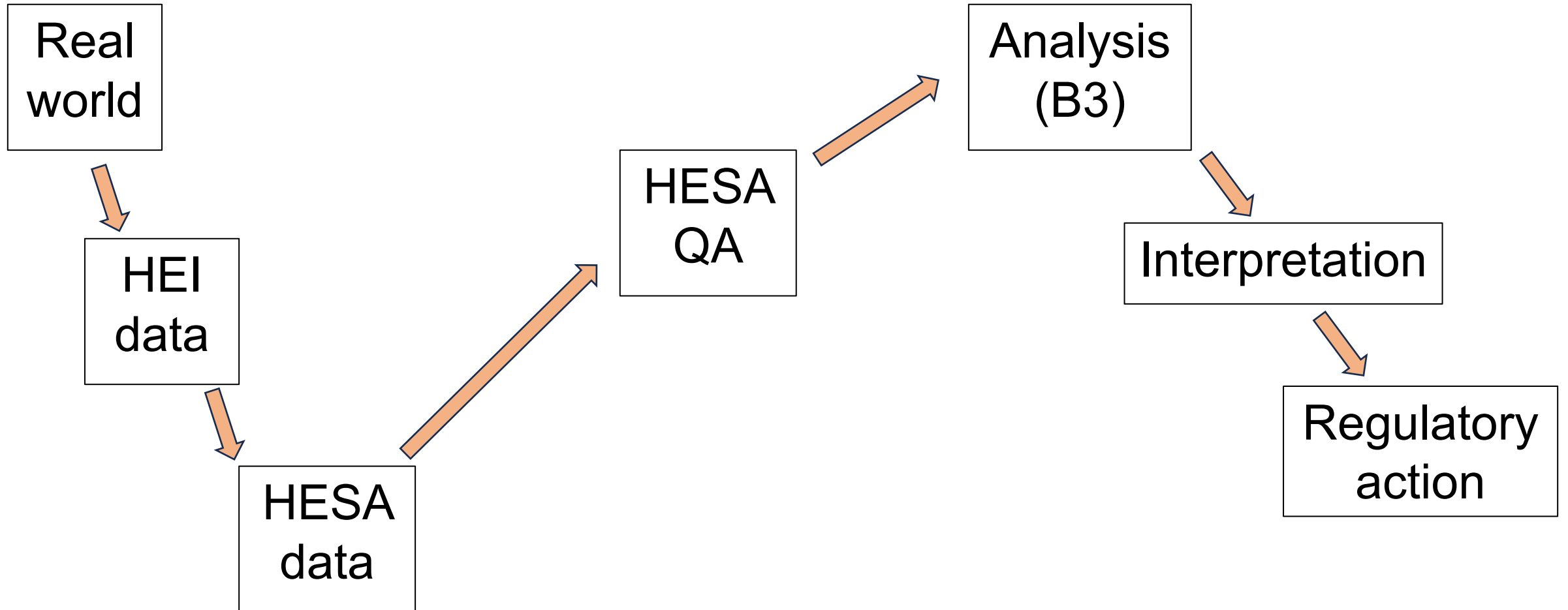
Humans







Reality to regulation



Data in funding and regulation



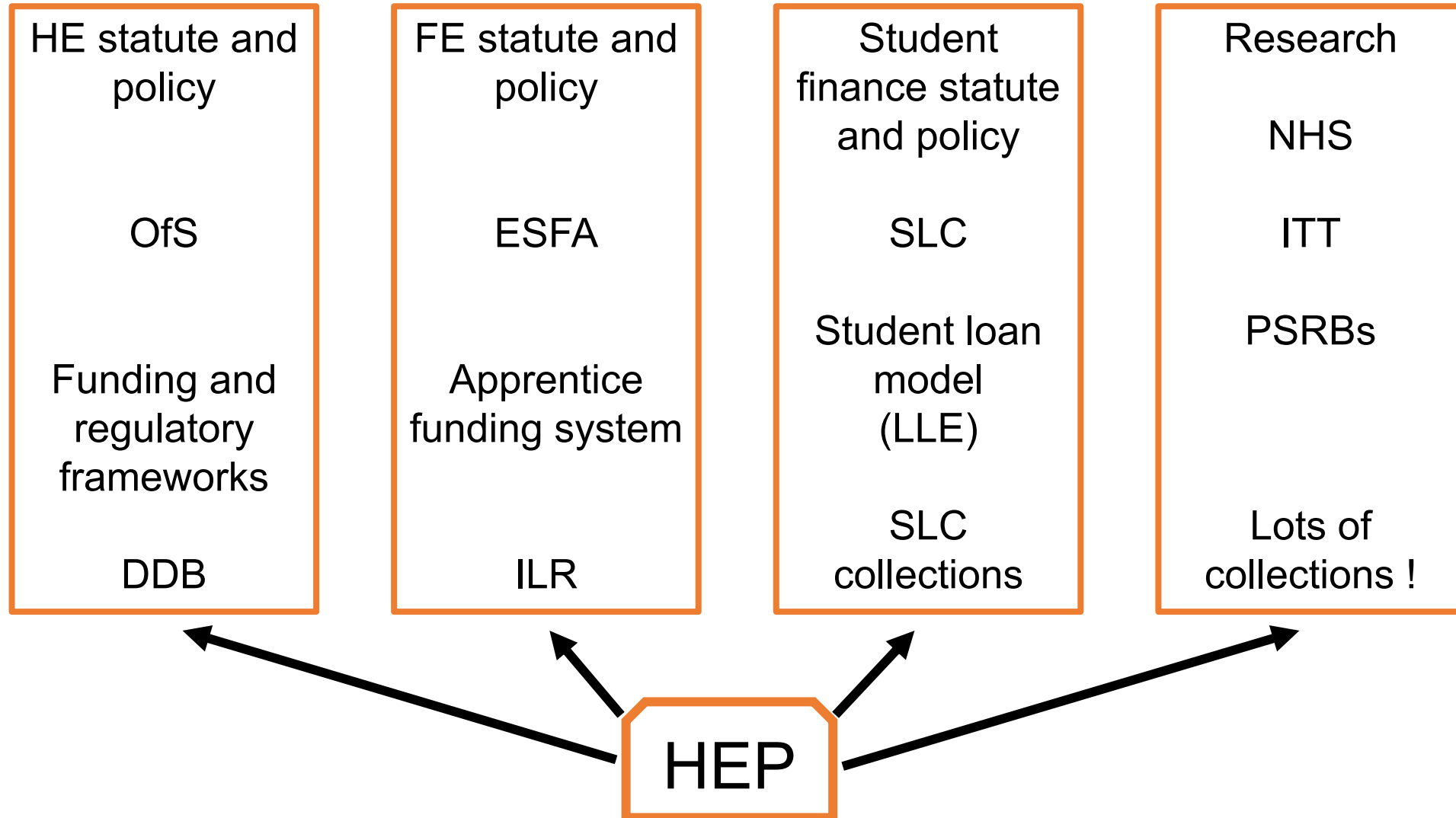
- False positives
- False negatives
- Governance of analysis and processing
- Burden vs value

Data burden

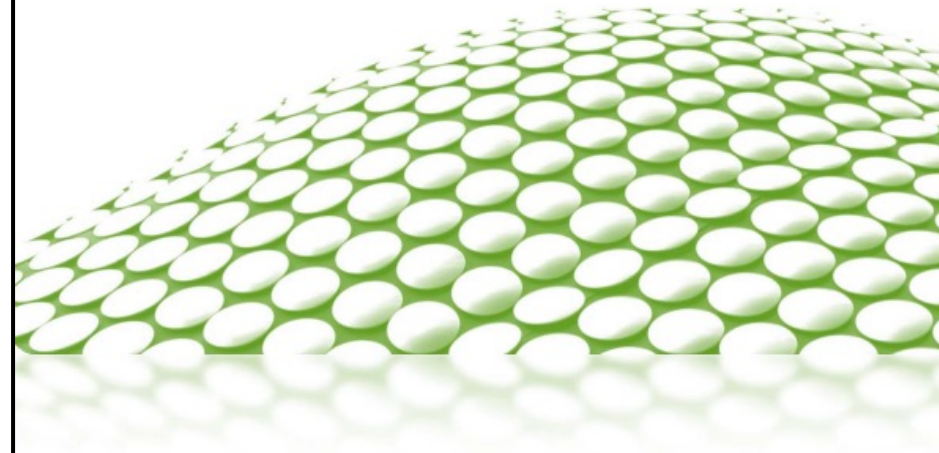


- Analysis of burden
 - Fixed burden
 - Variable burden - complexity and fit
- Increase in complexity
- Increase in scope

Data duplication



What is a Course*?



*or Programme or Route or Pathway or
Learning Opportunity...

JISC

HESA
HIGHER EDUCATION
STATISTICS AGENCY





TRIBAL

 ellucian

 **technologyone**
business software solutions

UNIT4

ESS | Education
Software
Solutions

ORACLE

PeopleSoft



In partnership with
WONKHE



Advance HE Insight: The changing people needs of higher education in the years ahead

An independent report for Advance HE by Wonkhe



Helping higher education providers be the best they can be by unlocking the potential of their people.

Data Futures



- 7 years of gestation
- Changes, re-scoping and rescheduling
- Data-stakes are higher than ever
- Stress and bewilderment

The state of the data nation



- Growing gap between expectations and capabilities
- Develop and embed governance of data processing

- Increasing complexity and burden
- Leadership and oversight of the data landscape

- Mis-alignment of systems, organisations and skills
- Data and digital at the heart of organisational development



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