



Sausages, evidence and policy making: The role for universities

Professor Jonathan Grant

The Policy Institute, King's College London

jonathan.grant@kcl.ac.uk

@jonathancgrant



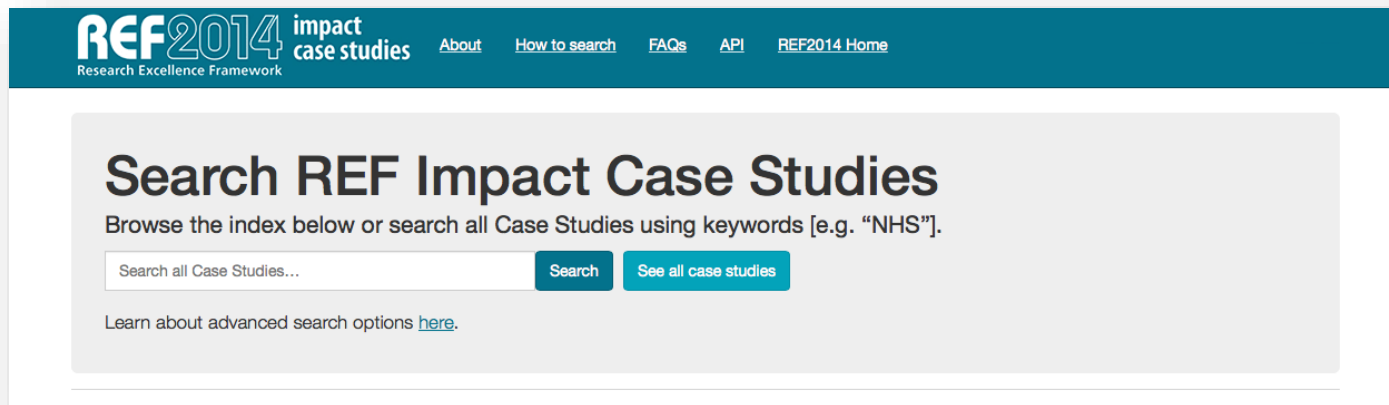
Key arguments

- Examine the role of universities in supporting better policy making
- Through the lens of 'post-truth politics'
- Make case that the role of the university in society is under serious threat
 - We need to change what we do and how we do it
 - But we also need to defend why universities matter



Analysis of REF impact case studies

- REF is the Research Excellence Framework, the successor to the Research Assessment Exercise (RAE), which has assessed the quality of research in UK universities every five years since 1986
- For the first time, REF assessed the impact of research
- Impact is defined as: *“any effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia”*



The screenshot shows the top navigation bar of the REF2014 impact case studies website. The navigation bar is dark teal and contains the following elements from left to right: the REF2014 logo (Research Excellence Framework), the text 'impact case studies', and several menu items: 'About', 'How to search', 'FAQs', 'API', and 'REF2014 Home'. Below the navigation bar is a large grey search box with the heading 'Search REF Impact Case Studies'. Underneath the heading is the instruction 'Browse the index below or search all Case Studies using keywords [e.g. "NHS"]'. There is a search input field with the placeholder text 'Search all Case Studies...', a 'Search' button, and a 'See all case studies' button. At the bottom of the search box, there is a link: 'Learn about advanced search options [here](#)'.

The nature, scale and beneficiaries of research impact

An initial analysis of Research Excellence
Framework (REF) 2014 impact case studies

King's College London and Digital Science

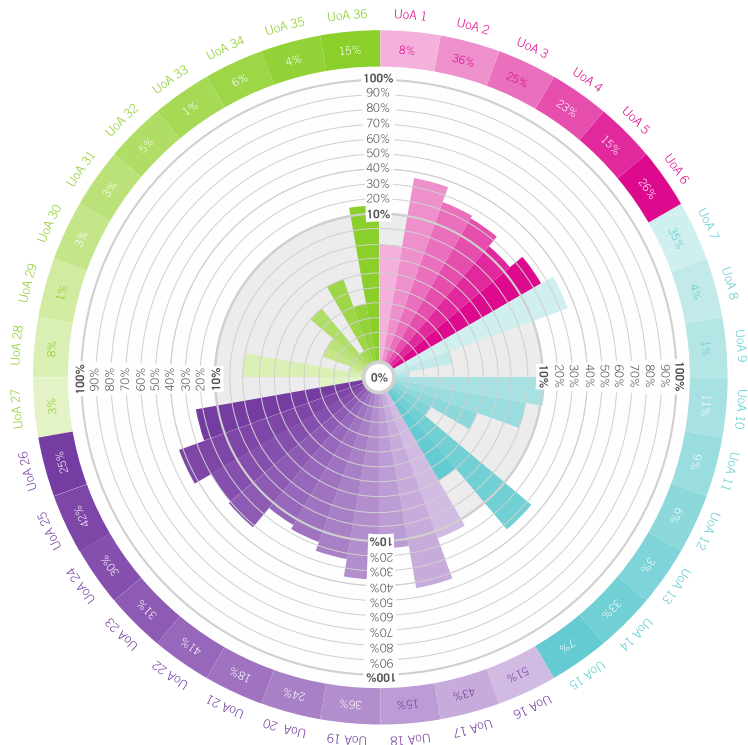
Prepared for the Higher Education Funding Council of England, Higher
Education Funding Council for Wales, Scottish Funding Council,
Department of Employment and Learning Northern Ireland, Research
Councils UK and the Wellcome Trust



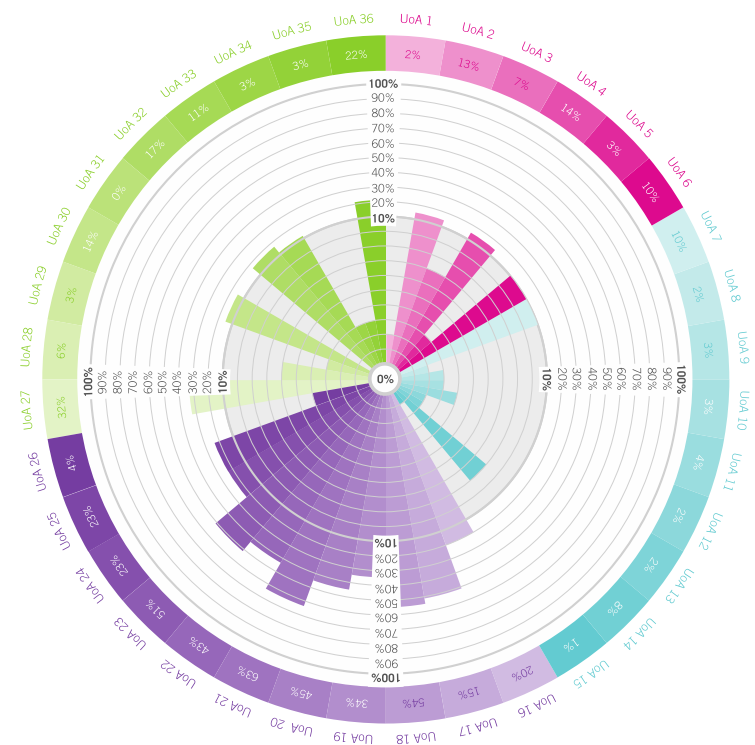
March 2015



The most frequent impacts were on informing public policy and parliamentary scrutiny



‘Informing government policy’
(develop polici nation plan govern inform work strategi assess)
 (n=1233)



‘Parliamentary scrutiny’
(polit elect parti democraci elector vote candid poll pd)
 (n= 983)

Overlap between these two topics was 192 case studies
 (small in number, but this is largest overlap overall)

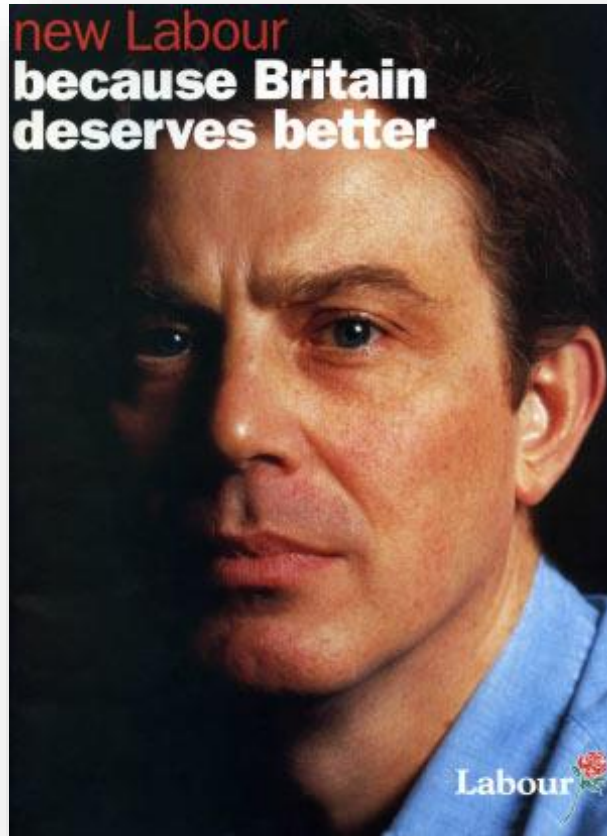
Take-home messages

- ① Universities make a significant contribution to informing public policy and parliamentary scrutiny
- ② That contribution arises from the majority of disciplines

(Suspect argument applicable to other impacts)



Political commitment to 'evidence' for nearly a generation



“New Labour is a party of ideas and ideals but not of outdated ideology. **What counts is what works**. The objectives are radical. The means will be modern.”

– **New Labour election manifesto, 1997**

“We'll stop the health department endlessly measuring processes, and concentrate on outcomes – the 'what' not the 'how' ... that means that **health policy can become evidence-based rather than target-driven** – delivering not only equity, but excellence and value for money too.”

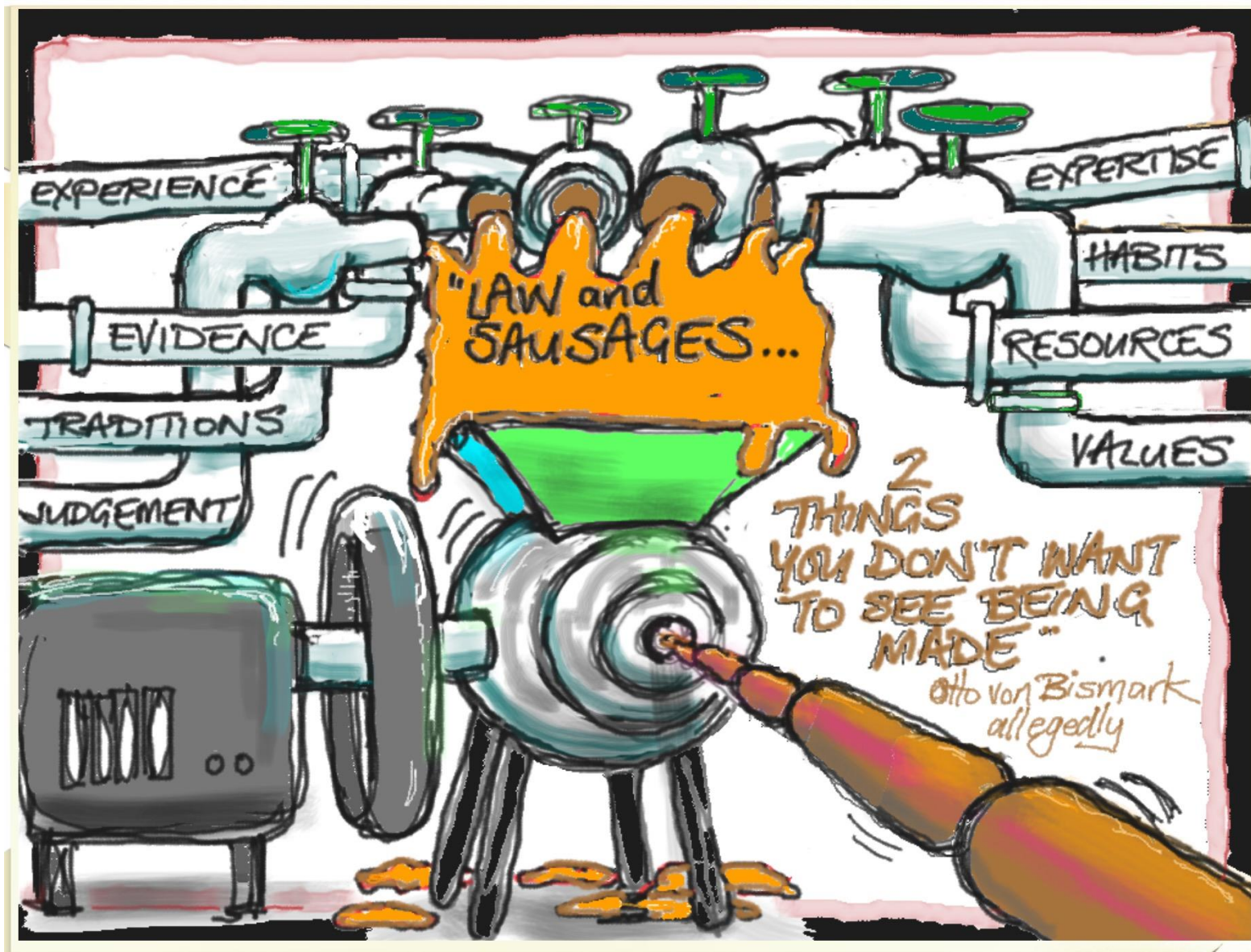
– **David Cameron, 2003**

“**We will put evidence at the heart of what we do**. We will improve our data, analysis and research capability, so that we can give officials and frontline staff access to evidence about what works, helping to deliver the best outcomes for citizens.”

– **UK Ministry of Justice Departmental Plan, 2016**



Policy makers use multiple inputs ...



... and have different notions of evidence

- Researchers' evidence
 - 'Scientific' (context-free)
 - Proven empirically
 - Theoretically driven
 - As long as it takes
 - Caveats and qualifications
- Policy makers' evidence
 - Colloquial
 - Anything that seems reasonable
 - Policy-relevant
 - Timely
 - Clear message

Source: Lomas, 2005



... which is used in different ways ...

- Enlightenment model
 - Gradual 'sedimentation' of ideas
- Political model
 - Research used as ammunition in an adversarial system
- Tactical model
 - Research is response for action by policy maker
- Knowledge-driven
 - Research generates knowledge that impels action
- Policy-driven
 - Identification of problem 'customer' who requests solutions from research
- Social interaction
 - Iterative interactions between researcher and policy maker; exposed to each other's worlds

Source: Hanney et al 2002



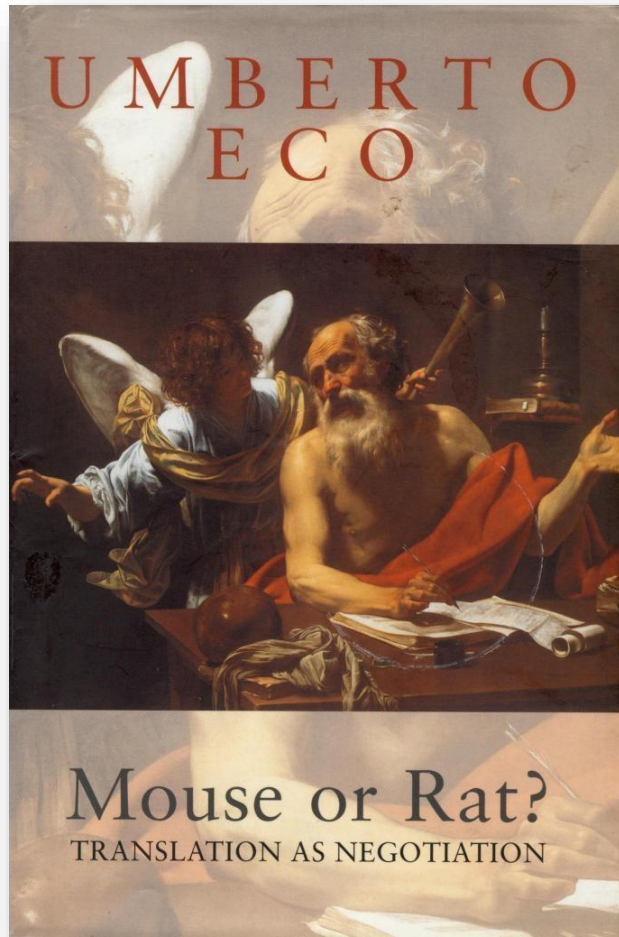
... with different consequences

Top 5 barriers to use of evidence	Top 5 facilitators of evidence use
• Availability and access to research/improved dissemination (n = 63)	• Availability and access to research/improved dissemination (n = 65)
• Clarity/relevance/reliability of research findings (n = 54)	• Collaboration (n = 49)
• Timing/opportunity (n = 42)	• Clarity/relevance/reliability of research findings (n = 46)
• Policymaker research skills (n = 26)	• Relationship with policymakers (n = 39)
• Costs (n = 25)	• Relationship with researchers/info staff (n = 37)

Translation • Trust • Timing

Source: Oliver (2014)

Knowledge needs to be ‘localised’ into the language and context of the policy maker



“Translation is always a shift, not between two languages but between two cultures – or two encyclopaedias. A translator must take into account rules that are not strictly linguistic but, broadly speaking, cultural.”



... with different consequences

Top 5 barriers to use of evidence	Top 5 facilitators of evidence use
• Availability and access to research/improved dissemination (n = 63)	• Availability and access to research/improved dissemination (n = 65)
• Clarity/relevance/reliability of research findings (n = 54)	• Collaboration (n = 49)
• Timing/opportunity (n = 42)	• Clarity/relevance/reliability of research findings (n = 46)
• Policymaker research skills (n = 26)	• Relationship with policymakers (n = 39)
• Costs (n = 25)	• Relationship with researchers/info staff (n = 37)

Translation • Trust • Timing

Source: Oliver (2014)

The Policy Institute at King's



**Delivering
policy analysis**

**Building
partnerships**

**Mobilising
policy impact**



Take-home messages

- ① Universities make a significant contribution to informing public policy and parliamentary scrutiny
- ② That contribution arises from the majority of disciplines
- ③ The translation of research to policy is messy and complicated, requiring skills that are not valued or abundant in universities



The existential threat to universities

- 'Nothing works' fatalism
- Political opportunism of anti-intellectualism, ie Brexit and Trump
- ... In the context of 'instrumental' view of a university



Observed in the US through ‘Trumpism’



Donald Trump, US Presidential Candidate, 2016

“I think a lot of us are simply dumfounded that we’ve seen the support that’s been evidenced for Mr Trump ... On the core issue of the role of ideas, of facts, and whether they matter in contemporary political discourse, we are observing something that is deeply unsettling.”

– Robert Daniels, President of Johns Hopkins University
Source: THES (2016)



Observed in the US through ‘Trumpism’



Donald Trump, US Presidential Candidate, 2016

“Have universities in the United States and indeed internationally been successful in mustering up analysis [and] policy recommendations that are able to infiltrate the political process and bring our practical ideas to bear? ... Have we been effective as institutions ... in [producing a] comprehensive package that could respond to these issues?”

– Robert Daniels, President of Johns Hopkins University
Source: THES (2016)



And in the UK through Brexit



“People in this country have had enough of experts”.

Michael Gove, former UK Secretary of State for Education, 2010-2014, Secretary of State for Justice, 2015-2016. Key campaigner to leave EU



And in the UK through Brexit



Michael Gove, former UK Secretary of State for Education, 2010-2014, Secretary of State for Justice, 2015-2016. Key campaigner to leave EU

“People in this country have had enough of experts”.

“We will put evidence at the heart of what we do. We will improve our data, analysis and research capability, so that we can give officials and frontline staff access to evidence about what works, helping to deliver the best outcomes for citizens”.

– UK Ministry of Justice Departmental Plan, 2016



Playing the blame game

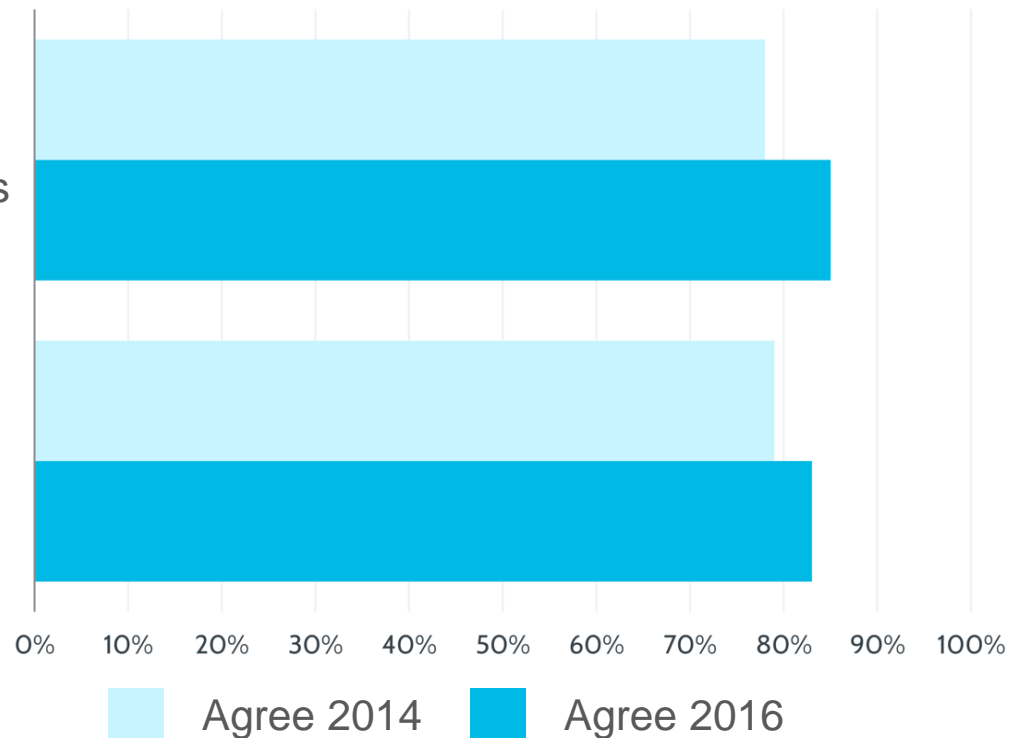


But citizens want experts involved in decision-making

“Thinking about how politicians make [difficult decisions about new infrastructure projects], to what extent do you agree or disagree with the following statements?”

It is important to me that when making difficult decisions politicians consult a wide range of professionals and experts

It is important to me that when making difficult decisions politicians demonstrate that the decision is based on objective evidence



Source: Institute for Government (2016)

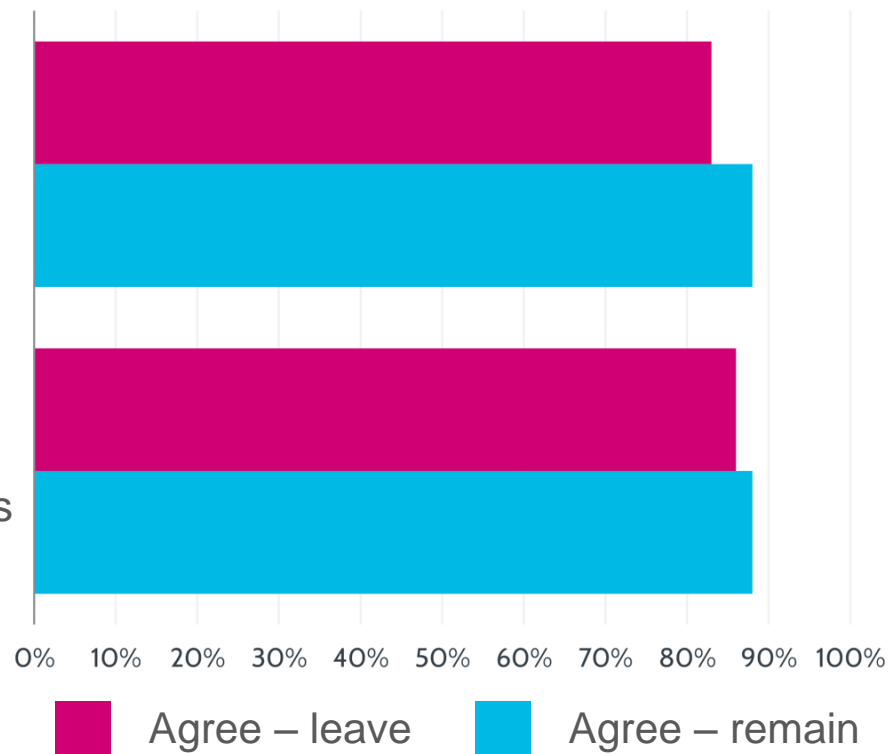


And expertise is equally important to Remainers and Leavers

“Thinking about how politicians make [difficult decisions about new infrastructure projects], to what extent do you agree or disagree with the following statements?”

It is important to me that when making difficult decisions politicians demonstrate that the decision is based on objective evidence

It is important to me that when making difficult decisions politicians consult a wide range of professionals and experts



Source: Institute for Government (2016)



Take-home messages

- ① Universities make a significant contribution to informing public policy and parliamentary scrutiny
- ② That contribution arises from the majority of disciplines
- ③ The translation of research to policy is messy and complicated, requiring skills that are not valued or abundant in universities
- ④ People have not had enough of experts

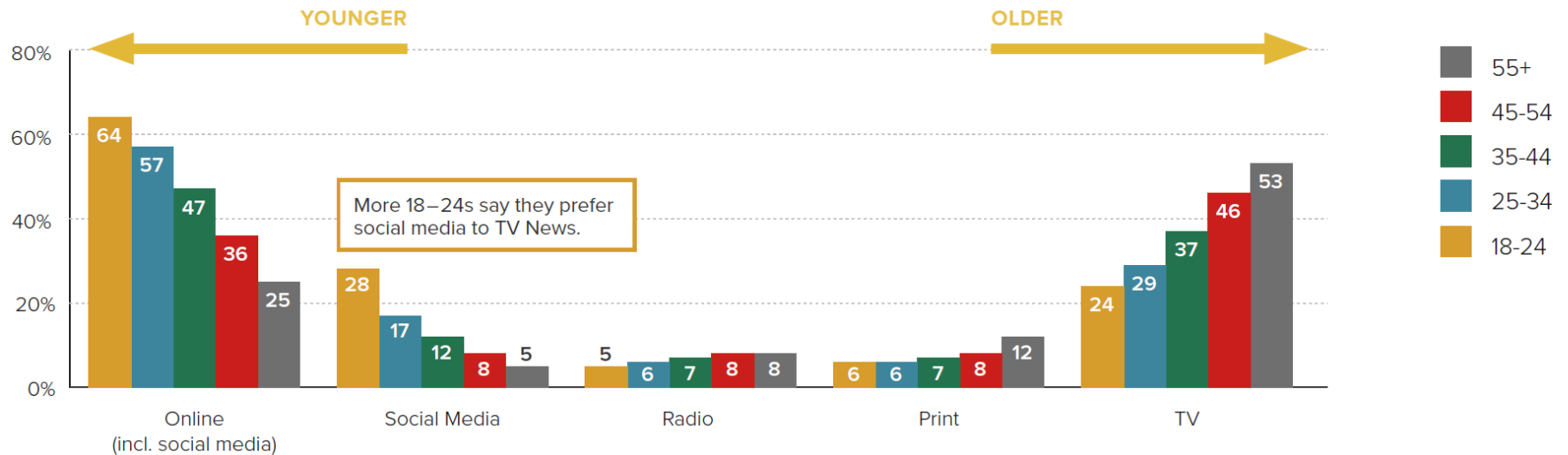


But 'post-truth politics' is a challenge to universities



Growth of social media as the main source of 'evidence'

MAIN NEWS SOURCES SPLIT BY AGE (ALL 26 COUNTRIES)



Q4. You say you've used these sources of news in the last week, which would you say is your MAIN source of news? Base: All 18-24s/25-34s/35-44s/45-54s/55+ who have used a news source in the last week: All countries = 5598/9187/9686/9383/18371

Source: Reuters Institute for the Study of Journalism (2016)

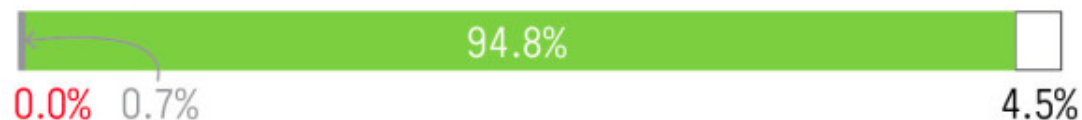


Analysis by BuzzFeed illustrates the level of false information on social media

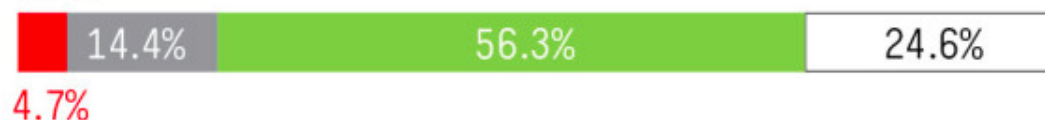
Rating by Category

■ MOSTLY FALSE ■ MIX. OF TRUE AND FALSE ■ MOSTLY TRUE
□ NO FACTUAL CONTENT

Mainstream



Left



Right



BuzzFeed News

Source: Silverman et al. (2016)



With risk of misinformation amplified through ‘echo chambers’

Conspiracy theories

32 public Facebook pages
about conspiracy theories

V

Scientific information

35 public Facebook pages
about science news

- Downloaded all posts and interactions across a five-year time span (2010-14)
- Examined differences in how pages are shared
- Showed that information related to distinct narratives generates homogeneous and polarised communities (ie echo chambers) but have similar information consumption patterns

Source: Del Vicario et al. (2014)

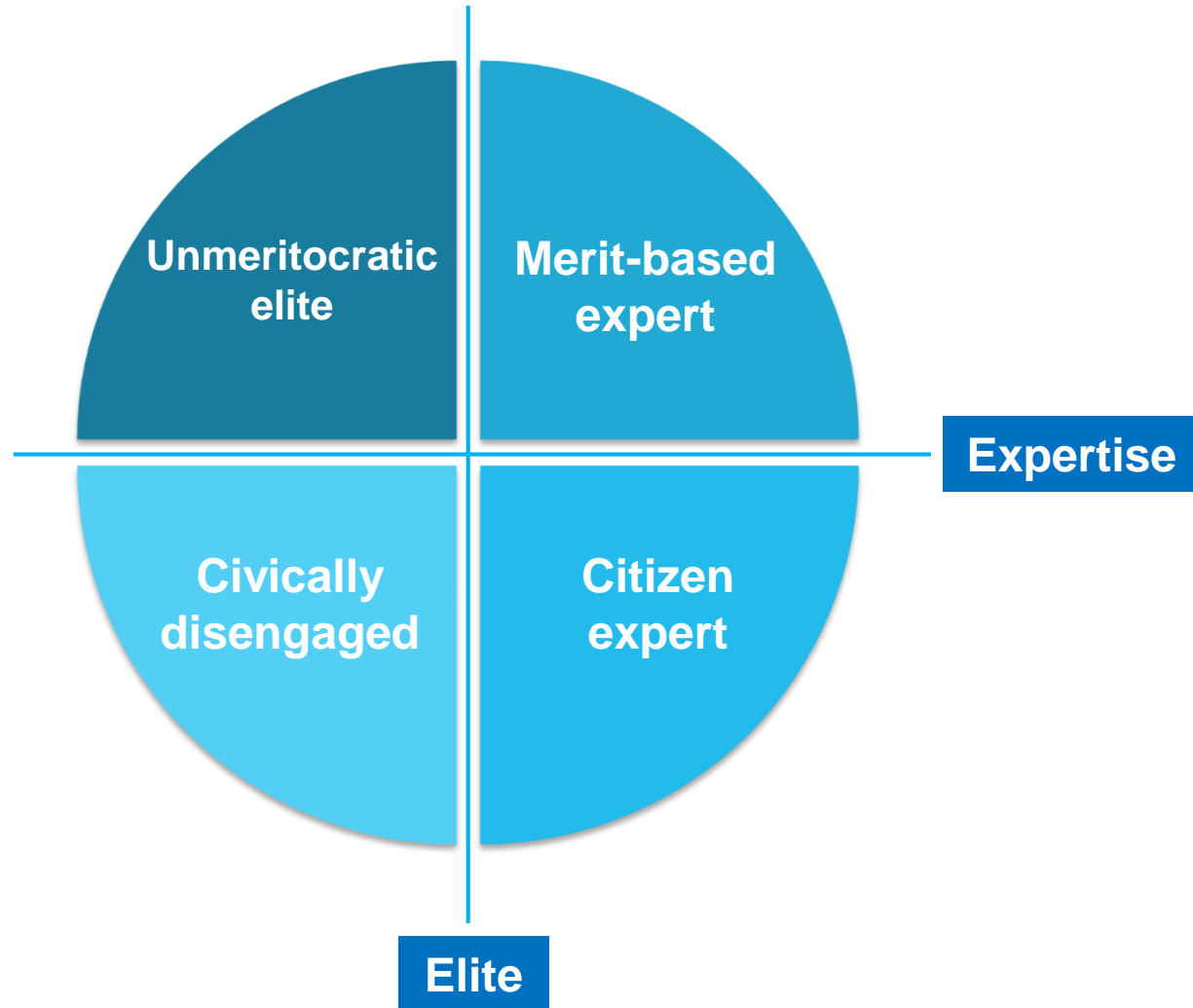


education

“It is the ~~economy~~, stupid”

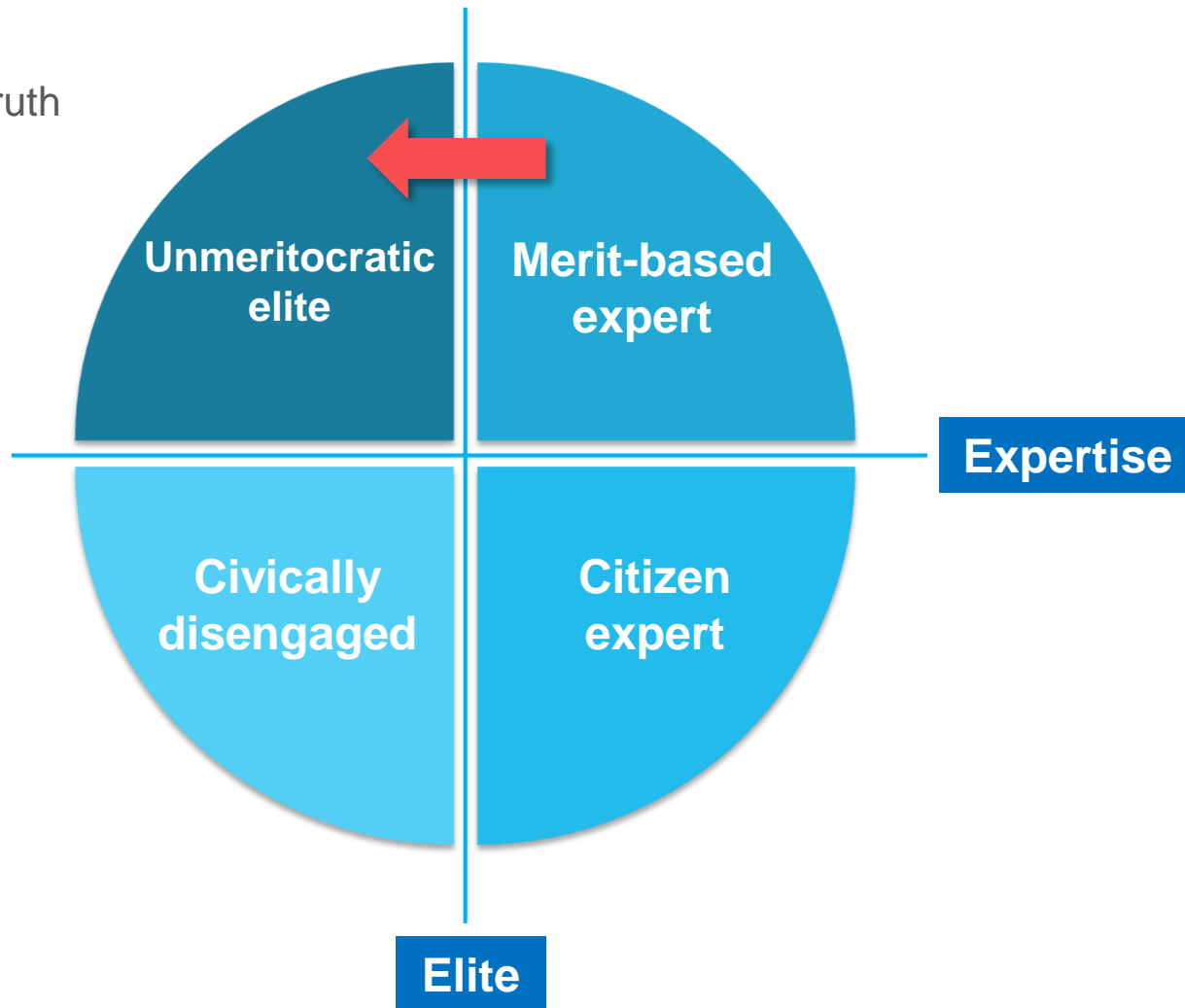


Which suggests a more nuanced understanding of 'experts' is needed



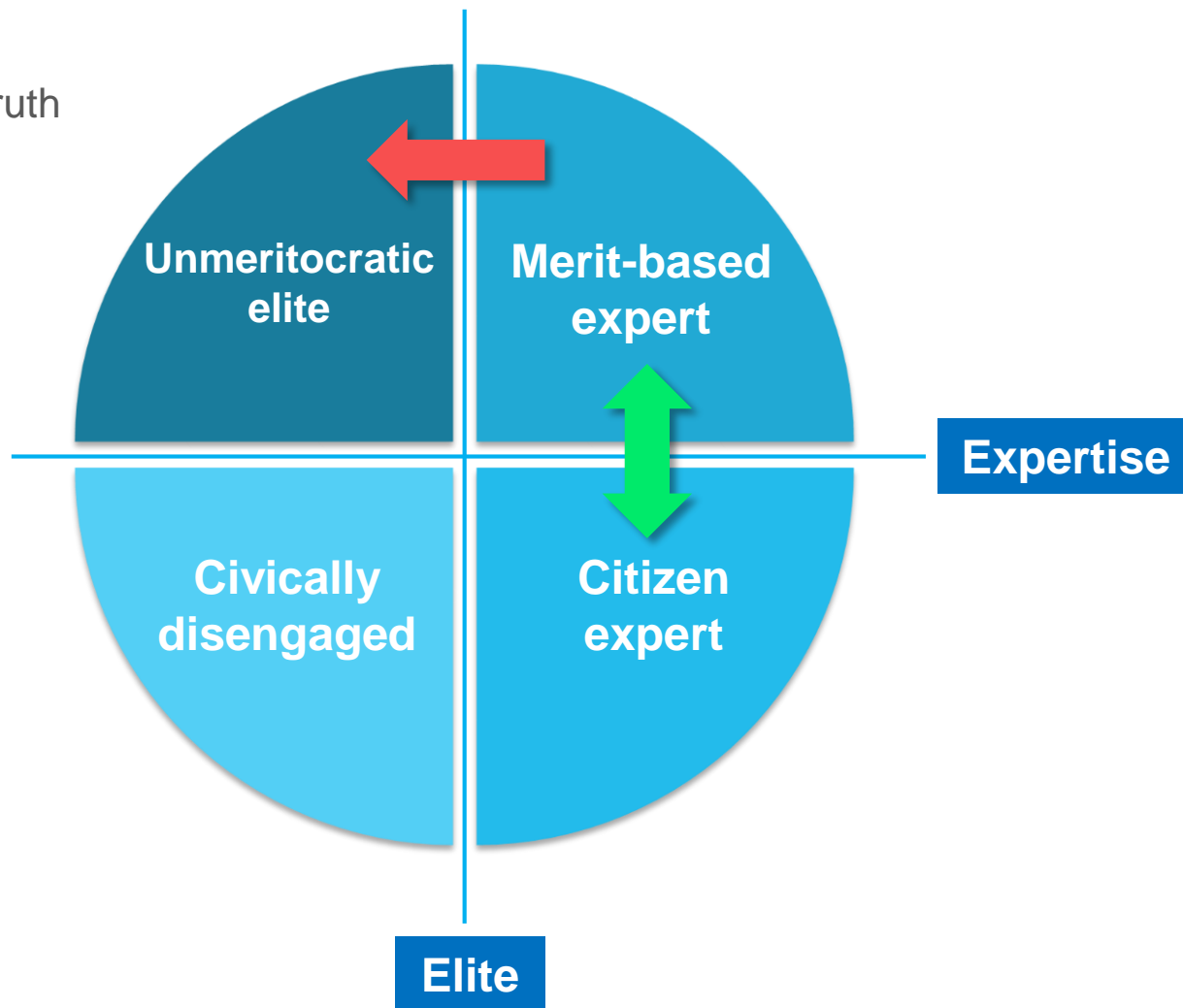
Which suggests a more nuanced understanding of 'experts' is needed

● Attack lies, and advocate truth



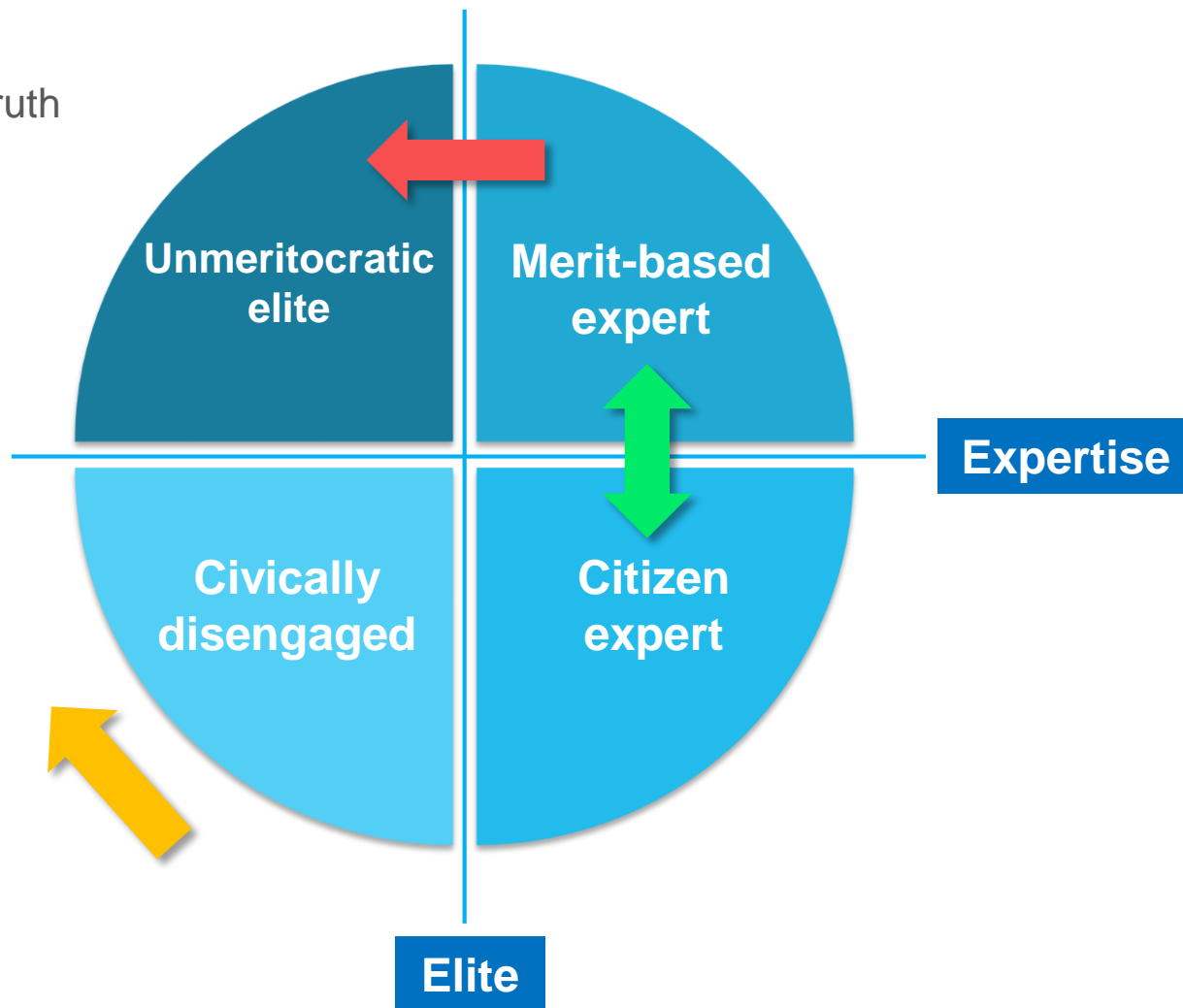
Which suggests a more nuanced understanding of 'experts' is needed

- Attack lies, and advocate truth
- Increased porosity, social mobility and openness



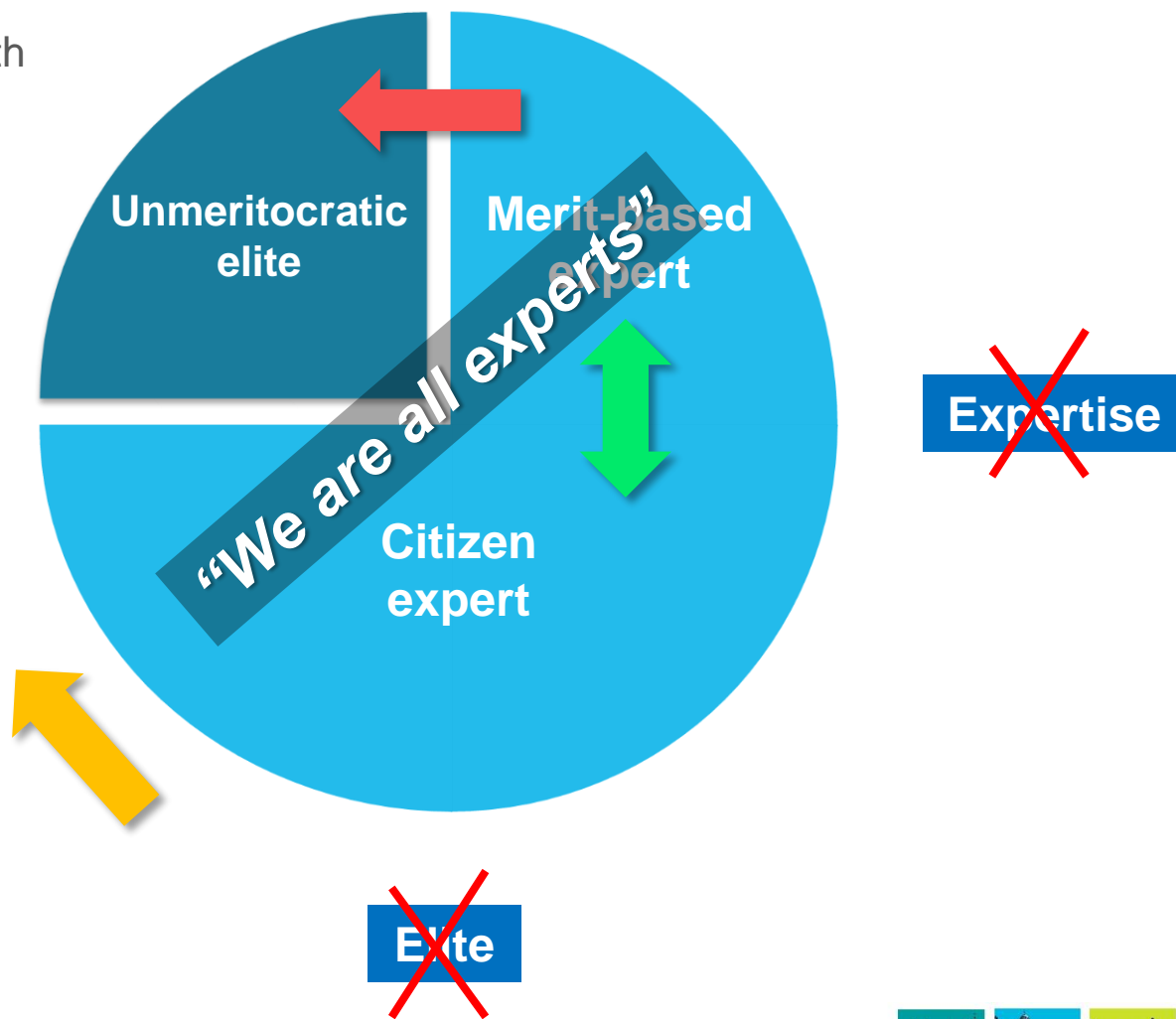
Which suggests a more nuanced understanding of 'experts' is needed

- Attack lies, and advocate truth
- Increased porosity, social mobility and openness
- Work with and respect multiple truths through co-creation and co-production of policy



Which suggests a more nuanced understanding of 'experts' is needed

- Attack lies, and advocate truth
- Increased porosity, social mobility and openness
- Work with and respect multiple truths through co-creation and co-production of policy



520 relevant articles reviewed

What does the literature say?

- Clinical trial results play dominant role in shaping current policy
- Strong focus on efficacy, limited evidence on effectiveness
- Behaviour central to success
- Further research needed to clarify implementation

LITERATURE

1069 survey responses from community representatives

What are the 'grassroots' perspectives?

- More info needed to make decisions how/whether to adapt ARV-based approaches locally
- General support for ARVs as prevention
- Concerns include drug resistance, adherence, resource allocation, cost trade-offs, need for improved education, systems capacity
- Weight given to different concerns varied by country/context

COMMUNITY

MAPPING PATHWAYS

Developing **evidence-based, people-centred** strategies for the use of **antiretrovirals as prevention**

Mapping Pathways is a community-led initiative to synthesise evidence and views on the social, economic and clinical impacts of four prevention strategies based on antiretroviral (ARV) drugs in **South Africa, India** and the **United States**.

New approaches to prevention are needed

2 million

deaths each year

2.5 million

new HIV infections in 2011



34 million

people living with HIV worldwide



'All science is local'

Report's foreword by Archbishop Desmond Tutu

Key insights on ARV-based prevention:

- **Structural factors** such as cost and access are as important as individual behaviours
- Policymakers and communities need **more information** to develop successful local strategies
- **Local context** shapes perception: the same scientific data are viewed and interpreted differently by stakeholders in different countries and groups

The science is dynamic and fast-changing. Providing insight from diverse communities and stakeholders will enrich policies to ensure that ARVs can reach their prevention potential at local and global levels.

38 interviews with 'grasstops' stakeholders

What do policymakers say?

- Limited evidence available for policymakers to make decisions on ARV-based prevention
- Reluctance to make determinations from one study
- Generally positive, but science interpreted, framed and perceived differently based on local context:
 - **India** – most scepticism that efficacy would translate to effectiveness
 - **South Africa** – concerned about resource allocation, need for trade-offs
 - **U.S.** – most optimistic, willing to accept science at face value

POLICY

32 multidisciplinary experts engaged

What do the experts say?

- Online discussion forum harnessed group wisdom to explore faultlines in evidence
- Strong agreement science justifies more funding for earlier treatment
- Agreement on importance of adherence, biological reliability of ARVs; disagreement on importance of potential risk behaviour increase
- Little consensus on essential delivery conditions

EXPERT LENS



Take home messages

- ① Universities make a significant contribution to informing public policy and parliamentary scrutiny
- ② That contribution arises from the majority of disciplines
- ③ The translation of research to policy is messy and complicated, requiring skills that are not valued or abundant in universities
- ④ People have not had enough of experts
- ⑤ Universities have a lot to offer in this ‘multiple-truth’ world, but need to adapt in vision, structure, process and incentives to a new, challenging reality, otherwise risk becoming irrelevant



What does this mean for universities

- Advocate the contribution we are already making
 - Have confidence in what we do and be better at making that case
- Don't 'blame' others for the anti-intellectualism – reflect on what we do and how we do it
 - New or improved skills, incentives and rewards
- Reflect on our role in diversifying our educational offerings
- 'Multi-truth politics' is about multiple disciplines bringing different perspectives to a 'problem'. It is about working together
 - Focus on interdisciplinary structures and incentives
- Understand, take seriously and fulfill (a new) social contract
 - Universities are social institutions





References

- King's College London and Digital Science (2015). **The nature, scale and beneficiaries of research impact: An initial analysis of Research Excellence Framework (REF) 2014 impact case studies**. Bristol, United Kingdom: HEFCE. <http://www.kcl.ac.uk/sspp/policy-institute/publications/Analysis-of-REF-impact.pdf>.
- Lomas J (2005). **Using Research to Inform Healthcare Managers' and Policy Makers' Questions: From Summative to Interpretive Synthesis**. *Healthcare Policy*, 1(1):55–71. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585236/>
- Hanney S et al (2003). **The utilization of health research in policy-making: concepts, examples and methods of assessment**. *Health Research Policy and Systems* 1(1), 2. <http://www.health-policy-systems.com/content/1/1/2>
- Oliver et al. (2016). **A systematic review of barriers to and facilitators of the use of evidence by policymakers**. *BMC Health Services Research*, 14:2.
- THES (2016). **Johns Hopkins University chief 'dumbfounded' by support for Trump**. October 14, 2016. <https://www.timeshighereducation.com/news/johns-hopkins-university-chief-dumbfounded-support-trump>
- Ministry of Justice (2016). **Single departmental plan: 2015 to 2020**. <https://www.gov.uk/government/publications/moj-single-departmental-plan-2015-to-2020/single-departmental-plan-2015-to-2020>
- Institute for Government (2016). **Trust in government is growing but it needs to deliver**. http://www.instituteforgovernment.org.uk/sites/default/files/publications/lfg_polling_note_WEB3.pdf
- Reuters Institute for the Study of Journalism (2016). **Digital news report**. <http://reutersinstitute.politics.ox.ac.uk/sites/default/files/Digital-News-Report-2016.pdf>
- Silverman et al. (2016) **Hyperpartisan Facebook Pages Are Publishing False And Misleading Information At An Alarming Rate**. *BuzzFeed News*, 20.10.16. <https://www.buzzfeed.com/craigsilverman/partisan-fb-pages-analysis>
- Del Vicario et al. (2016). **The spreading of misinformation online**. *Proceeding of the National Academies of Science*, January <http://www.pnas.org/content/113/3/554.abstract>
- Morgan Jones et al. (2013). **Mapping Pathways: Developing evidence-based, people- centred strategies for the use of antiretrovirals as prevention**. RR-326, 2013. http://www.rand.org/pubs/research_reports/RR326.html

