



Horizon 2020 and Horizon Europe in pre-Brexit UK

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A photograph of a large, ornate Gothic archway in a stone building. The archway is the central focus, leading to a courtyard. Above the arch, the words "UNIVERSITY OF MANCHESTER" are inscribed in white capital letters on a dark stone band. The building features multiple levels of windows, some with blue stained glass, and decorative stonework. The sky is visible through the top of the arch, and a large green tree is seen in the courtyard beyond.

UNIVERSITY OF MANCHESTER

Heritage

- Britain's first civic university, history dating back to 1824
- 25 Nobel Prize winners
- Rutherford split the atom
- First programmable computer
- Founder member of Russell Group
- 'Merger' in 2004 of UMIST and Victoria University of Manchester to create UK's biggest single campus university





The University in numbers

39,000

Largest student community in the UK

10,000

Most international students of any UK university

£1.01bn

Annual income

1,000

More than 1,000 degree programmes

£345m

More than £345m in research income

100

More than 100 spin-out companies

£300m

£300m bond issue to support Campus Masterplan



Research Beacons



**Industrial
biotechnology**

**Advanced
materials**

Energy

Cancer

**Addressing
global
inequalities**

Faculty Re-Structure 01/08/2019

School of Natural Science:

- Department of Chemistry
- Department of Earth and Environmental Sciences
- Department of Materials
- Department of Mathematics
- Department of Physics and Astronomy

School of Engineering:

- Department of Computer Science
- Department of Chemical Engineering and Analytical Science
- Department of Electrical and Electronic Engineering
- Department of Mechanical, Aerospace and Civil Engineering



MECD

Manchester Engineering Campus Development

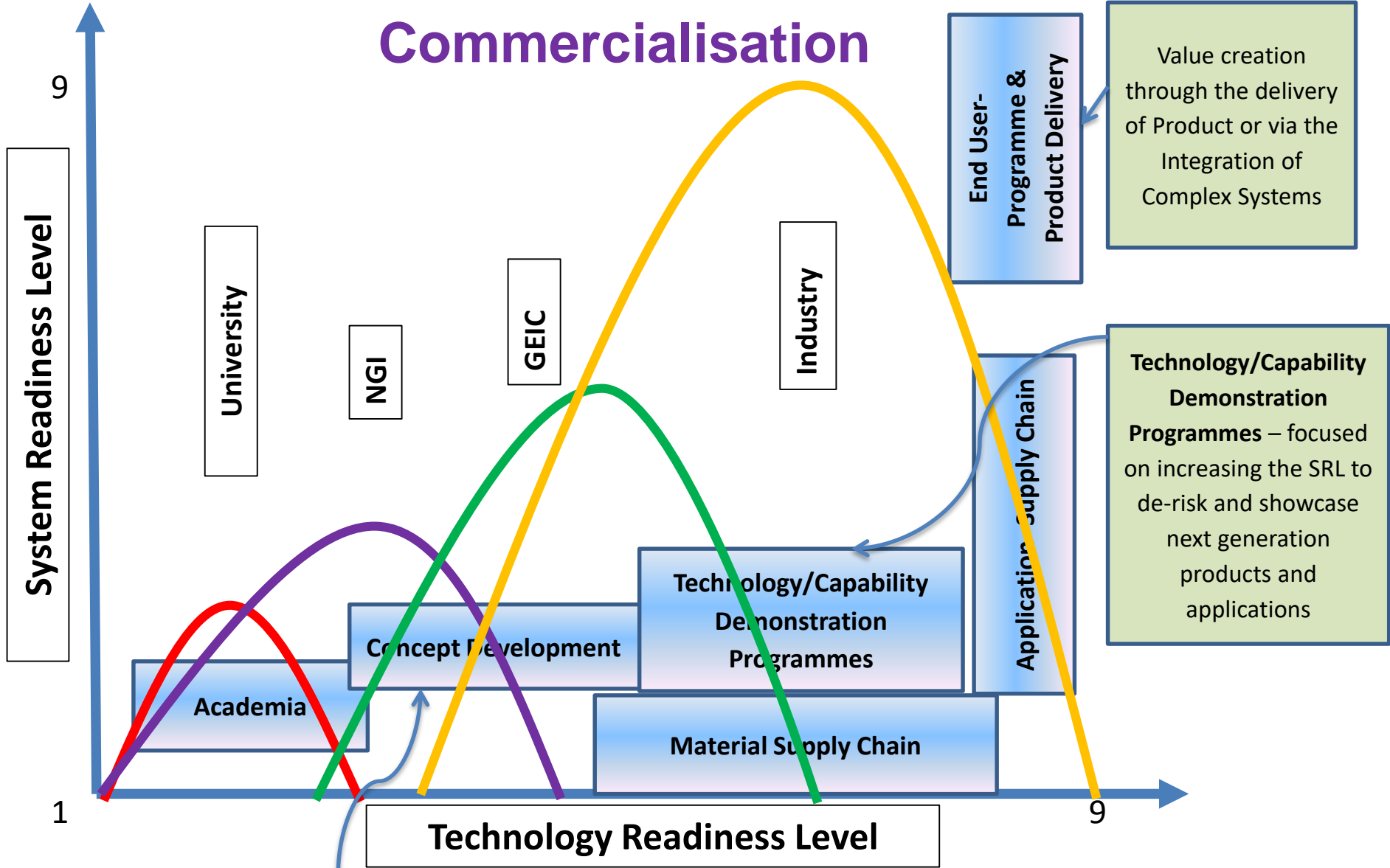
National Graphene Institute (NGI)



Graphene Engineering Innovation Centre (GEIC)



Routes to Commercialisation



Concept Development – focus is on a) increasing the technology development TRL – manufacturing scale up, characterisation and measurement, b) experiment with the art of the possible future applications and concepts and c) provide inputs to Concept Development.

EU Funding at Manchester

- 39 ERC Fellowships
 - ERC Synergy Grant
 - 60 MSCA Individual Fellowships
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- Over 3000 EU students of 11,000 non-UK students
 - 2000 non-UK staff
 - 490 academics who are EU nationals
 - 266 PS staff who are EU nationals
 - 438 research staff who are EU nationals

University of Manchester and Innovation

- 1st in UK for research income from UK industry
- 2nd for contract research from UK and international industry
- 8th in Europe in Reuter's Most Innovative Universities
- 1st in England for number of KTP (Knowledge Transfer Partnership) projects
- 1st in Europe (3rd in the world) for Social and Economical Impacts

EU Funding at Manchester

- Collaboration
- Fundamental research (ERC)
- International excellence
- Industrial and social impact
- Movement of researchers (visa status)
- fees for UK vs EU vs non-EU students
- Post-qualification visas
- Freedom of movement of people

EU Funding with Brexit Deal

UK institutions and universities want to apply for EU/H2020 funds as a full partner/beneficiary after Brexit

UK leaves with a deal: withdrawal agreement would lead to an association agreement, including access to EU research funding programmes (H2020 and Horizon Europe).

EU Funding without Brexit Deal

UK leaves without a deal: third country status in EU and entitled to participate in H2020 collaborative projects under a multi-beneficiary grant agreement

But, UK would not be entitled to participate in ERC or MSCA agreements under a mono-beneficiary grant agreement. Only Members States or Associated Countries are allowed to participate in these projects.

The Next Deadline 31st October 2019

Relationship of UK to EU is critically important

EU projects currently funded will be honoured by UK funding if UK leaves with no deal.

Up to 31st October 2019:

“In the event we leave without a deal, the Government will ensure any Horizon 2020 applications stuck in the approval process when the UK leaves, will instead be automatically assessed by UKRI - with successful applications provided with funding.”

Current Position

It is estimated that that ERC calls worth over €3bn will be pending funding decisions as of 31 October 2019

Given past UK success rates in the ERC, UK applicants would therefore expect to win up to €600m from these calls.

Critical Questions

- How will UKRI assess the applications that have been submitted?
- How much funding will be made available and how will it be allocated across the different calls?
- Will the same review process be used?
- Will UKRI receive application data directly from the ERC or will researchers have to resubmit application?
- Will it replicate the same set of pan-disciplinary panels that the ERC uses?
- Can researchers expect the same terms and conditions to apply to these grants as for ERC grants?

Critical Issues

UK's future relationship with the Horizon Europe programme, due to begin on 1 January 2021, remains unclear

UK influence on EU research panels and a seat at the table during Commission discussion of future research programmes

Continued funding of ERC

Recruitment/visas/immigration and freedom of movement

Status of EU students and academics

Universities need to be clear to the public and to all stakeholders about:

- what they do and why
- their value to society
- their ability to create value, jobs and growth
- their ability to do good