

GEUM Initiatives in the UK

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Research Team

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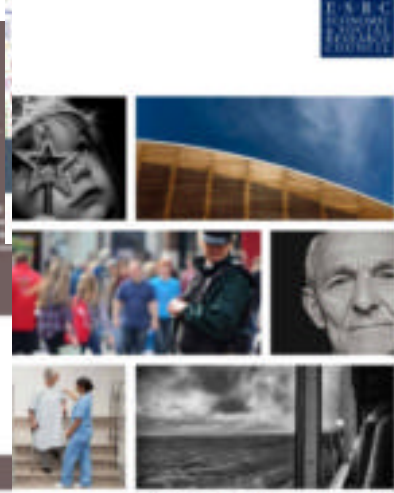
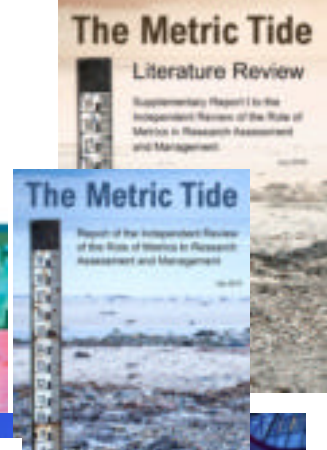
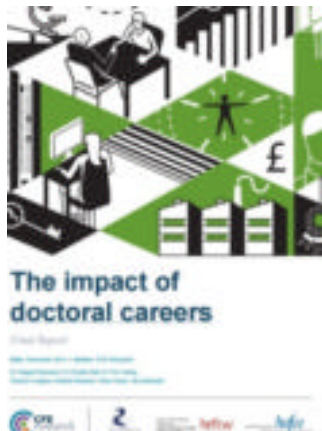


Available Census Data



- Research Excellence Framework (REF) <http://www.ref.ac.uk/>
 - Publications
 - Impact cases
 - Research groups
 - Staff members
 - Research outputs
 - Environment evaluation
- Gateway to Research <http://gtr.rcuk.ac.uk/resources/about.html>
 - Publicly funded research
 - Projects
 - Outcomes
- Researchfish <http://www.researchfish.com/>
 - Comprehensive Reporting of Research Outcomes (*over 140 member institutions and growing*)
- Hefce <http://www.hefce.ac.uk/pubs/rereports/Year/2016/ketech/Title,109539,en.html#index>
 - REF Impact <http://www.hefce.ac.uk/rsrch/REFimpact/>
- UK DATA Archive <http://www.data-archive.ac.uk/>

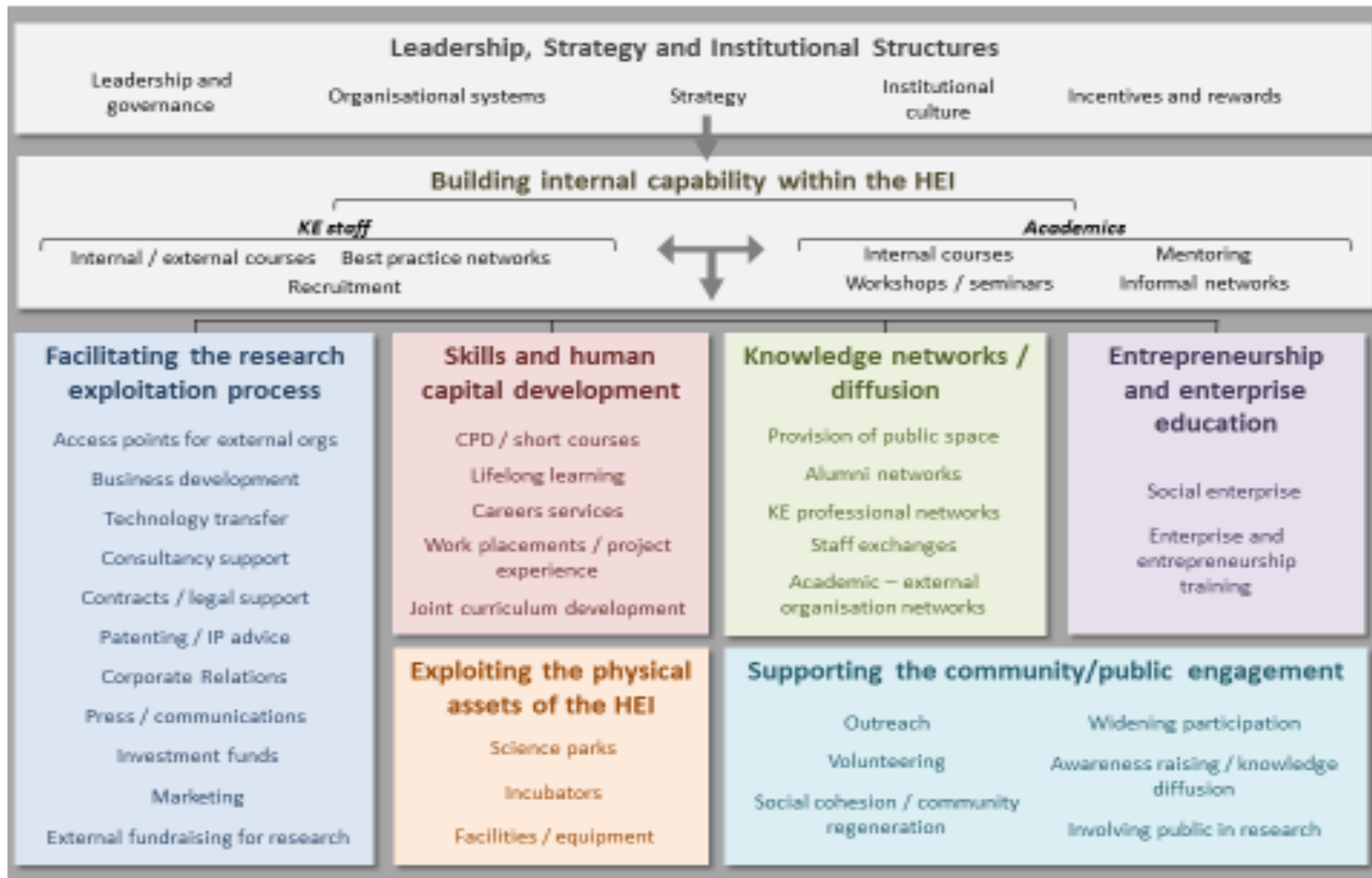
The UK Metrics Industry



Drivers of the Metric Tide

- To communicate with stakeholders
- To provide a strong evidence base to support continued funding
- To justify efficient public spending
- To support performance evaluation
- To enable evidence based policy/strategy discussions
- To support accountability in funding decisions
- To support an improved understanding of research

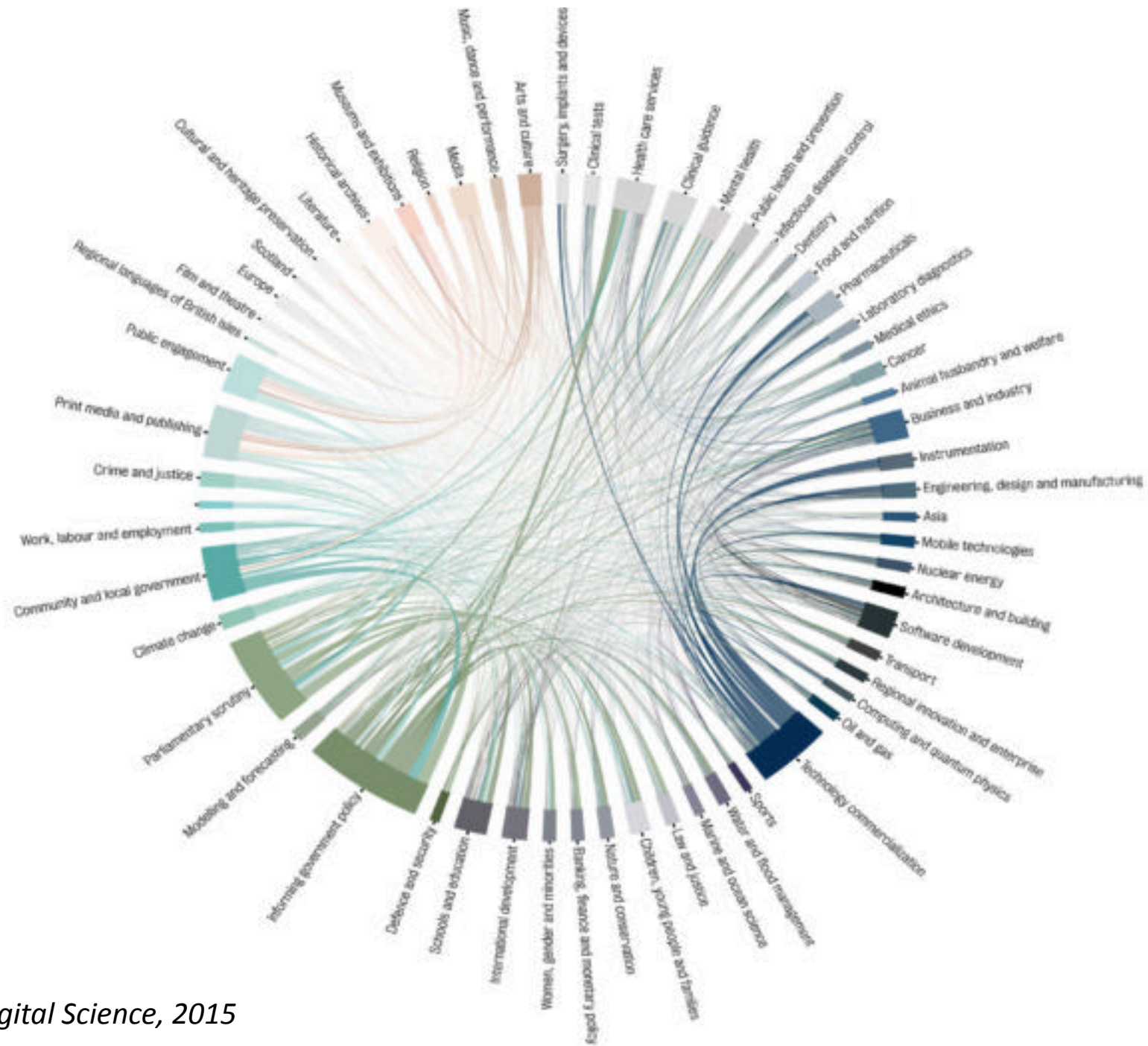
Example of Measuring HE Institutional Performance (KE Capacity and Competencies)



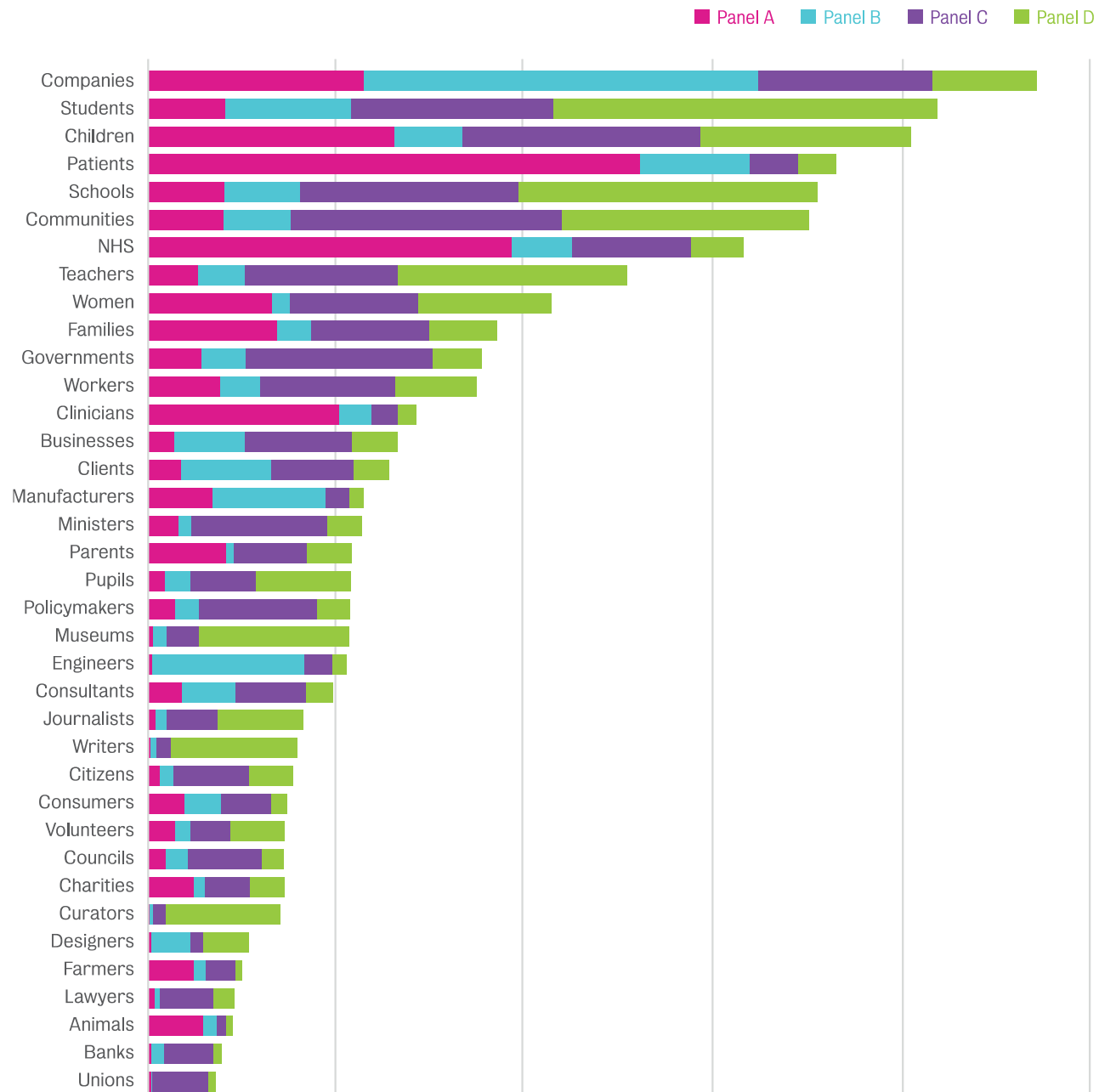
Source: T Coates-Ulrichsen, Centre for Science, Technology and Innovation, University of Cambridge, In: *University Knowledge Exchange (KE) Framework: good practice in technology transfer. Report to the UK higher education sector and HEFCE by the McMillan group*, September 2016.

UK metrics-based policy instruments to incentivise HEIs' KE engagement

- **Higher Education Business and Community Interaction (HEBCI)** survey: collects data on HEIs KE performance (1999-)
- **Higher Education Innovation Fund (HEIF)**: awarded to HEIs based on their KE performance (about £130 million per year) (2001-)
- **Research Excellence Framework (REF)**: assigns part of research funding based on research impact cases (20% of all research funds) (2014-)
 - Impact case studies allow HEIs to showcase a **much broader range of KE impacts than standard metrics** like those collected through HEBCI



Source: Digital Science, 2015



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GEUM UK: Addressing key issues in impact assessment

- **THEME 1: Promoting better impact assessment**
 - How do KE processes generate impact?
 - Are there differences between institutions, subjects, locations, in how impact is generated?
 - What are the relevant dimensions to be considered in impact assessment?
- **Method:** Content analysis of existing case studies extracted from the REF impact case studies database



GEUM UK: Addressing key issues in impact assessment

- **THEME 2: Promoting better understanding of the role of institutions in impact generation processes**
 - What are the business and university institutional support structures, competencies and practices that support impact generation processes?
 - How do these elements support impact from interdisciplinary research?
- **Method:** Qualitative interviews with actors involved in the preparation of REF impact case studies



GEUM UK: Addressing key issues in impact assessment

- **THEME 3: Promoting better use of existing impact case studies data (7000+ case studies from REF 2014)**
 - Can we derive more standardized metrics to capture research impact from existing case studies?
- **Method:** Text mining of existing case studies extracted from the REF impact case studies database



Research plan



Theme 1: Promoting better impact assessment

Review of literature and evidence

Content analysis of impact cases

Theme 2: Promoting better understanding of the role of institutions in impact generation processes

Qualitative interviews with stakeholders involved in impact case studies preparation

Theme 3: Promoting better use of existing impact case studies data

Text mining of impact cases with the purpose of identifying new metrics

