

# End Use Energy Demand: Towards a New Centre

Nick Eyre

EUED Gala

Lancaster, 4<sup>th</sup> July 2017



# Context and Research Priorities

- Context
  - Systemic change to low/zero carbon over a few decades
  - Security and affordability remain political priorities
  - Change in energy use will be critical to system change
- Research Priorities
  - Further – going beyond currently cost effective technologies and minor behavioural change
  - Faster – increasing the pace of innovation, and using more ambitious policy intervention
  - Flexibly – adding fuel switching and demand response to the EUED agenda



# The 5-year Vision

- To undertake globally leading research on EUED, in the context of systemic change.
- To increase EUED research impact, becoming
  - the key source of expertise for UK policy makers and commentators, and
  - a trusted partner of organisations delivering EUED change.

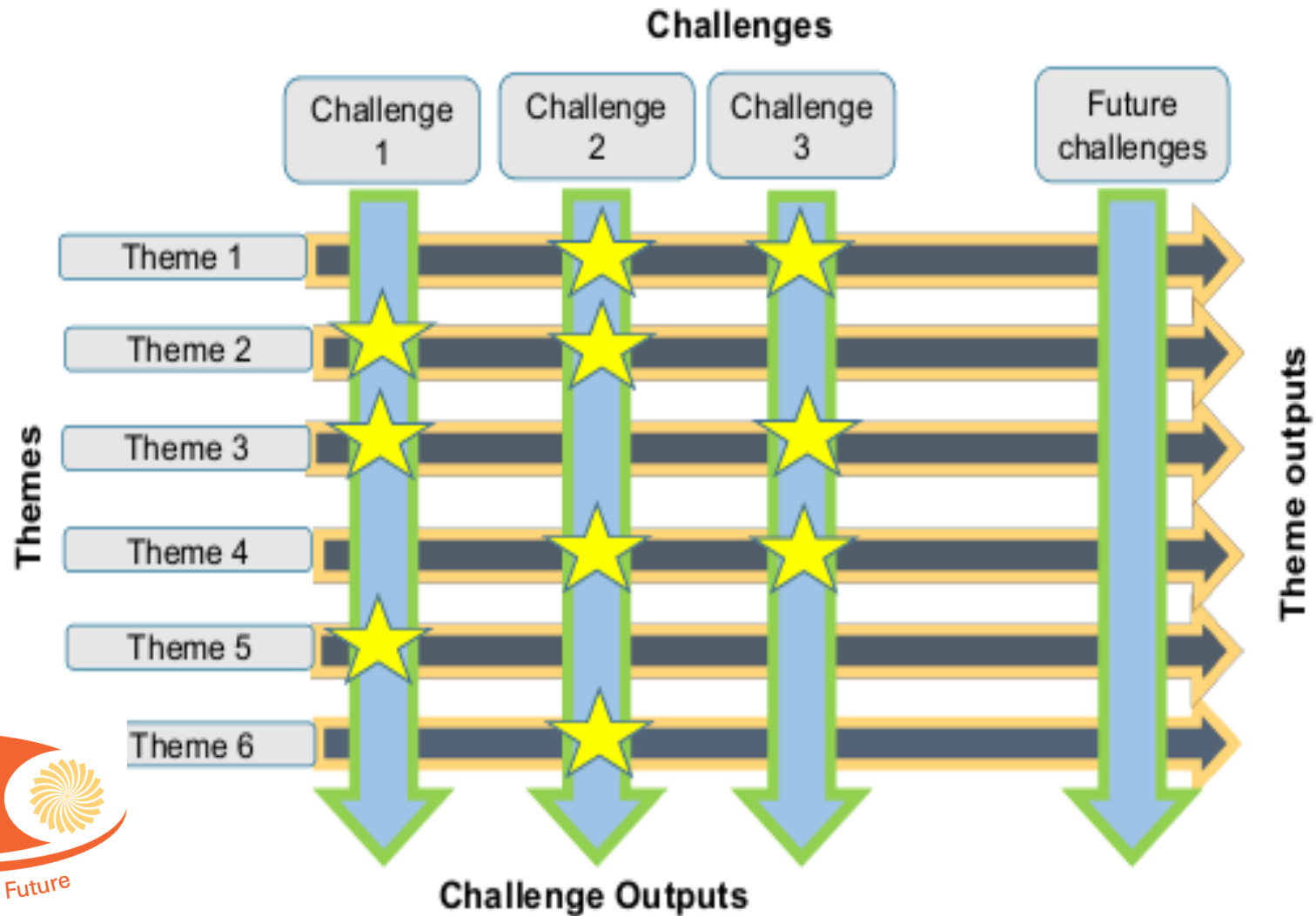


# The Objectives: July 2017 to March 2018

- To design and develop a bid to the EPSRC for a new 5-year EUED Centre.
- To consult with the EUED research community and stakeholders on research needs in the context of a changing energy system.
- To identify new EUED challenges with the research and stakeholder communities.
- To ensure a smooth transition from the existing EUED Centres to the new Centre.



# The Proposed Centre Research Structure



# Themes and Challenges

- Themes
  - Core research programmes of the Centre,
  - 5-year inter-disciplinary programmes, each led by a Co-investigator,
  - Based around domains of EUED knowledge (e.g. transport and mobility), and/or drivers of change (e.g. digital revolution),
  - with research questions around going further, faster and flexibly.
- Challenges
  - Major cross-thematic problems (e.g. decarbonisation of heat),
  - Fixed term projects, separately led, but with theme input,
  - Later challenges developed over the period of the Centre.

# Process and Timetable

July	Consultation on themes – on-line and face to face
August	Centre design process – including expressions of interest in theme leadership
September/ October	Centre proposal process: content development and bid preparation
Late September	Community and stakeholder meeting
End October	Bid submission
November to March	Stakeholder interaction Advisory Board recruitment Consultation on challenges Planning for knowledge exchange continuity

Questions and comments welcome

Nick Eyre

[nick.eyre@ouce.ox.ac.uk](mailto:nick.eyre@ouce.ox.ac.uk)

