

MANCHESTER
1824

The University of Manchester

UNIVERSITY OF MANCHESTER

The University of Manchester: Welcome and Brief Introduction

Professor Stephen Flint

Associate Vice-President: International

Delegation from Stockholm: February 6th, 2020





city centre

University

Hospital

The University in numbers

40,490

Largest student community in the UK (2016/17)

10,975

Most international students of any UK university

£1bn

Annual income

1,000

More than 1,000 degree programmes

£331m

More than £331m in research income

100

More than 100 spin-out companies

£300m

£300m bond issue to support Campus Masterplan



Core goals

- World-class research
- Outstanding learning and student experience
- Social responsibility



International strategy underpins all 3 Goals and strengthens linkages between them

Our global rankings

- Academic Ranking of World Universities: 33rd – **up 1 place**
- QS Ranking: 27th – **up 2 places**
- QS Graduate Employability Rankings: 35th
- Reuters Top 100 Most Innovative Univs: 53rd
- Times Higher Ranking - Most international Univs: 25th - **up 6 places**
- Times Higher Ranking - progress against UN SDGs: 3rd = in the world - **new**



25 Nobel Prize winners



1900

JJ Thomson, Physics (1906)

Ernest Rutherford, Chemistry (1908)

1910

William Lawrence Bragg, Physics (1915)

Archibald V Hill, Physiology or Medicine (1922)

1920

Niels Bohr, Physics (1922)

CTR Wilson, Physics (1927)

1930

Arthur Harden, Chemistry (1929)

James Chadwick, Physics (1935)

1940

Walter Norman Haworth, Chemistry (1937)

George de Hevesy, Chemistry (1943)

1950

Robert Robinson, Chemistry (1947)

Patrick Maynard Stuart Blackett, Physics (1948)

1960

John Cockcroft, Physics (1951)

Alexander Todd, Chemistry (1957)

Melvin Calvin, Chemistry (1961)

1970

Hans Albrecht Bethe, Physics (1967)

John Richard Hicks, Economic Sciences (1972)

1980

Nevill Francis Mott, Physics (1977)

Arthur Lewis, Economic Sciences (1979)

1990

John Charles Polanyi, Chemistry (1986)

Michael Smith, Chemistry (1993)

2000

Joseph E Stiglitz, Economic Sciences (2001)

John Sulston, Physiology or Medicine (2002)

2010

Andre Geim, Physics (2010)

Kostya Novoselov, Physics (2010)

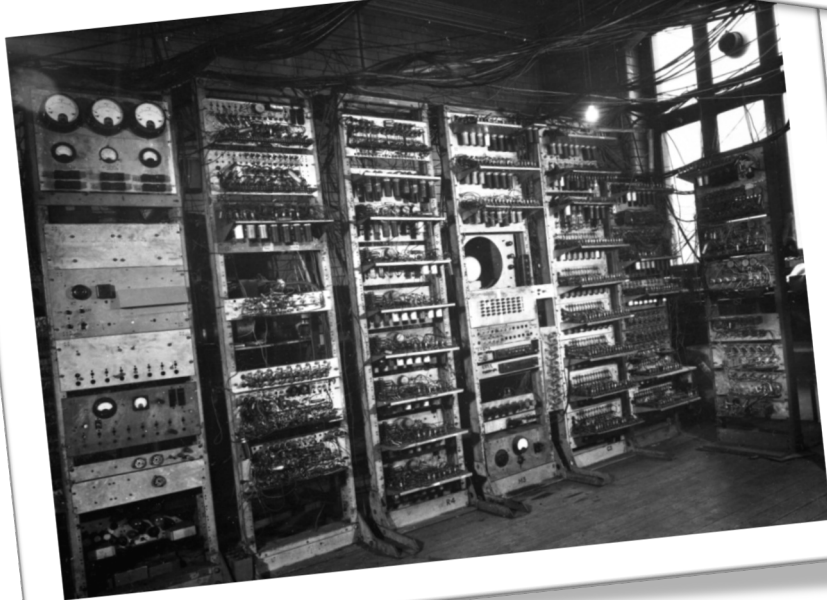
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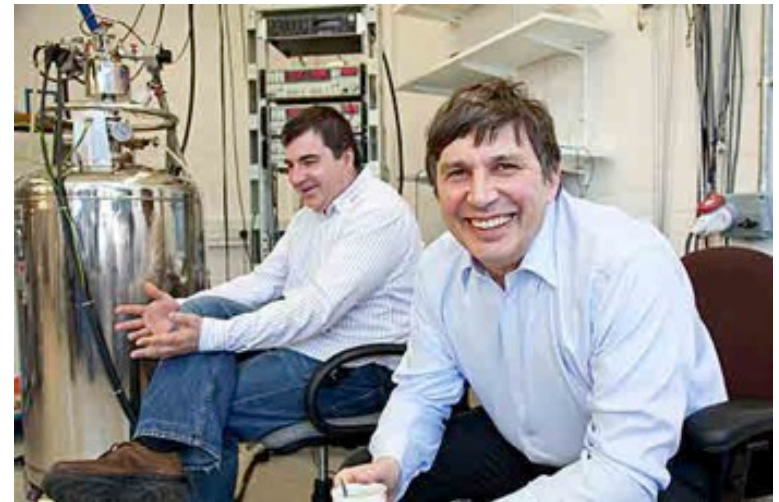
Alan Turing:
Professor at
Manchester,
1948-1954.



Ernest Rutherford: Split the atom
at Manchester



World's first stored program computer



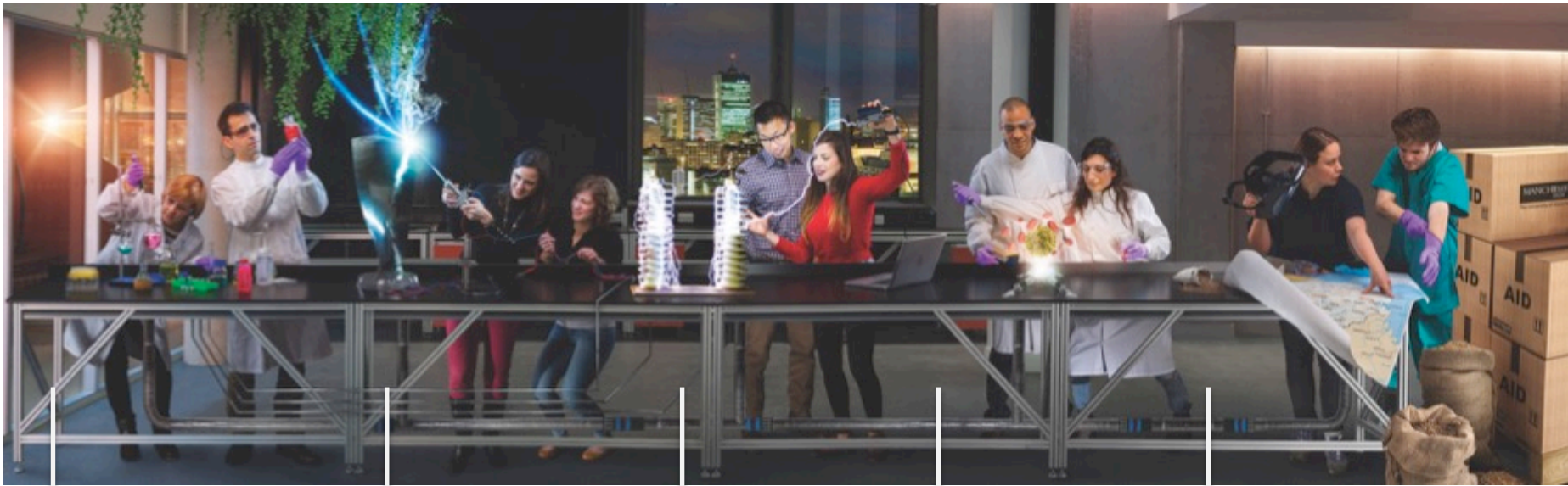
Nobel Laureates, Sir Andre Geim and
Sir Kostya Novoselov

Square Kilometre Array

- World's largest telescope, sited in South Africa & Australia – thousands of dishes & a million other antennas
- International HQ sited at Jodrell Bank, Univ of Manchester
- 11 member countries – UK leading role, contributing €200m by 2025
- Answering the Big Questions:
Was Einstein right?
How did stars & galaxies form?
What is dark energy?
Are we alone in the Universe?



Research beacons



**Industrial
biotechnology**

**Advanced
materials**

Energy

Cancer

**Addressing
global
inequalities**

Graphene@Manchester

- 2010 Nobel Prize for Physics
- £61m National Graphene Institute
- Graphene NOWNANO Centre for Doctoral Training
- > 200 researchers across 30 academic groups
- > 60 industrial partners
- Applications in electronics, structures, membranes, solutions and formulations, energy and biomedical
- Emerging 2D materials research could create designer materials.



GRAPHENE ENGINEERING INNOVATION CENTRE (GEIC):

The GEIC focus is on **industry led technology development (TRL 3-6)** in **graphene and related 2-D materials** in **collaboration with academia**:
“Exploitative Research”



- Pilot production and process scale-up of graphene and related 2D materials and its measurement and characterisation
- Application development in: Structures and composites, Energy - battery and super-capacitors, Solution formulation, inks & coatings, Electronics, Sensors and Membranes.
- **“Make & break”** prototype development and integration facility

UoM Supporting business

- UK business's favourite university
 - 1st in UK for research income from collaborative R&D
 - 4 Prosperity Partnerships in Industrial Strategy



- Commercialisation of Intellectual Property
 - ranked 8th in Europe, 4th in UK by Reuters Europe's Most Innovative Universities
- Regional engagement
 - largest number of Knowledge Transfer Partnerships in England



International Business Engagement

- Global shift in business R&D drives our strategy to increase international component while still growing UK base
- Must pass test of national/regional benefit as well as compliance e.g. export control
 - Attracting inward investment to the UK, initially as research facilities and in longer run manufacturing investment
 - Generating surplus to subsidise other research activity and provides critical mass for our facilities
 - Retaining exploitable share of intellectual property
- Exemplified by Graphene Engineering Innovation Centre
- Window on the world for SMEs and other firms



Alliance Manchester Business School Worldwide



- One of the top 10 business schools in Europe, one of the top 30 in the world
- The first Business School in the UK (along with LBS), founded in 1965
- Accredited by AACSB International, AMBA and EQUIS - one of only a small number worldwide to receive accreditation from all three bodies.

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Thank you

stephen.flint@manchester.ac.uk



Employability - skills for life

Louise Walmsley

Director of Teaching, Learning and Student Development
6 February 2020

The employability of our graduates has never been more important

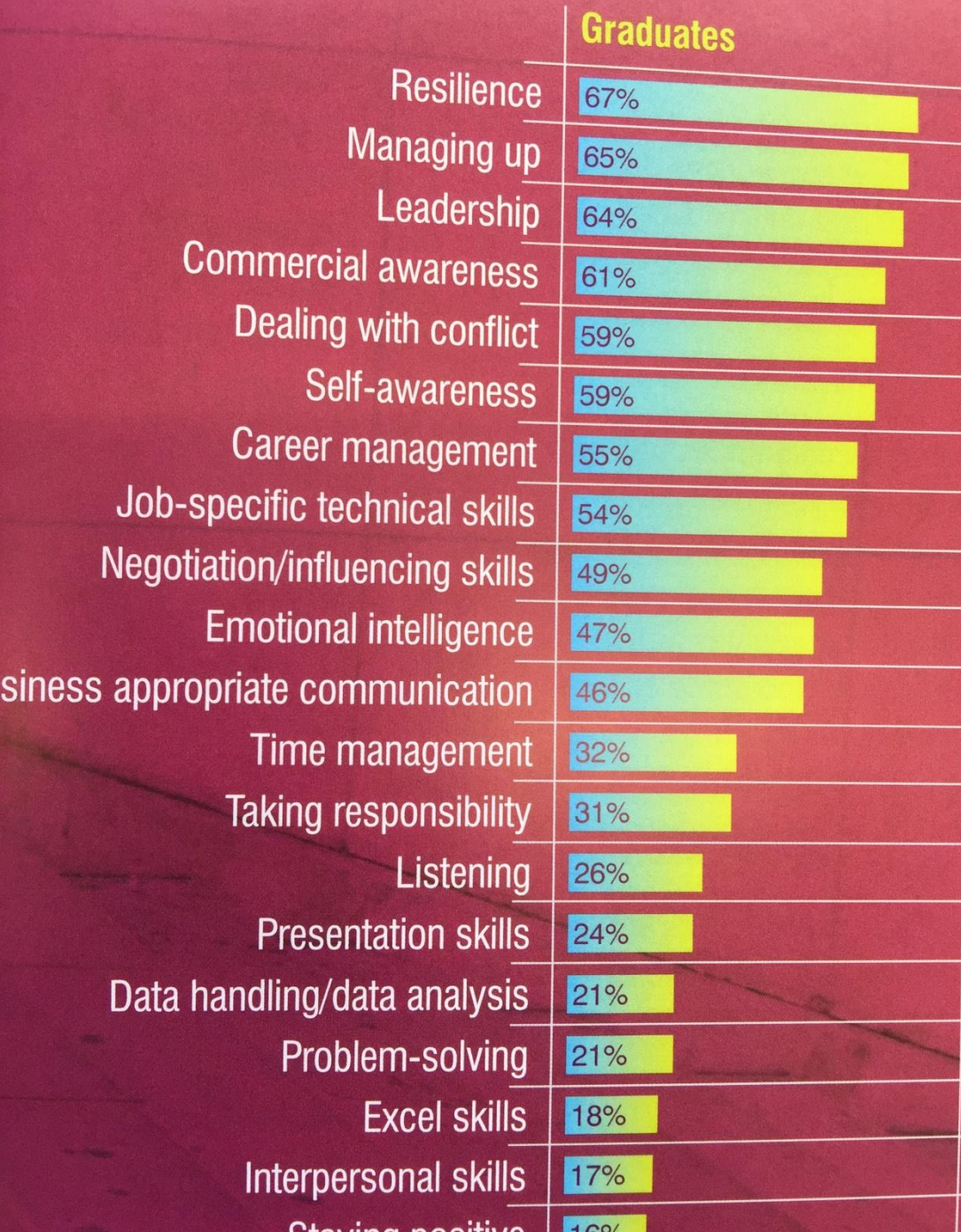
But what do we really mean by
employability...?

Posted on Jun 28, 2019

Study reveals the skills graduates need to succeed in an increasingly automated workforce



1. Relationship building (19%)
2. Having a positive and professional attitude (17%)
3. Communication skills (15%)
4. Being business-minded (12%)
5. Being organised (10%)
6. Attention to detail (7%)
7. Problem solver (6%)
8. Independent (5%)
9. Flexible (4%)
10. Data and analysis (3%)



Proportion of employers who say entry-level hires lack particular skills

(ISE 2019)

Careers that could exist by 2050

- Commercial Space Pilot
- Extinct Species Revivalist
- Organ or Body Part Creator
- Landfill worm operator
- 3D-printed food engineer
- Mind-transfer specialist
- Digital rehabilitation counsellor

So what are we doing...?

University-wide initiatives

- Coming soon – development of a set of core graduate attributes to capture the ‘Manchester-ness’ of our courses, e.g.
 - Interdisciplinary outlook
 - Global understanding
 - Critical review
 - Resilience
- Ethical Grand Challenges
- University College for Interdisciplinary Learning
- My Learning Essentials

Ethical Grand Challenges

- Sustainability Challenge
 - Part of Welcome Week for all first year undergraduates
 - Student worked in project teams across 180 classrooms, all on one day, to develop a new campus for the fictitious University of Millchester
- Social Justice Challenge
 - How do we challenge injustice, value diversity, define human rights, and allocate resources?
 - Online unit for second year undergraduates
- Workplace Ethics Challenge
 - Explore what responsible behaviour in the workplace might look like
 - Workshop/online materials for third year undergraduates
- Teamwork, critical evaluation, social responsibility
- Currently considering EGC version for postgraduates



Deadlines

The deadline for UCIL Semester One unit enrolment is Friday 4 October at 3pm. You can still enrol for Semester Two after this date.

AI

Learn how AI will impact society, the workplace and your future

[Find out more >](#)

Are We Alone?

Explore one of the most fundamental questions that humankind can ask. Are we alone in the Universe?

[Find out more >](#)

Creating a Sustainable World

Answer the call from the UN to tackle the global challenges faced by humanity

[Find out more >](#)

From Antarctica to Outer Space

Why do we push ourselves to extremes for exploration, adventure and scientific discovery?

Trust and Security in a Digital World

What do our digital footprints reveal, and who is trying to exploit them?

Understanding Mental Health

How can we protect and improve our own mental health and wellbeing, and that of others?



CREATING A SUSTAINABLE WORLD
21st CENTURY CHALLENGES AND THE
SUSTAINABLE DEVELOPMENT GOALS

- Transferable skills underpinning core intended learning outcomes, e.g.
 - Willingness and flexibility to work outside comfort zone
 - Creative and efficient problem-solving skills
 - Negotiating skills to enable effective teamwork
 - Finding, assessing and interpreting information from a range of sources
 - Respect and regard for diverse views
 - A range of communication skills tailored for different audiences
- 2220 students are registered on a UCIL unit as at 15 January 2020

So what...?

External recognition – successes include:



WE'RE *THE TIMES* AND *THE SUNDAY TIMES*
UNIVERSITY OF THE YEAR FOR
GRADUATE EMPLOYMENT!

QS World University Rankings: UoM was in **the top ten UK universities** for overall graduate employability, alumni outcomes, employer reputations and partnerships with employers.

Table 5.8 Universities Targeted by the Largest Number of Top Employers in 2018-2019

	<i>Ranking in 'Good University Guide' *</i>		<i>Ranking in 'Good University Guide' *</i>
1. Manchester	20	14. Exeter	12
2. Bristol	19	15. Edinburgh	28
3. Birmingham	14	16. York	22
4. Warwick	10	17. London School of Economics	9
5. London University College	8	18. Newcastle	21
6. Cambridge	1	19. Southampton	18
7. Nottingham	16	20. London King's College	35
8. Durham	7	21. Loughborough	5
9. Leeds	11	22. Glasgow	17
10. Oxford	2	23. Cardiff	32
11. London Imperial College	4	24. Liverpool	31
12. Sheffield	25	25. Leicester	38
13. Bath	13		

Source - The Graduate Market in 2019

* The Times & Sunday Times Good University Guide 2019

Thank you!

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The University of Manchester Library

My Learning Essentials



The Library's award winning
skills programme



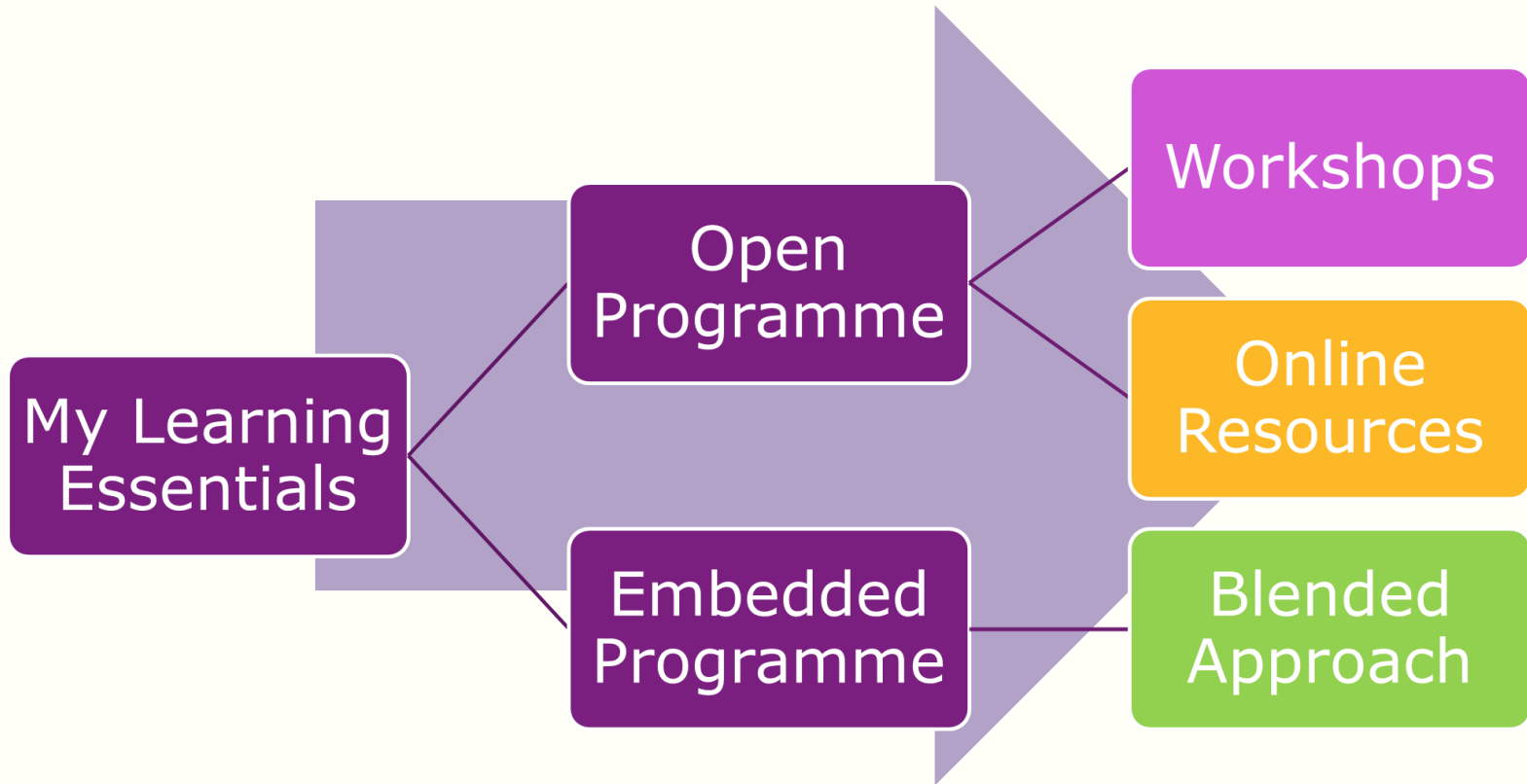
@mlemanchester



Blackboard
CATALYST AWARD
WINNER



Programme Structure



MLE Success

- Collaboration & co-creation
- Facilitative workshop style
- Welcoming feedback
- Our Student Team
- Academic partnership
- Partnering with other student support services
- Evaluation & Impact



More information

Website: www.manchester.ac.uk/my-learning-essentials

Email: mle@Manchester.ac.uk

Twitter: @mlemanchester

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Working with schools and colleges

The University of Manchester

Rachel Bailey
Rachel.bailey@manchester.ac.uk

Overview

- Widening Participation in the UK
- Examples of activities to widen participation and increase access to higher education
- Questions

What is widening participation?

Everyone should have equal opportunity to benefit from higher education if it's right for them. That means equal opportunity to:

- enter higher education - **access**
 - complete the course
 - get a good degree
 - go on to a graduate-level job or postgraduate study afterwards - **progression**
- } - **student success**

Some groups of people are less likely to achieve the qualifications needed to study in higher education and these gaps in achievement are apparent from a young age.

This can relate to the course and type of institution – often referred to as **Fair Access**.

There is also inequality between groups once they get into higher education and some people are more likely to do well than others, even when their prior academic performance is the same.

What do we mean by WP Target Groups?

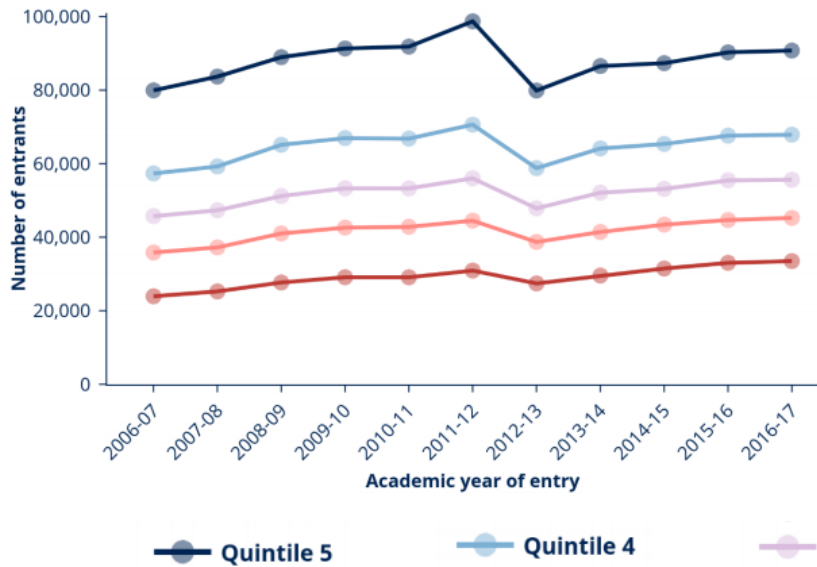
OfS target groups:

- Students from areas of lower participation in higher education, lower household income and/or lower socioeconomic status groups
- Some black, Asian and minority ethnic (BAME) students
- Mature students
- Disabled students
- Care leavers
- Carers
- People estranged from their families
- People from Gypsy, Roma and Traveller communities
- Refugees
- Children of military families

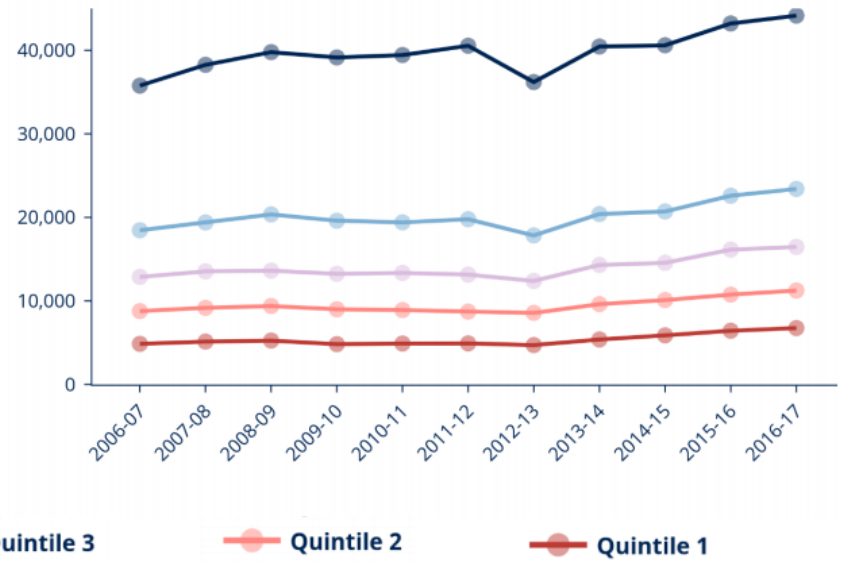
Sector picture – HE access

Entrants from low participation neighbourhoods (POLAR4) since 2006-07

Sector-wide entry rates



Higher-tariff institution entry rates



Source: HESA, English institutions

The distance travelled



UoM widening participation to higher education

- Work with primary and secondary schools (pre-16)
- Targeted at schools in the most disadvantaged areas through the Manchester Prioritisation Model
 - Ranks schools in England according to % of pupils eligible for free school meals and where attainment is below the national average
- Often delivered in partnership with other Higher Education providers or third sector organisations
- Post-16 work is often with individual students using a range of targeting measures e.g. free school meal eligibility, experience of being in care, no parental experience of HE

Greater Manchester Higher

- Greater Manchester Higher is a collaborative network.
- The partnership is a part of the Uni Connect programme funded by the government, which delivers a nationally coordinated approach to working with schools, universities and colleges to help people access higher education.
- Greater Manchester Higher aims to improve the provision of information, advice and guidance about progression routes to higher education, alongside offering a menu of activities (e.g. campus visits, summer schools, mentoring) to raise the aspirations of young people in Greater Manchester.



- 31 centres and projects across London, Nottingham, Bristol, Oxford, Brighton, Leeds, Southampton, Clacton-on-Seam, Liverpool, Weston-super-Mare, Coventry, Manchester and Birmingham
- Programme delivered by IntoUniversity team
 - Academic Support: after school help
 - FOCUS programme: for primary and secondary schools (workshops and campus visits)
 - Mentoring: from current university students and business mentors
- Donor funded
- Our IUMN Centre opened October 2018 with 4 full time IU staff offering programme of activity for local schools
- Range of voluntary opportunities for University students and staff to support the Centre





The Manchester Access Programme (MAP)

- Launched in 2005, the aim of MAP is to encourage and support the progression of a talented cohort of post-16 students in Greater Manchester, currently underrepresented in HE, into The University of Manchester or other research-intensive Universities.
- This is achieved through:
 - Increasing preparedness for HE study
 - Supported admissions process
 - Differential offer
 - Scholarship

Manchester Access Programme

- Between 2005 and 2019, over 2000 students have entered UoM through MAP.
- Students that complete MAP are made an offer which is the equivalent of 2 A level grades lower e.g. AAA becomes ABB
- MAP students are 3 times more likely to be from a low socio-economic group and 2.5 times more likely to be from a low-income household than University average.
- Completion rates of MAP UG students are better than the University average.



Contextual offers

One grade
below a
standard offer

Only available for
UK applicants
under the
age of 21

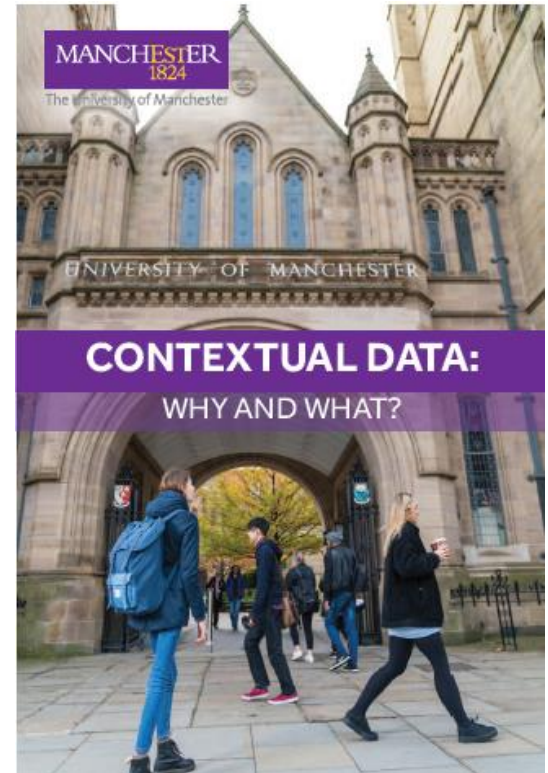
(or over 21 for those
who have been in care
for more than 3 months)

Only applicable
if Manchester
is accepted
as the
firm choice

Specific
eligibility
criteria must
be met

No need
to submit
further
information

Communicated
via UCAS
track with a
standard offer



Useful links

- UoM Schools and Colleges Pages

<http://www.manchester.ac.uk/undergraduate/schoolsandcolleges/>

- UoM Annual Report on WP

www.manchester.ac.uk/wp-report

- IntoUniversity

<https://intouniversity.org/content/intouniversity-manchester-north>

- Greater Manchester Higher <https://gmhigher.ac.uk/>

- Contextual offers

<https://www.manchester.ac.uk/study/undergraduate/applications/after-you-apply/contextual-data/>

Useful links

- Black lawyers matter: Our primary aim is to work in collaboration with University and external partners to address the under-representation of Black men working in the legal and criminal justice professions, particularly in the Greater Manchester area.:
<https://www.socialsciences.manchester.ac.uk/connect/making-a-difference/engaging-our-communities/black-lawyers-matter/>
- Advancing Access: 24 leading universities working together with schools and colleges: <https://www.advancingaccess.ac.uk/>

Case Study : Student

Scott Clayton

Scott Clayton completed the Manchester Access Programme in 2010 before progressing in to the University to study Ancient History and Archaeology. Throughout his studies Scott has been a very active Student Ambassador, acting as a mentor to many MAP students and supporting them in their transition in to undergraduate study. Watch the video for Scott's story!



Questions



The logo for The University of Manchester, featuring the word "MANCHESTER" in a serif font above the year "1824" in a smaller serif font, both in white on a purple rectangular background.

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The University of Manchester

The University of Manchester

Business Engagement and Knowledge Exchange Team

Business Engagement and Knowledge Exchange

< Home

< Collaborate

✓ Business engagement services

Research for your business

Knowledge exchange

Consultancy

Commercialisation

Continuing professional development

Recruiting talent

Contact us

Business engagement services

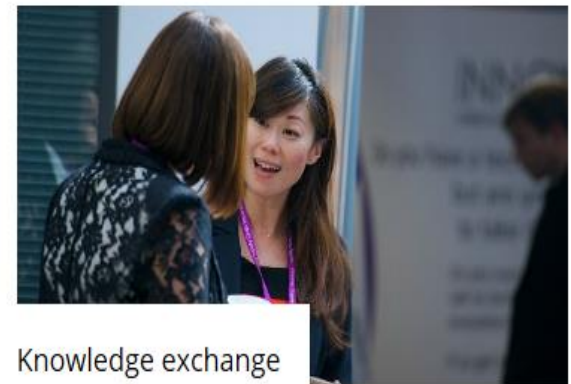
Whether you're an international blue chip, an ambitious SME, or a charity with an eye for innovation, a business engagement partnership with The University of Manchester can have a significant impact on your organisation.

Our dedicated business development managers can put you in direct contact with experts who can help you achieve your objectives and face future challenges with confidence. From providing business solutions to nurturing talent, we will work with you to build a strategy for success.



Research for your business

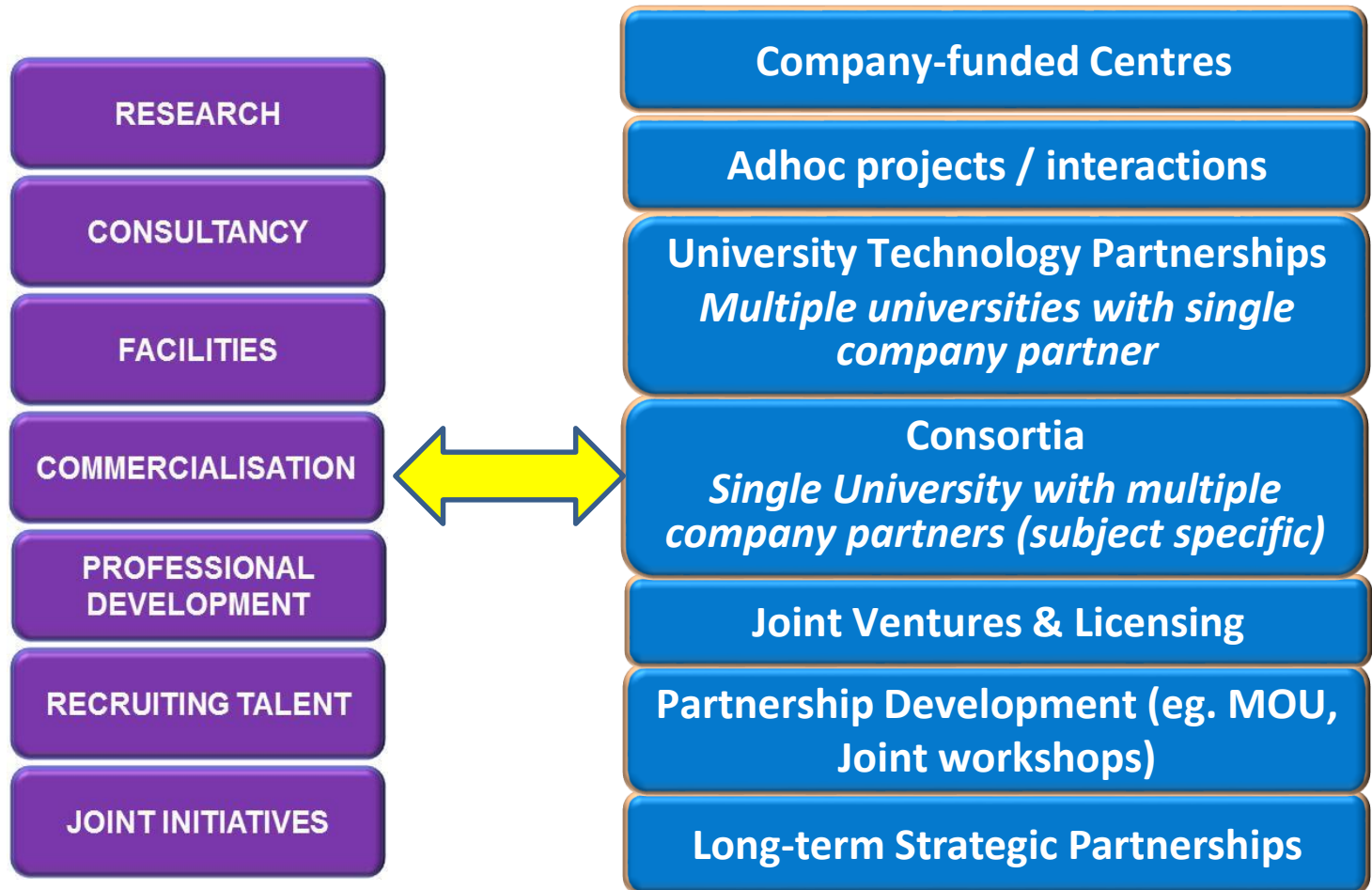
Commissioned, collaborative, sponsored and student research.



Knowledge exchange

Concept development, feasibility studies, secondments and partnerships.

Models of Collaboration



Approach to collaboration: flexible, open, collaborative 3

Research Power

UK industry's favorite University

- Ranked 1st as measured by value of research contracts from business
- Also 2nd for value of collaborative research with business in government programmes

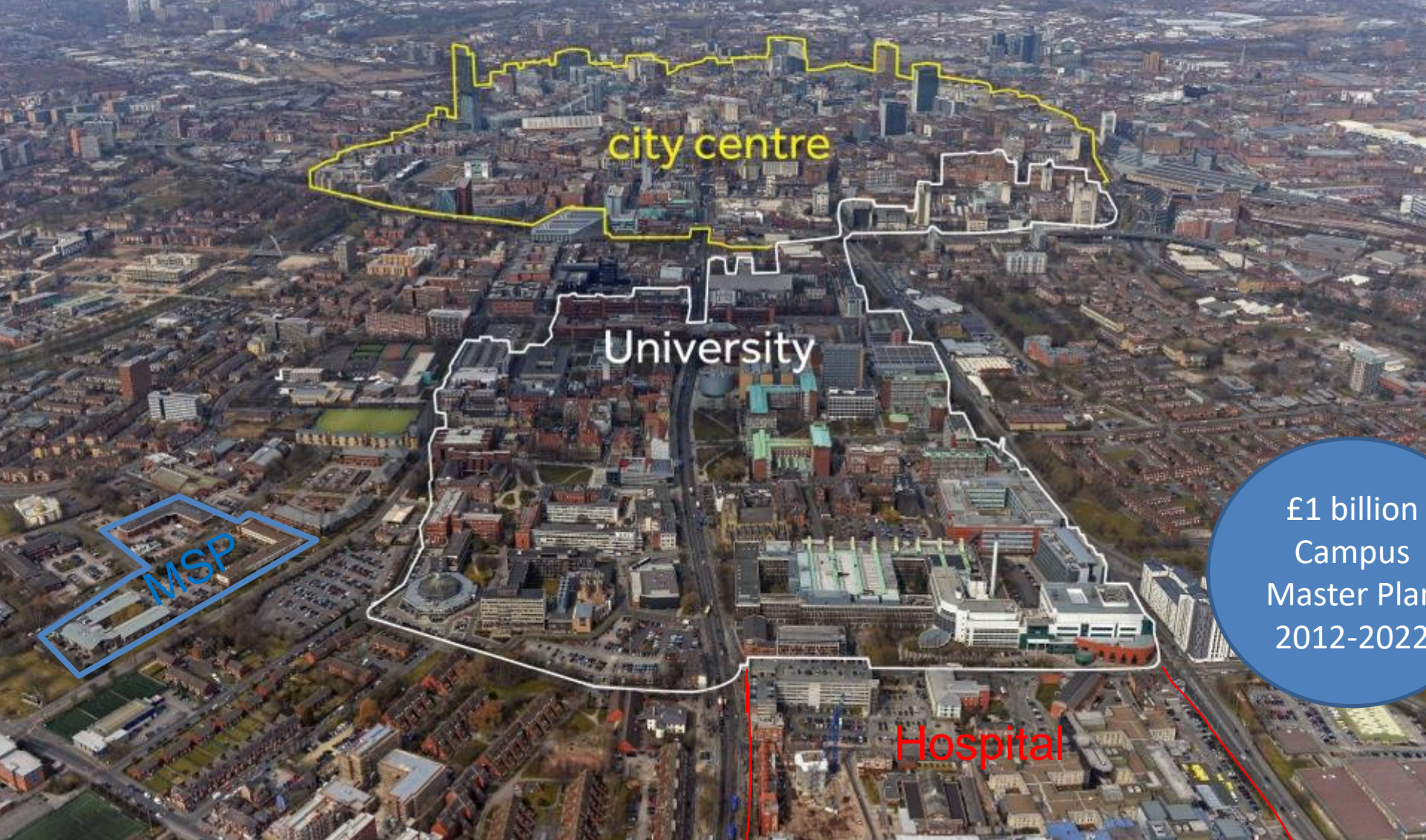
Fastest riser in Reuters Top 100: Europe's Most Innovative Universities

- Up 9 places to 8th in Europe and 3rd in UK

UoM partnering and networking:

- Regional
- National
- Global

Greater Manchester Regional Collaboration



city centre

University

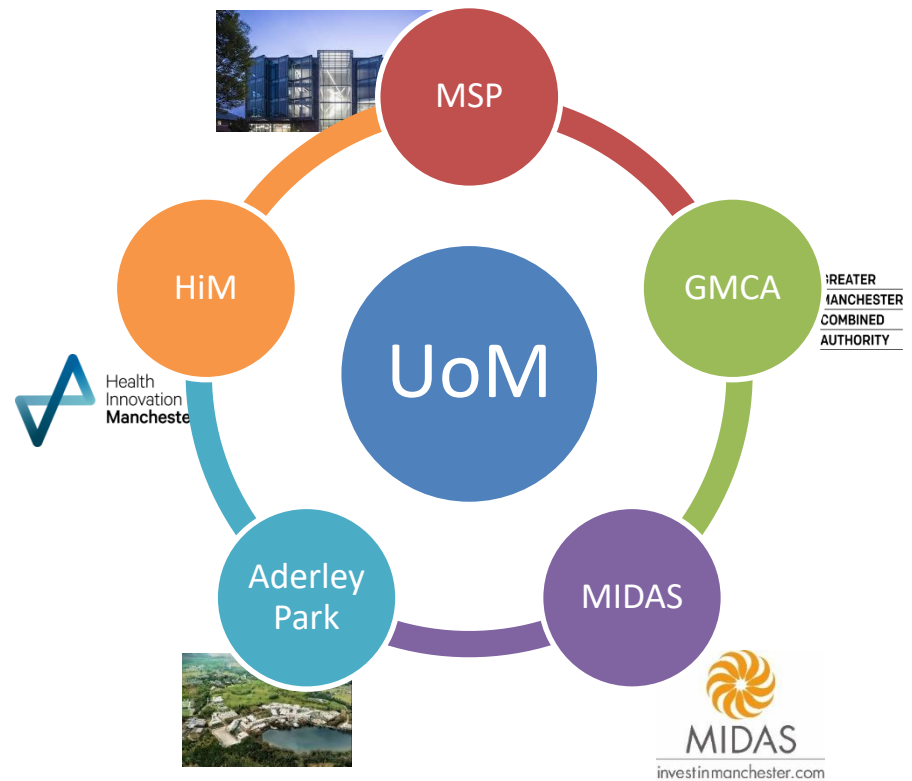
MSP

Hospital

£1 billion
Campus
Master Plan
2012-2022

Collaboration & Networking

- Business Growth Hub
- Manchester Science Park
- Alderley Park
- Creative Manchester
- Great Manchester Universities
- NW E-health ecosystem
- Bionow
- Advanced Propulsion Center
- Scale up Institute
- Fintech Network
- ERDF – Bridging the Gap



Largest number of Knowledge Transfer Partnerships in England

Research Collaboration Cases

Health Informatics@ UoM

Informatics

- Precision medicine
- Epidemiology
- Citizen driven health
- Public health
- Clinical trials
- Learning health

Imaging

- Preclinical and clinical studies in oncology, neurology, psychiatric disorders, musculoskeletal disease, cardiovascular disease, respiratory conditions and other inflammatory disorders.

Data Sciences

- Predictive biological models using computer algorithms
- Gene expression changes
- Molecular interactions network

Stroke E-diagnosis & Treatment

Stroke affects
over **6000** people
each year in Greater
Manchester



Greater Manchester

We are using patient
information to improve the
diagnosis and treatment of stroke

www.connectedhealthcities.org/greater-manchester/

@CHCNorth

De-personalised data for Antibiotics

Over the past **15** years,
17% of antibiotics
have been prescribed
unnecessarily to patients
in the **North West**



Greater Manchester CHC

We are using de-personalised
patient information to improve
the prescribing of antibiotics

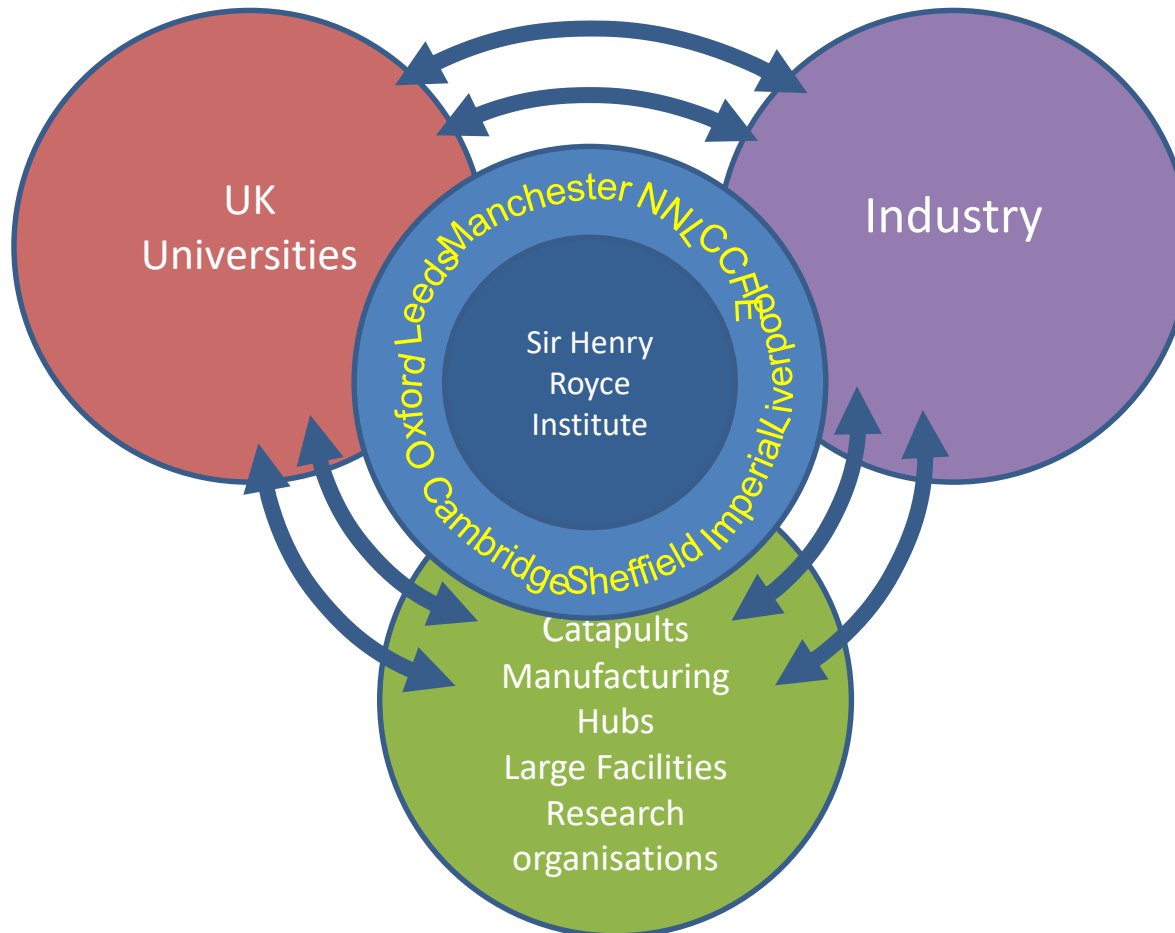
www.connectedhealthcities.org/greater-manchester

@CHCNorth #DATASAVESLIVES

For information on your GP surgery policies for the re-use of health data for research contact your practice directly.

Sir Henry Royce Institute for Advanced Materials

‘A £250m National Institute for the accelerated discovery and development of new materials systems for the economic and societal benefit of the UK’



Our Research Beacons:

Global challenges, Manchester solutions



**Addressing
Global
Inequalities**



**Advanced
Materials**



Cancer



Energy



Industrial biotechnology



**UoM
Singapore
Branch**



**Dubai
Branch**



**China
Entity
WOFE
(Wholly
Owned
Foreign
Enterprise)**



**US
Entity
Dormant**



**Hong
Kong
Branch**



**Brazil
JV
Operation**

Current UoM Strategic Accounts

- ARM
- AstraZeneca
- AkzoNobel
- BAE Systems
- Boots
- BP
- Colgate
- EDF
- GSK
- IBM
- MedImmune
- National Grid
- Rolls Royce
- Shell
- Siemens
- Tesco
- Unilever



Unilever



SIEMENS

Ingenuity for life



GlaxoSmithKline



BAE SYSTEMS

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Thank you

Hui.wang@manchester.ac.uk



MMPathIC, DiTA and Manchester University NHS Foundation Trust – partnership working across the University/ NHS interface

Dr Katherine Boylan, Operations Director
6th February 2020

Manchester Molecular Pathology Innovation Centre – the original concept

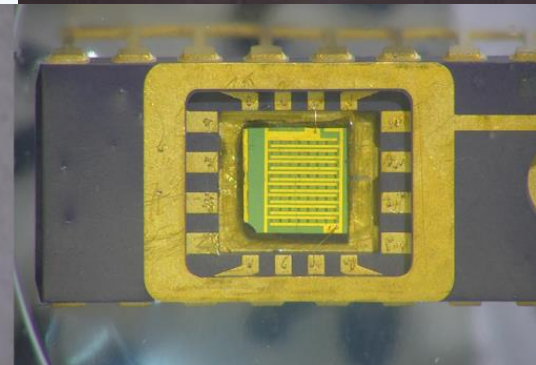
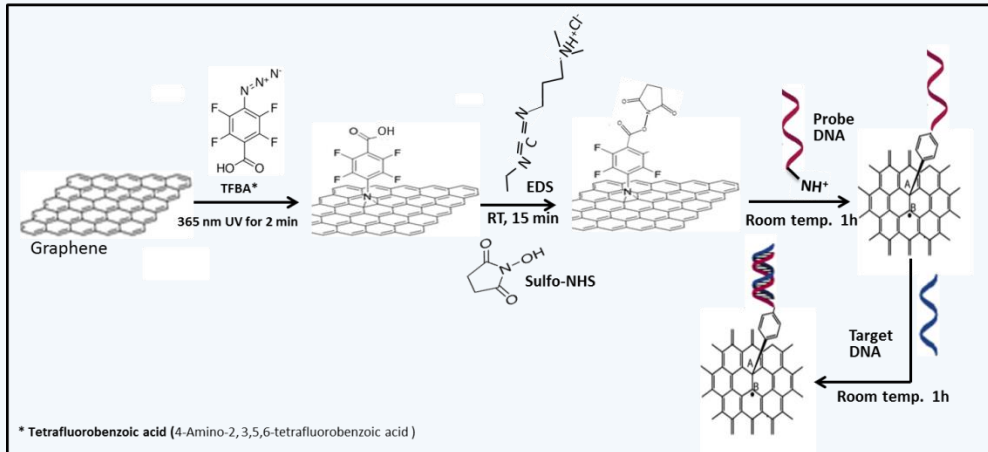
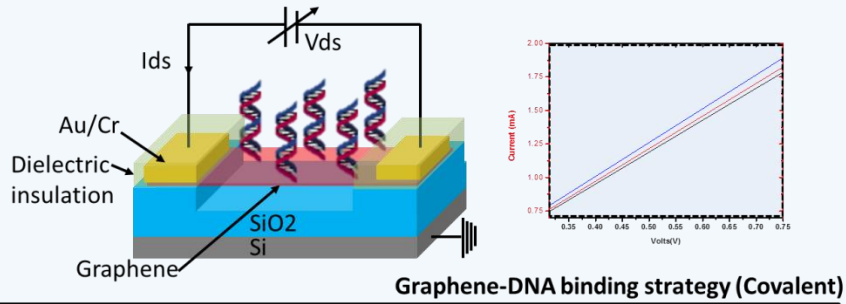
- £2.9m MRC/ EPSRC funding – molecular pathology node call
- Additional £1.1m institutional and industry support
- Leveraged strengths and existing funding
 - Inflammatory disease (3 MRC stratified medicine consortia)
 - Proteomics (£13m MRC Stoller Biomarker Discovery Centre)
- MSc Molecular Pathology
- Flexible funding (EPSRC remit) to pump prime interdisciplinary interactions

Manchester Molecular Pathology Innovation Centre – the original objectives

- Targeted discovery, development and validation of novel biomarkers
- Translation into molecular pathology tests, based on a solid evaluation of a value proposition
- Taking technology into clinical laboratories and commercial settings
- Education and awareness
- Catalysing interactions between organisations/ individuals that further MMPathIC's goals
- Financial sustainability by the end of the grant's lifetime

Vision: 6 new biomarkers/ tests to the clinic by end of grant lifetime

Graphene in Healthcare Collaboration



9 genomic assays for neurological tumours 7 mass spec-based clinical biochemistry tests



Dr James Bluett

Rheumatoid arthritis



OPEN ACCESS

TRANSLATIONAL SCIENCE

Development and validation of a methotrexate adherence assay

James Bluett,^{1,2} Isabel Riba-Garcia,³ Suzanne M M Verstappen,^{2,4} Thierry Wendling,⁵ Kayode Ogungbenro,⁵ Richard D Unwin,³ Anne Barton^{1,2}

Handling editor Professor Josef S Smolen

► Additional material is published online only. To view please visit the journal online (<http://dx.doi.org/10.1136/annrheumdis-2019-215446>)

ABSTRACT

Background The first-line therapy for rheumatoid arthritis (RA) is weekly oral methotrexate (MTX) at low dosages (7.5–25 mg/week). However, ~40% of patients are non-adherent which may explain why some do not respond and need to start more expensive biological

Key messages

What is already known about this subject?

► About 40% patients are non-adherent to methotrexate, up until now there has been no objective direct method to measure

NEWS & VIEWS



Could a methotrexate blood assay improve adherence?

Maxime Dougados

In patients with chronic inflammatory rheumatic diseases, non-adherence to methotrexate therapy could lead to lower drug efficacy, unnecessary adjustments of medication, and avoidable health-care costs. Use of a novel blood assay to measure methotrexate could help prevent or reduce non-adherence in clinical practice.

Refers to Bluett, J. et al. Development and validation of a methotrexate adherence assay. *Ann. Rheum. Dis.* <https://doi.org/10.1136/annrheumdis-2019-215446> (2019).

In the absence of contraindications, methotrexate (MTX) is the recommended first-line DMARD for Rheumatoid Arthritis (RA)¹.

in a 1 year prospective multicentre observational study designed to identify predictors of response to MTX in patients with RA. This

beliefs and/or fears linked to their medication) are often intertwined. Patients often cite unintentional causes of non-adherence such as having forgotten to take the drug, but health professionals should be aware that this excuse might hide other reasons for non-adherence.

The most important question to consider is whether non-adherence to drugs is preventable. Results from studies and in particular from randomized controlled studies conducted in chronic disorders, including in disorders other than rheumatic diseases, suggest that the best way to reduce drug non-adherence is to prevent it². To optimize drug adherence, it is strongly recommended that patients are involved in decisions surrounding their own healthcare (shared decision-making) and that patient information and education accompany any anti-rheumatic treatment³.

But if a patient is non-adherent to their ongoing medication, how can adherence

Methotrexate adherence assay

What next for MMPathIC?



DISCOVERY

- Clinical/academic expertise
- Tissue banks/patient cohorts

EARLY DEVELOPMENT/ VERIFICATION

- Highly regulated GxP laboratories

VALIDATION

- Bioinformatics
- Clinical trial expertise

CLINICAL EVALUATION

- Health economics
- Access to NHS pathology specialities
- ParALab development

TRANSLATION INTO CLINICAL USE

- Local integrated test bed Around 3 million population
- Health Innovation Manchester
- Links to NICE

ROUTINE IMPLEMENTATION

- National strategic partners for wider role out
- AHSN network

Manchester Molecular Pathology Innovation Centre

Diagnostics and Technology Accelerator

Diagnosics and Technology Accelerator

**Objective: catalyse the
generation of evidence
for new medical
technologies**

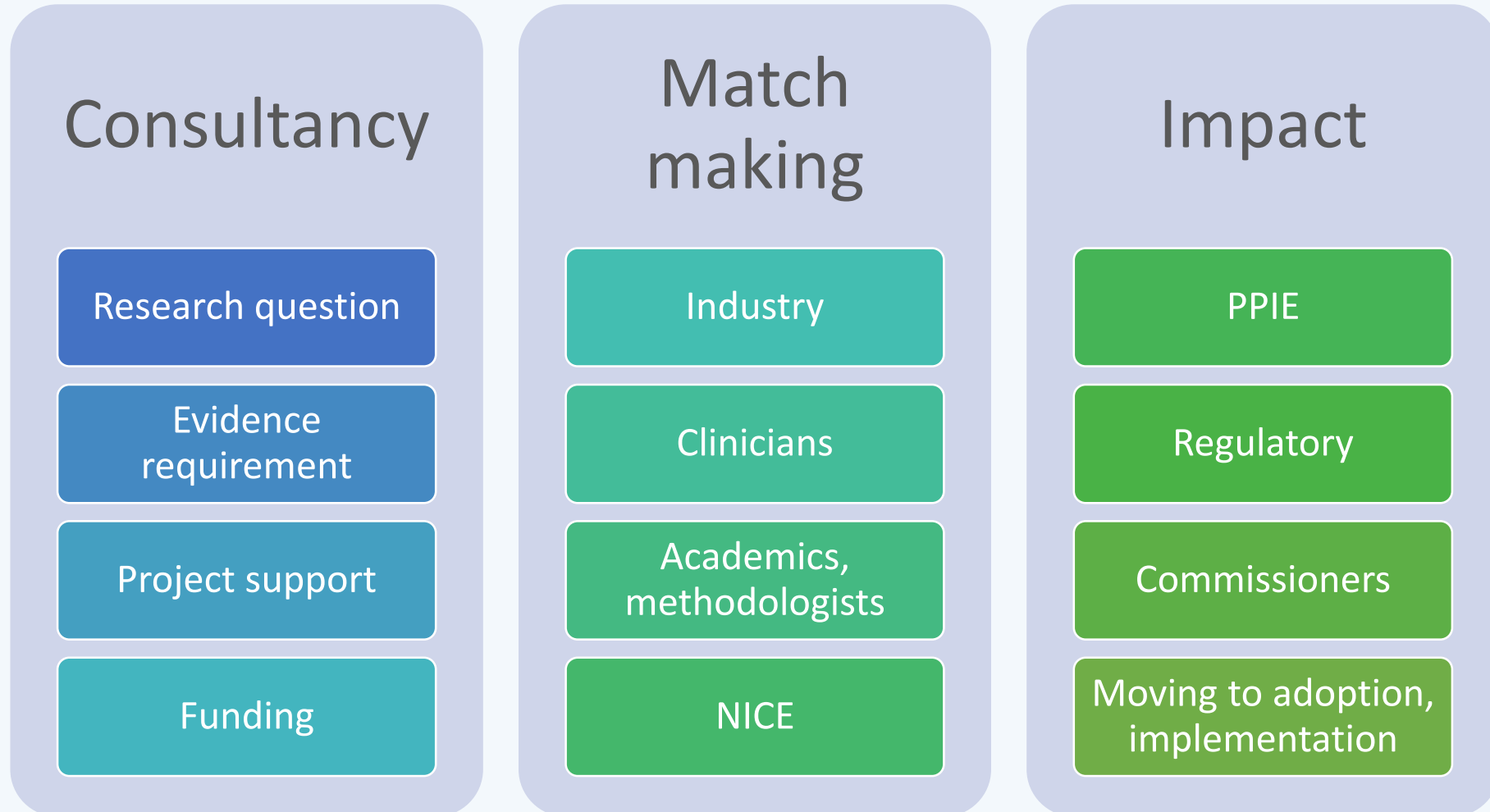
In vitro diagnostics

Medtech, devices, digital





Diagnostics and Technology Accelerator



Diagnostics and Technology Accelerator

World's first emergency genetic test can save newborns from permanent deafness with simple cheek swab

Exclusive: New method undergoing trial in UK could spare more than 180 babies profound hearing loss a year – and save NHS millions

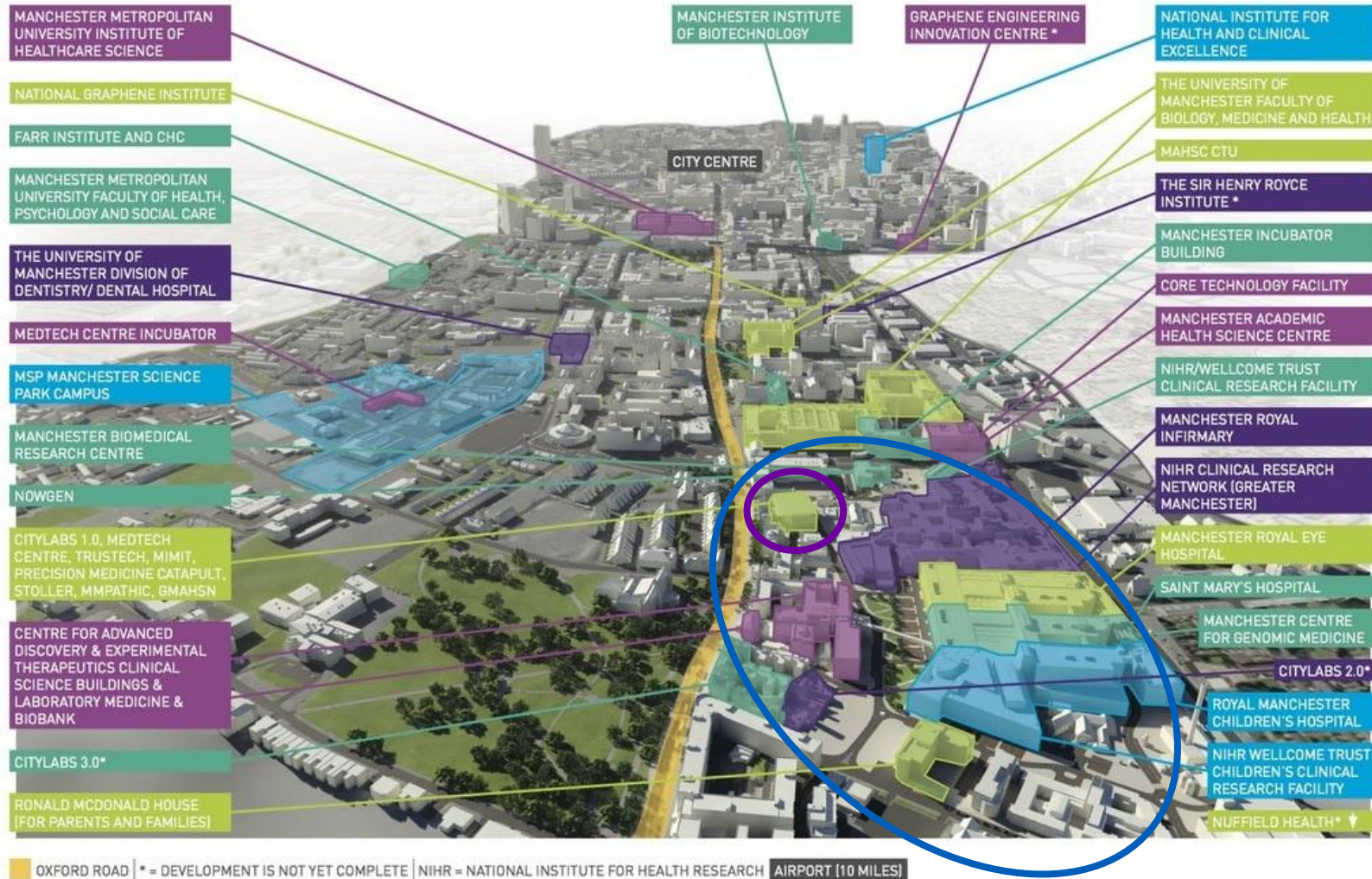
Rachel Pugh | 2 days ago

The screenshot shows a web browser window displaying a news article. The URL is independent.co.uk/news/health/baby-deafness-gentamicin-test-genedrive-neonatal-care-nhs-... The article title is "World's first emergency genetic test can save newborns from permanent deafness with simple cheek swab". The sub-headline reads "Exclusive: New method undergoing trial in UK could spare more than 180 babies profound hearing loss a year – and save NHS millions". The author is Rachel Pugh, published 2 days ago. Below the text is a close-up photograph of a newborn baby's ear.





HEALTH IS OUR BUSINESS: ON THE CORRIDOR



What we are looking for in a partnership/ collaboration

- Organisations of any size and sector
- Partners keen to work with us and our clinical experts
- Devolved Health and Social Care budget
- Development of products meeting the needs of NHS/ patients

katherine.boylan@manchester.ac.uk

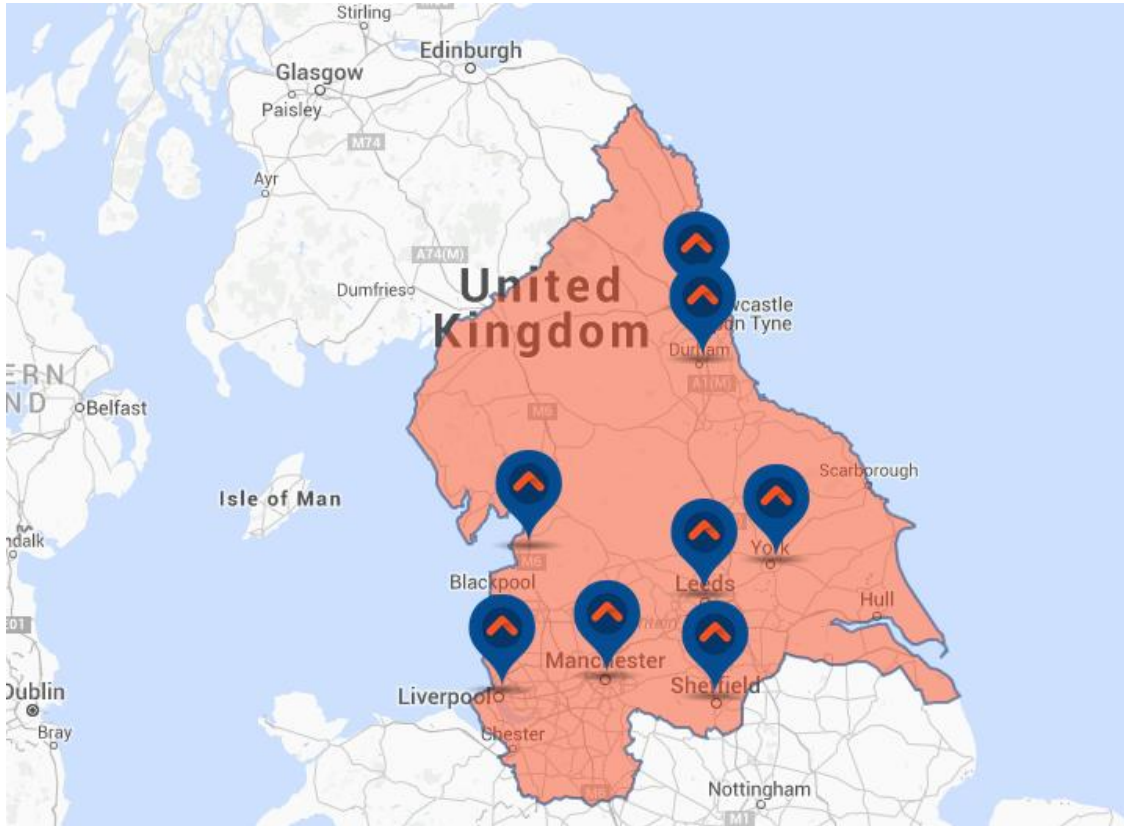


N8 Research Partnership

Nick Goldspink, Research Partnership Manager

6th February 2020

The North of England



Strategic collaboration between 8 research-intensive universities in North of England.

- Population: ~16m people
- 5 Major urban areas
- GDP of £350bn
- 8 world-class universities

Vision

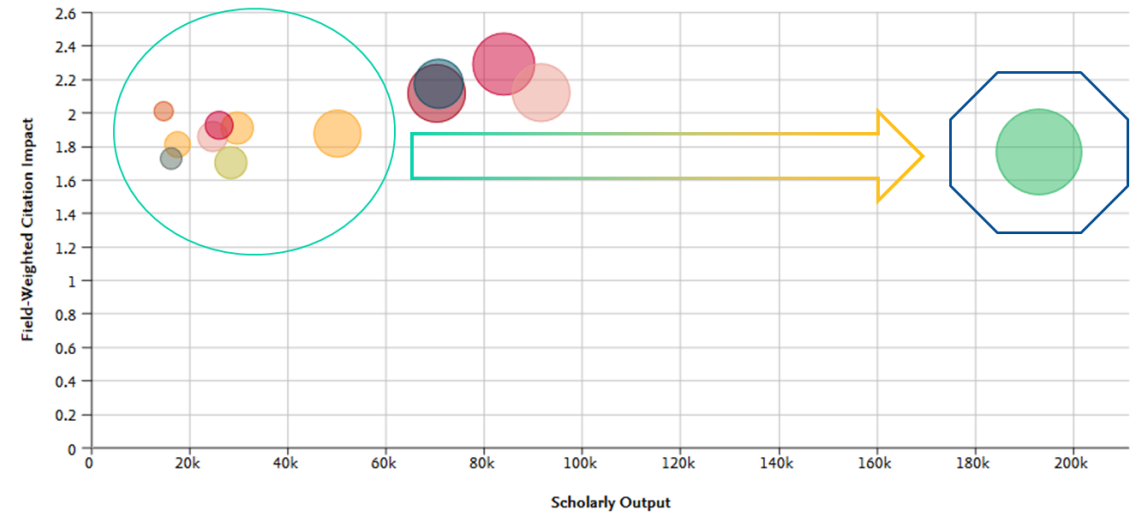
An exceptionally effective cluster of
research, innovation, and training
excellence;

Delivering benefits to the economy and
communities in the North of England and
beyond.

Vision

An exceptionally effective cluster of research, innovation, and training excellence;

Delivering benefits to the economy and communities in the North of England and beyond.

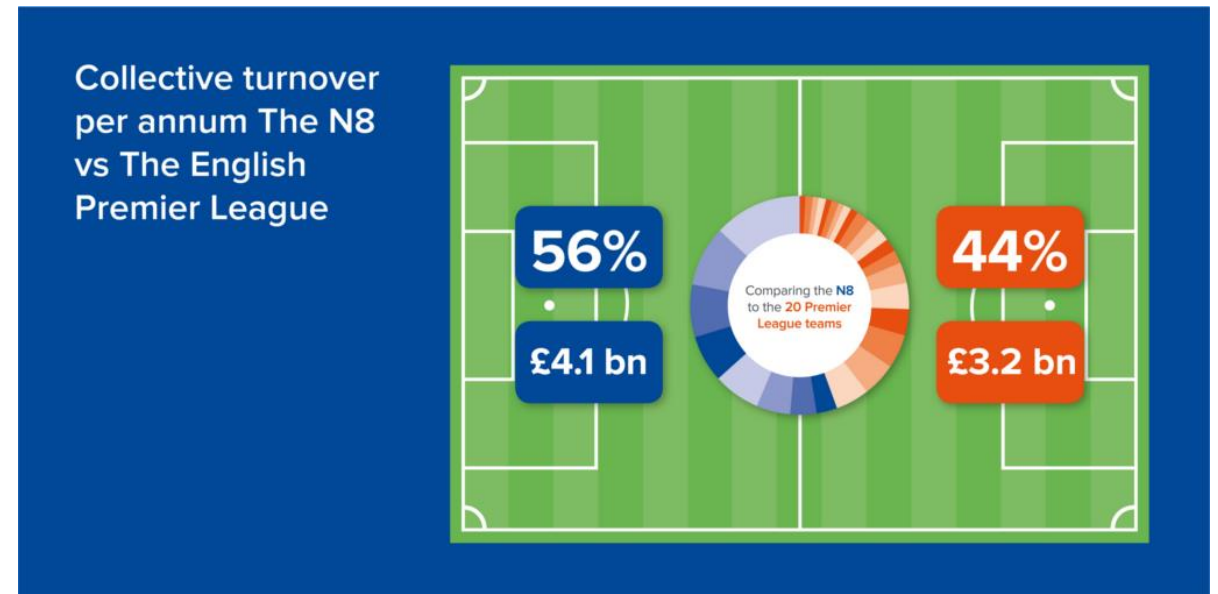


Vision

An exceptionally effective cluster of research, innovation, and training excellence;

Delivering benefits to the economy and communities in the North of England and beyond.

- Collective income of £4.1bn p.a.
 - 12% of the UK higher education sector income
- Economic activities generate an additional £5.2bn in other industries.
- With the impact of students, the overall impact is £12.2bn p.a.



N8 Board (Vice-Chancellors)

N8 SEG (Pro-Vice-Chancellors, Research)

N8
Directorate

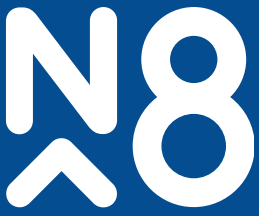
N8 Programmes (AgriFood, Policing, CIR etc)

PDR Working
Group

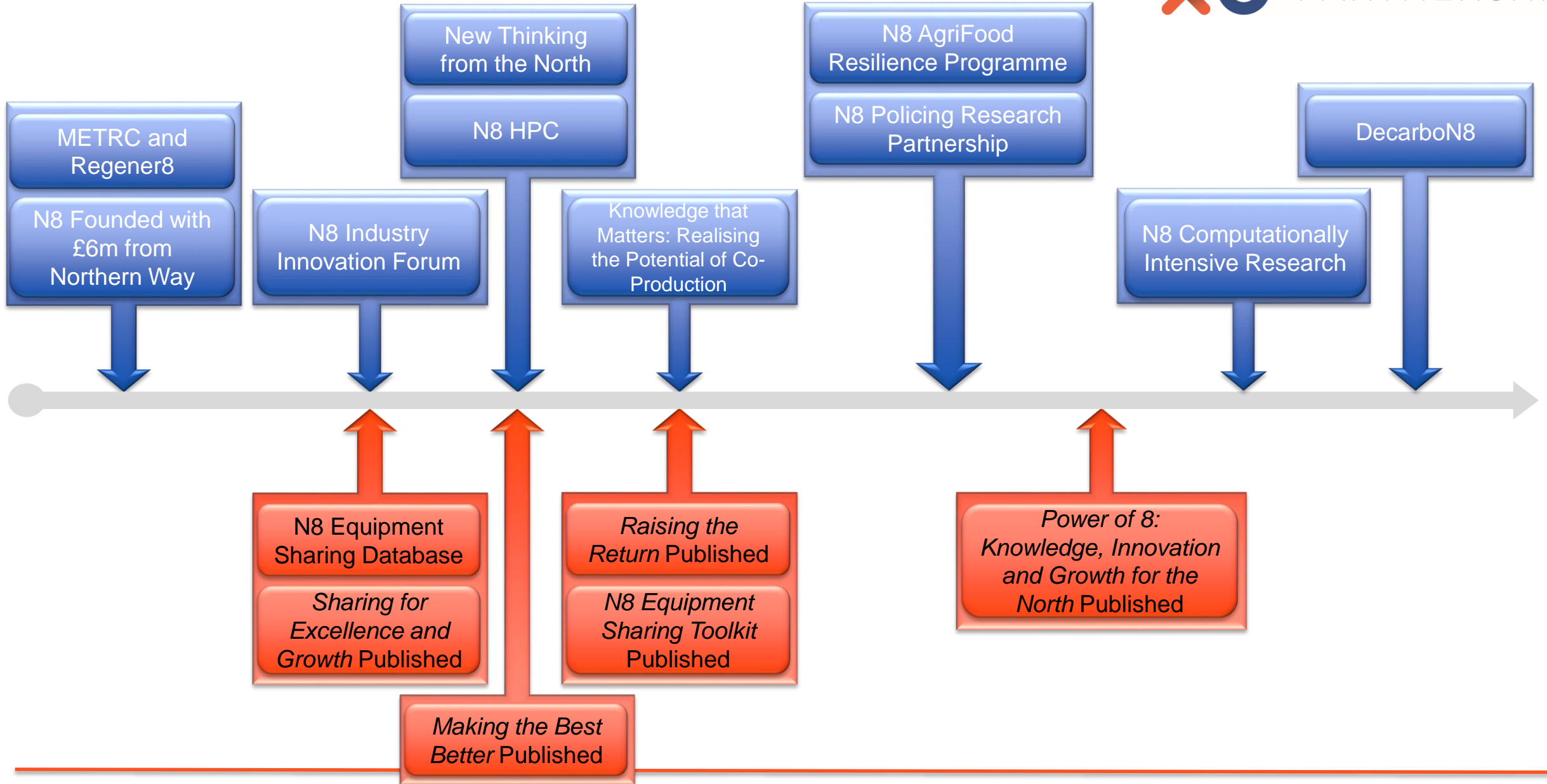
Research
Directors Group

Communications
Directors Group

International
Group



N8 achievements over the last 13 years



Current Priorities

Major collaborative research programmes:

- N8 Policing Research Partnership
- N8 AgriFood Resilience Programme
- DecarboN8

Centre of Excellence:

- N8 Computationally Intensive Research

International

- African Research Universities Association (ARUA)
- African Union Development Agency (AUDA)

Strategic Partnerships

- NHSA
- iBioIC
- RIBA North
- Biohub at Alderley Park

- Benefits
 - Critical Mass
 - Complimentary expertise
 - Community building
 - Increased impact

What works...

Purpose

- activities must clearly describe their purpose.
- targeted at identifying significant multi-university, collaborative opportunities in challenge areas of national and international importance.

Planning and Engagement

- Pre-event: four to six months of sense-checking and stakeholder engagement to fully understand and express their challenges leads to best outputs
- Create the best possible environment for successful projects to be described and developed.

People

- Senior and public endorsement and involvement by funders provide academic credibility.
- Attendance of very senior stakeholders ensured projects have corporate support.

Projects

- The early commitment of a lead to develop a project was critical to success.
- Research leadership not leading researcher



Image credit: Ryan Munsey

