



Early Career Research and Impact

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28th Jan 2015



Enabling staff at Lancaster
University to undertake high
impact, excellent research.

Understanding High-Impact Research Through Mode 1 and Mode 2 Research Approaches

InImpact: The Journal of Innovation Impact: ISSN 2051-6002: <http://imimpact.org>

Vol.6. No.2: pp165-180: inimp14-002

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REF
2014



IMPACT

For HEFCE, Impact is...

‘any identifiable benefit or positive influence on the economy, society, public policy or services, culture, the environment or quality of life’.

(Martin 2013)

**A new (to many) frame or
way of **describing and
understanding** outward fac-
ing or high impact research.**

Mode 2 Research

***‘The New Production of Knowledge:
The Dynamics of Science and Re-
search in Contemporary Societies’***

(Gibbons et al. 1994)

Mode 1 Research

'to accumulate centrifed, true knowledge as an end in itself, whereas Mode 2 research seeks knowledge for application'

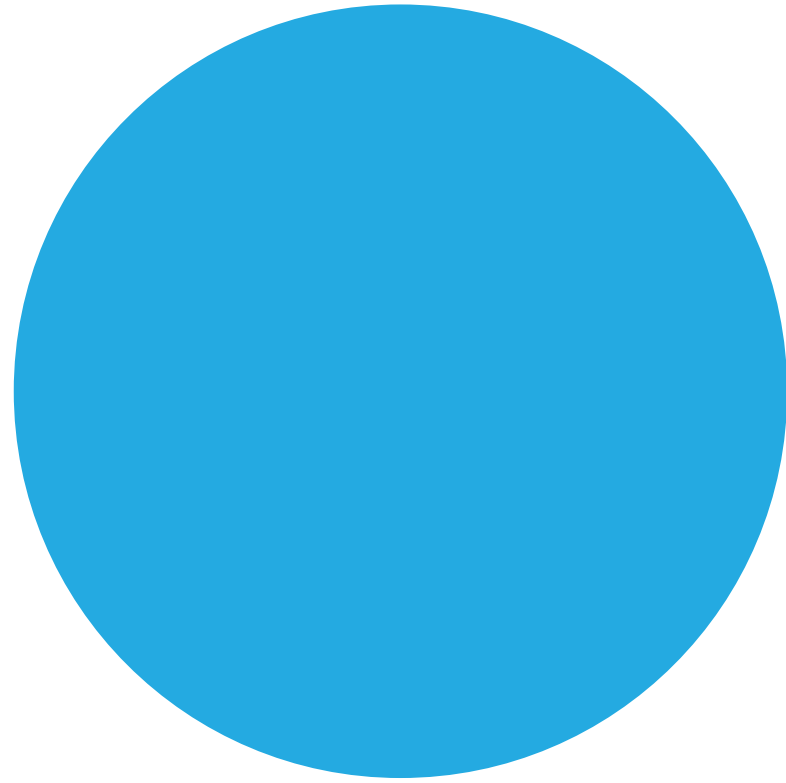
Mode 1 Research

‘to accumulate centrifified, true knowledge as an end in itself, whereas Mode 2 research seeks knowledge for application’

Mode 2 Research

‘not scientific excellence and theory-building as such but rather the production of a result that is relevant and applicable for the users of the research; socially relevant, socially robust and innovative’

Nowotny, 2003



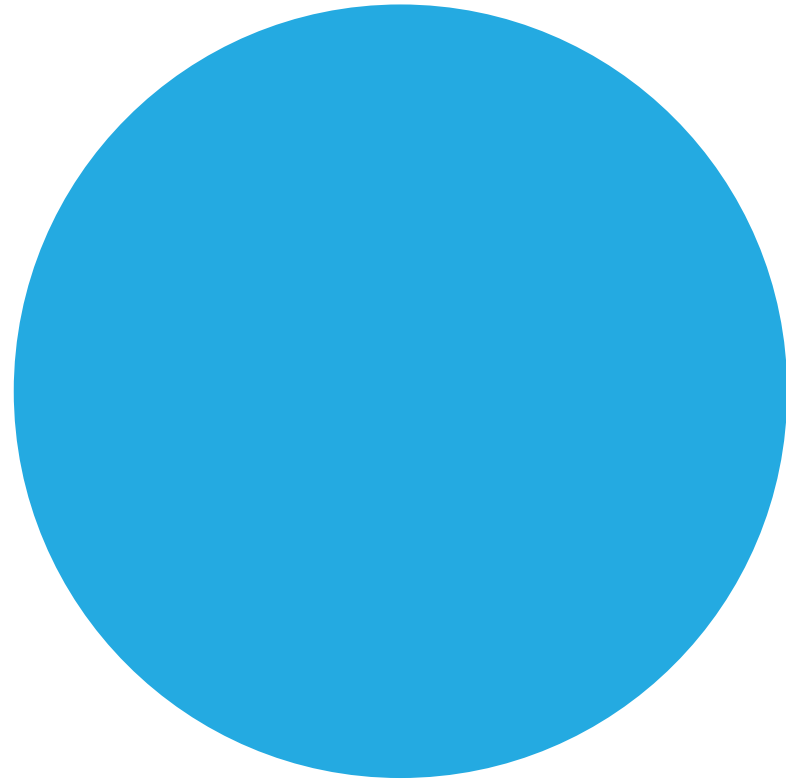
Mode 1

Working within disciplines

Well defined peer group

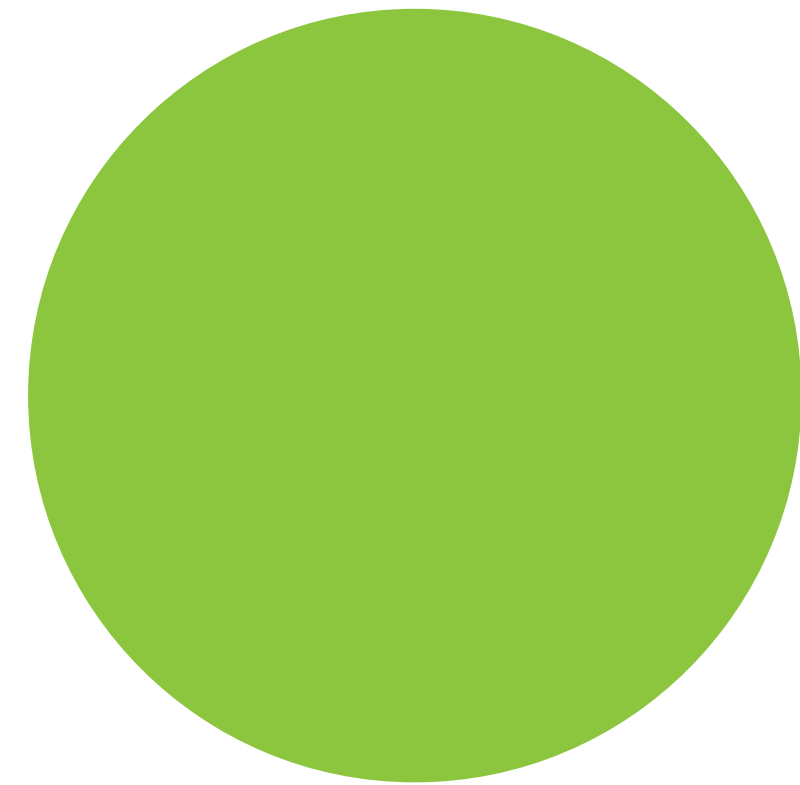
Peers determine success

New knowledge production



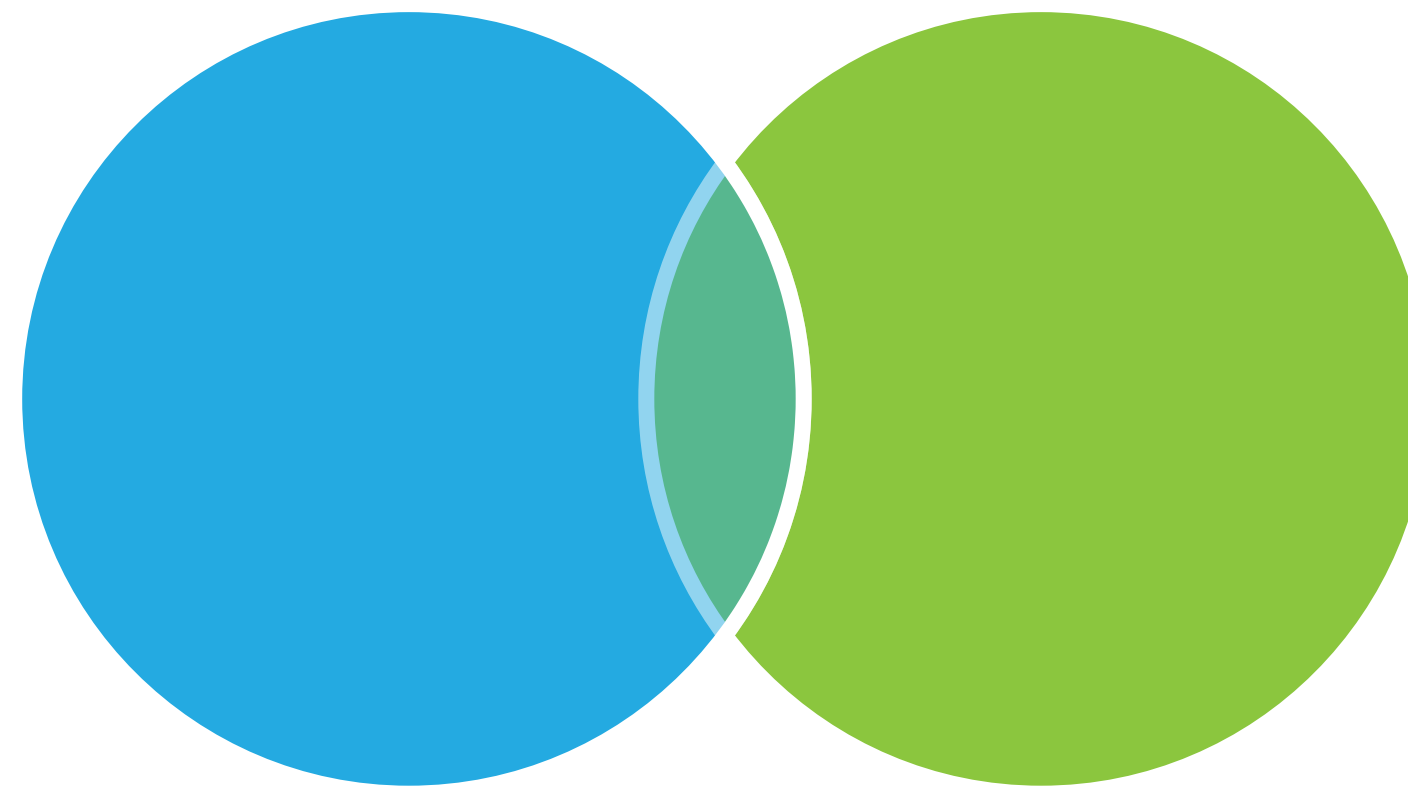
Mode 1

Working within disciplines
Well defined peer group
Peers determine success
New knowledge production



Mode 2

Working across disciplines
Diverse and distributed peer group. External factors determine success
Research Impact



Overlaps



Mode 2+1 in Activities: Beyond Networking

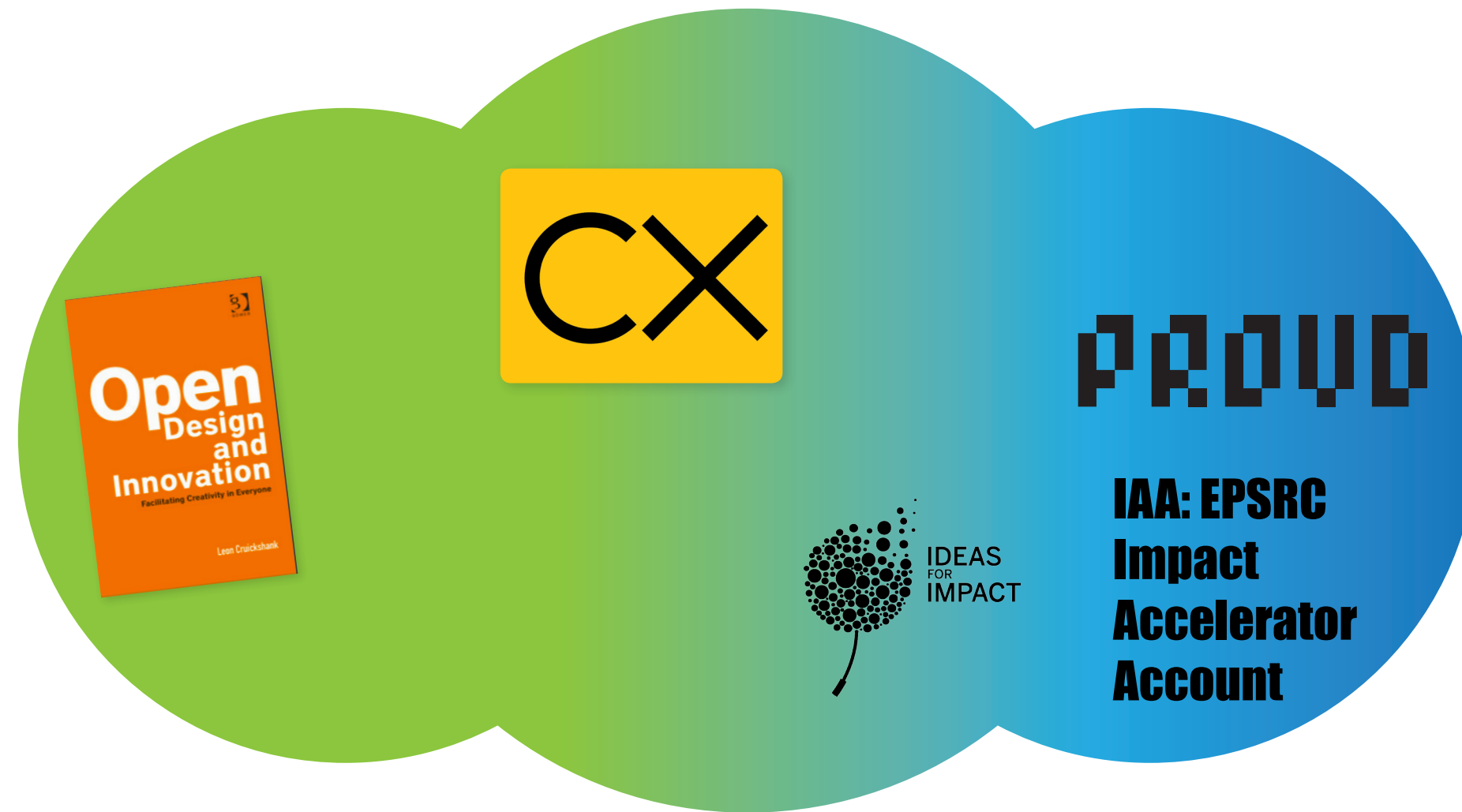


My project will contribute a detailed study of the chemical and electrochemical interactions between catholyte and cathode leading to improved understanding and development of new materials.

Robert Smith, Graduate Researcher



Mode 2+1 in Activities: Programmes



Mode 2+1 in a researchers project portfolio



Challenges for Academics

Quality measures without a consistent and coherent
group of peers

Understanding medium and long-term effects (or not)

Career and professional progression

Publishing and dissemination

Training and development

‘Transaction costs’ and resources

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Vol. 6. No. 2 : pp.165-180 : inimp14-002

Understanding High-Impact Research Through Mode 1 and Mode 2 Research Approaches.

Dr Leon Cruickshank

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Abstract: For many academics in the UK the current Research Excellence Framework (REF) has pulled the notion of impact and impactful research into focus. This paper explores the notion of high impact research and how this relates to traditional notions of research activity and quality. With a focus on the UK and how it fits into Europe it also takes a practical approach describing through case studies how academics can adopt a mixed economy of both 'pure' or Mode 1 research and knowledge transfer, knowledge exchange or engagement activities or Mode 2 research. The argument here is that the combination of



Koala

Evaluation Tool

Knowledge And Learning evaluation

Before engaging in today's event,
please respond to the questions
below:

A

How are you feeling about today's event?

What would be the very best possible outcome for you today?

What could happen at today's event that might help you in your work?

How would you want this event to challenge you?



Name

A five word biography:

Illustrate this with five lines:

Koala

Evaluation Tool

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How would you want this event to challenge you?

CORE RESEARCH ACTIVITY

Identify a core research activity and describe it in a sentence
that is easy for others to understand:

Tell us in a few words about one
of your key research interests.

CORE RESEARCH ACTIVITY

Identify a core research activity and describe it in a sentence
that is easy for others to understand:

Explaining the relationship between technologies, tools
and design in how people think, collaborate
+ create.

Tell us in a few words about one
of your key research interests.

ROUTES TO IMPACT

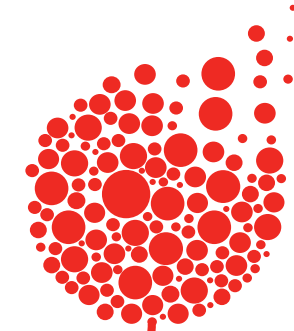
RCUK ROUTES TO IMPACT

Identify destinations or outcomes for the research activity below:

A

B

C



IDEAS
FOR
IMPACT

CORE RESEARCH ACTIVITY

Identify a core research activity and describe it in a sentence that is easy for others to understand:

Look at the RCUK suggestions for routes to impact, what are most relevant for you?

ROUTES TO IMPACT



IDEAS
FOR
IMPACT

RCUK ROUTES TO IMPACT

Identify destinations or outcomes for the research activity below:

A

Informing the design of new (+ existing) digital collaborative tools.

B

Generating R&D investment in new digital collaborative tools.

C

Enhancing tools + methods for knowledge work in companies —

CORE RESEARCH ACTIVITY

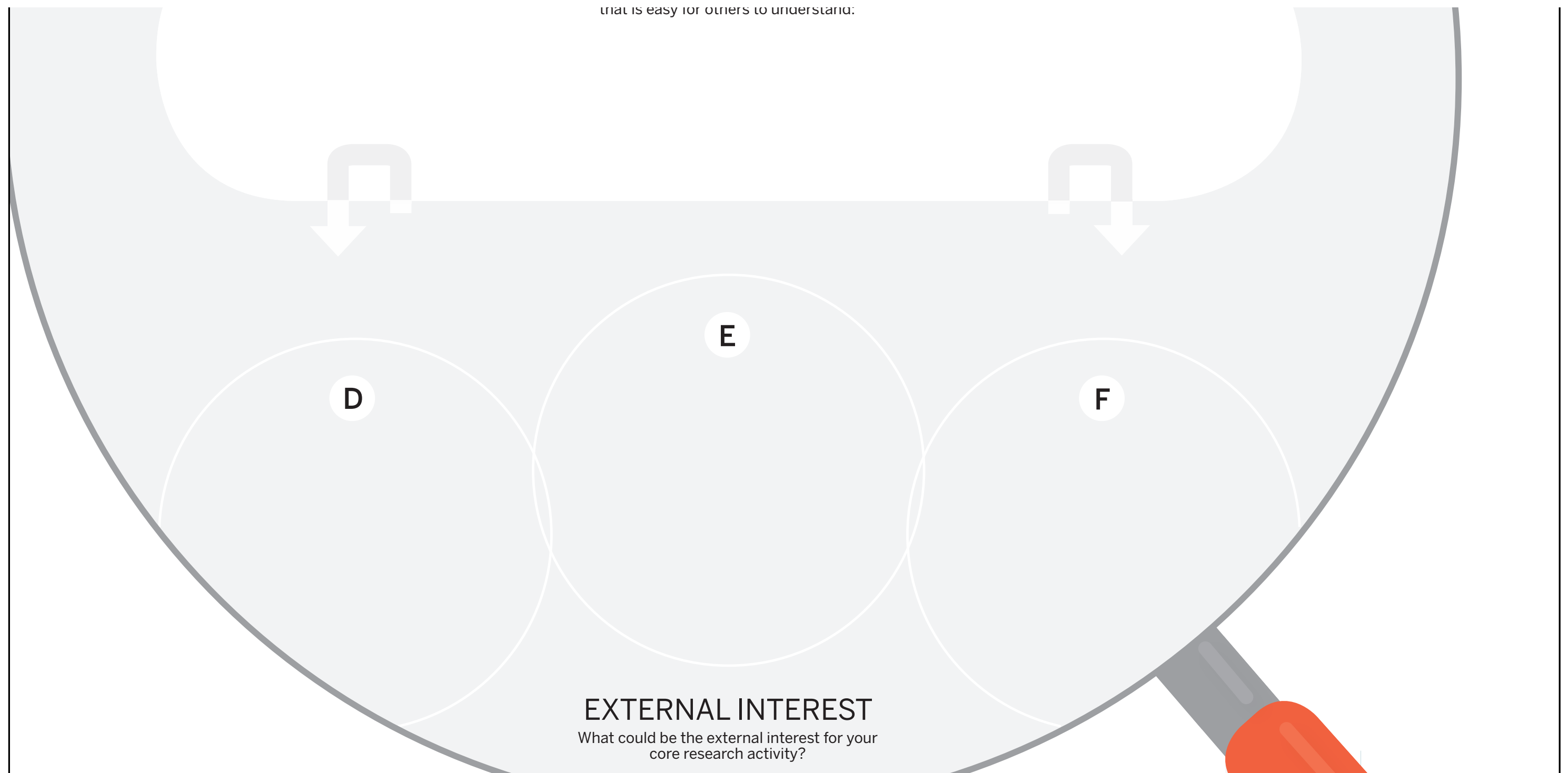
Identify a core research activity and describe it in a sentence that is easy for others to understand:

Explaining the relationship between technologies, tools and design in how people think, collaborate + create.



Change groups!

Now think about who might be interested in your research, be specific & creative



CORE RESEARCH ACTIVITY

Identify a core research activity and describe it in a sentence that is easy for others to understand:

Exploring the relationship between technologies, tools and design in how people think, collaborate + create.

E

Educational Tech.
companies looking
for novel approaches
+ technologies,
e.g. Promethian
Tech.

F

Design agencies
looking for new
creative processes
+ approaches.
eg. The Guild.

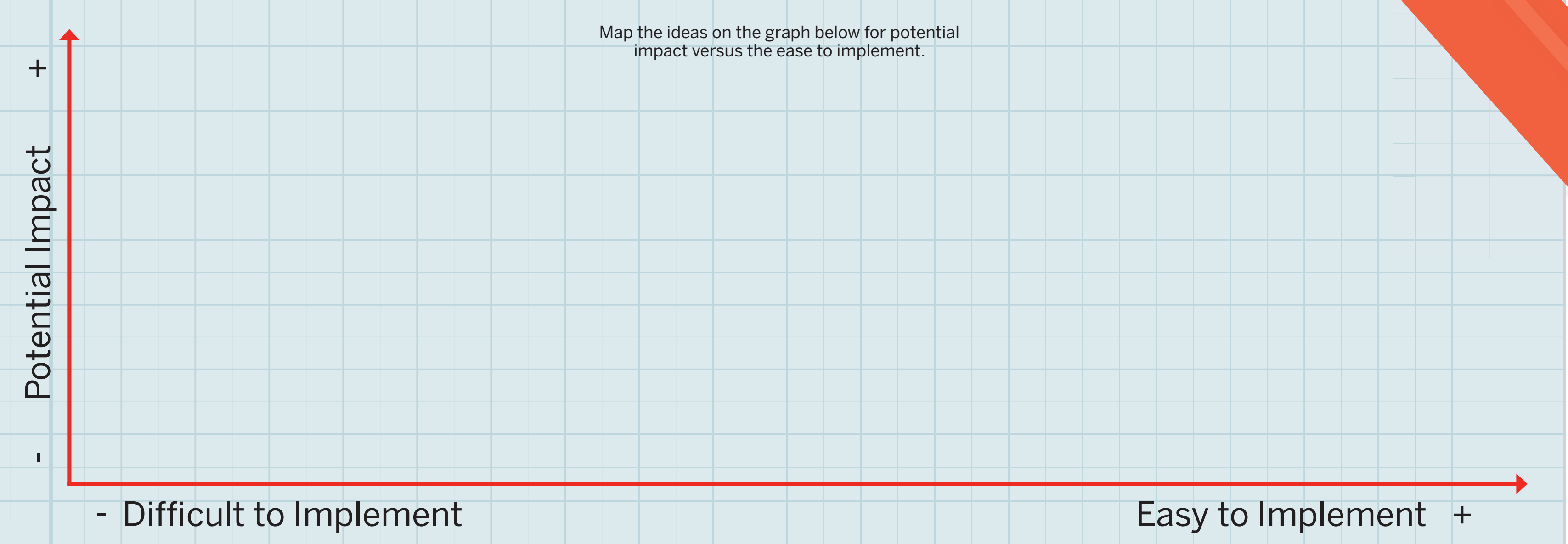
D

Research organisations
changing and developing
their working
practices.
eg. Microsoft
Research.

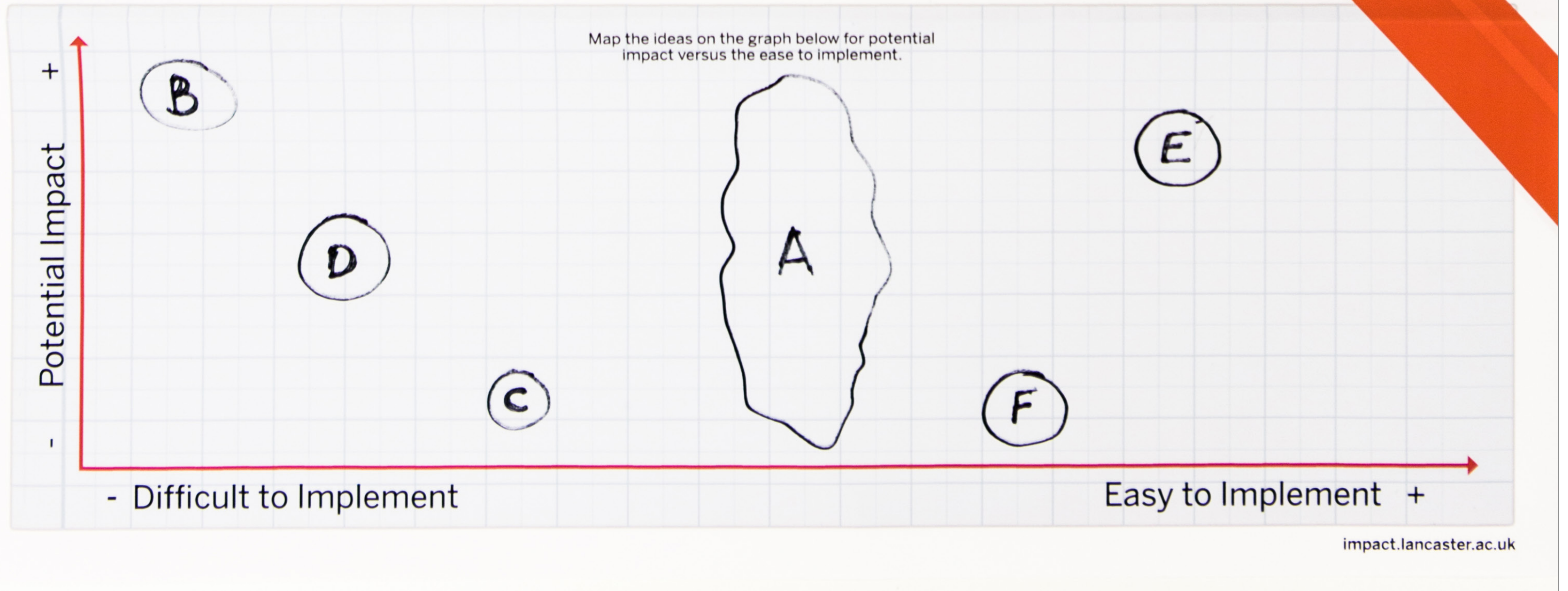
EXTERNAL INTEREST

What could be the external interest for your core research activity?

Map the ideas on the graph below for potential impact versus the ease to implement.



Look at your 6 routs to impact (A-F)
Rate them in terms of potential impact
and ease of implimnetation



If you really need to you can go back and modify your descriptions of A-F to help the mapping

