An International Perspective on Public Impact and Engagement

Dianne Nagy, South Dakota Sate University Andrew Wray, University of Bristol

NORDP 2015

Science and Society





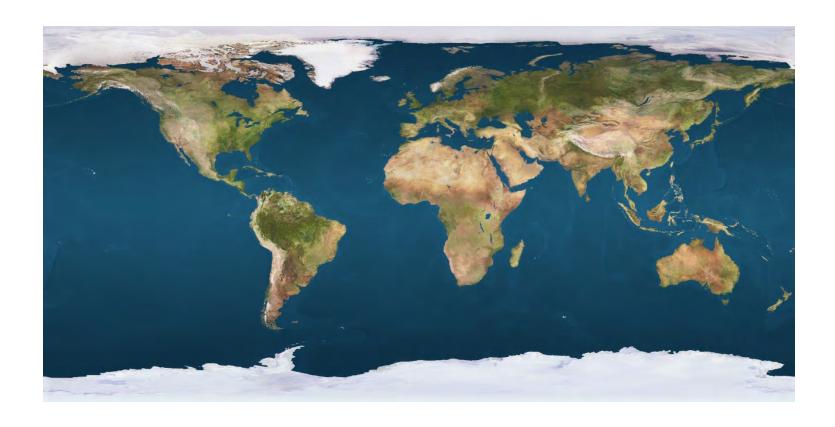
Shift to Applied Research Triggers Protests



Sean Kilpartick, The Canadian Press

Canadian scientists rally in Ottawa for restoring research spending.

The Big Picture





- Definitions and Examples
- Drivers
- Barriers
- Support structures
- Training and supporting researchers
- Discussion

DEFINITIONS AND EXAMPLES

Impact

- Demonstrable contribution that research makes beyond academia
 - To the economy, culture, national security, public policy or services, health, environment, quality of life, etc.
 - Return on investment for taxpayer





The lessons of multilevel modelling

8 May 2012

Multilevel statistical models developed by Professor Harvey Goldstein and Dr George Leckie show school league tables to be unreliable guides to school choice.

Dr George Leckie, Lecturer in Social Statistics at the Graduate School of Education explains, 'In the 1990s, league tables were only based on the percentage of children getting five A* to C grades at GCSE, but that is an unfair measure of school quality, as schools differ hugely in the ability of their student intakes, with some schools starting off with much higher-achieving pupils than others. You can't use the raw exam results as a measure of school quality, because you're not starting with a level playing field.'

So how do you produce fairer and more representative league tables? This is where the world of multilevel modelling enters the classroom. Multilevel models give statisticians tools to analyse individual behaviour taking account the different hierarchical contexts within which individuals operate. In the case of schools, you have students at the first level, at the second level are schools, and at the top level are the local authorities within which schools



Dr George Leckie Jason Ingram

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operate. By taking into account the fact that students do not learn independently and that their behaviour is influenced by the characteristics of their peer groups, teachers schools and local authorities you can go some way to providing a more well-rounded picture of a school's performance in a league table.

In 2006, the government introduced a 'contextual value-added' school performance measure to their league tables, derived from a multilevel model. This measure takes account of the differing achievements of students entering the school, as well as adjusting for a range of 'contextual' factors such as eligibility for free school meals and lack of spoken English at home.

Composition for brass band: Gaia Symphony and Eden

12 February 2012

John Pickard, internationally-recognised composer in the Department of Music, has composed pieces for brass band to wide acclaim. Two pieces in particular, Gaia Symphony and Eden, have generated considerable attention from the mainstream and specialist press, attracting audiences across the globe.

"Gaia Symphony was completed during a three-year residency with Welsh brass band The Cory Band who premiered the piece at the 2005 Cheltenham International Festival of Music," said John. "Since January 2008, the piece has been taken up internationally including being broadcast by BBC Radio 3 and recorded commercially."

Gaia Symphony was composed over a period of more than 10 years, although the bulk of the work took place between 2001 and 2004. Comprising four movements, each of of which may be performed separately, the individual sections were premiered by the National Youth Band of Wales, promoting the piece with young musicians (aged 13 to 18). There have been many different performances of the piece, including more recently at the 2011 Royal Northern College of Music (RNCM) Festival of Brass. The symphony's fourth movement, Men of Stone, was used as a test piece at the Australian Band Championships in

They now plan further performances as well as a recording.



Department of Music, Victoria Rooms

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As a result of the success of Gaia Symphony, the Brass Band Heritage Trust commissioned John to compose another piece — Eden — for the final of the 2005 British National Brass Band Championship at the Royal Albert Hall, London. Recognised as a contemporary classic, Eden

2002, and the whole symphony was performed in its entirety by Eikanger-Bjørsvik Band of Bergen, Norway, in 2011, making it the first non-British band to perform the complete work.

Engagement

- Multi-directional dialogue about the science and technology impacting our daily lives
 - Characterized by mutual learning
 - May inform scientific investigations, institutions, and/or science policy





Community Based Research



Global Trends in Support Structures for Community University Research Partnerships

Survey Results - September 2014





Photo Credits: PRIA, 2014

Prepared by

Crystal Tremblay, Budd Hall and Rajesh Tandon

UNESCO Chair in Community-based Research and Social Responsibility in Higher Education

UNESCO CHAIR IN CBR

Map 1. Regional map of survey responses.



Geographically, we received responses from a diversity of countries and regions of the world. In addition to places that have strong CURP cultures (i.e. Netherlands, Canada), we also discovered these partnership structures to be present in less 'common' countries (i.e. Albania).

Table 1. Survey responses by region of the world.

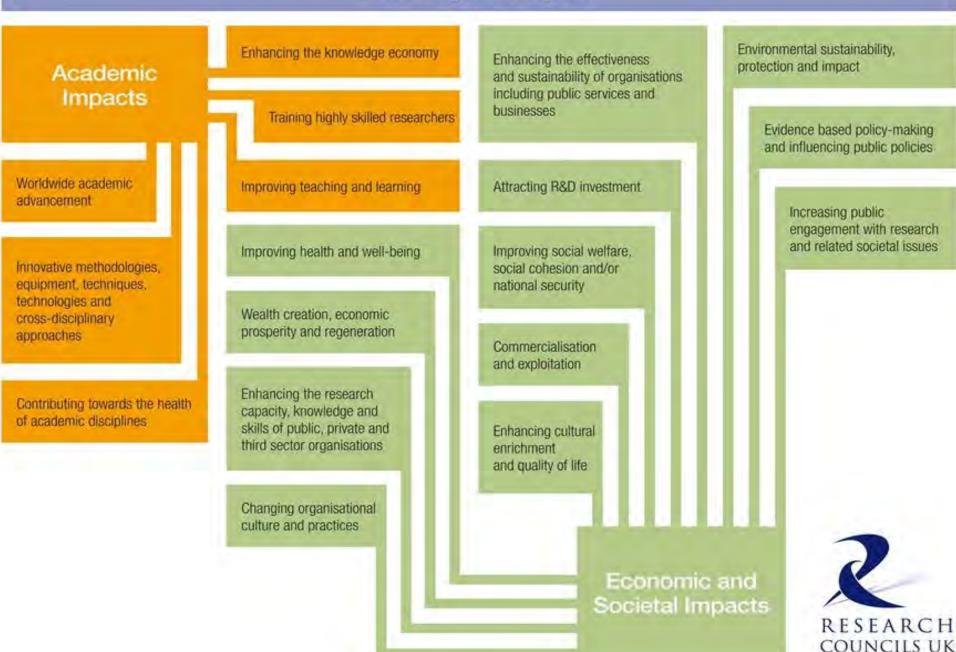


DRIVERS

Impact – its not new

- Royal Society 1662 Charter
 - "promoting ... the sciences of natural things and of useful arts"
- RCUK health and wealth
- But increasing focus (UK) since 2008
- Requirement for funding (and funding explicitly provided) "pathways to impact" and formal collection of outputs and outcomes

Pathways to Impact



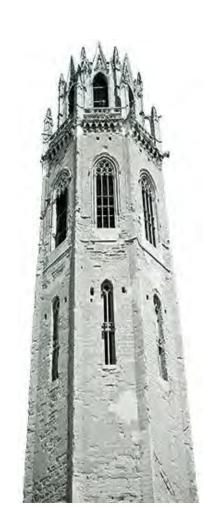
What is Impact (to funders)

- A clearly thought through Pathways to Impact statement is a condition of funding www.rcuk.ac.uk/ke/impacts/
 - project-specific and not generalized
 - flexible
 - focus on potential outcomes
- Researchers need to
 - identify and actively engage relevant users of research and stakeholders
 - articulate the context and needs of users
 - consider ways for the proposed research to address these needs, in short- or long-term
 - outline the planning and management of associated activities

The US NSF

"The [broader impacts] criterion was established to get scientists out of their ivory towers and connect them to society."

~Arden Bement, former director of the NSF





- NSF must apply a BIC to
 - increase economic competitiveness
 - develop a globally competitive STEM workforce
 - expand national security
 - expand the participation of women and underrepresented minorities
 - increase partnerships between academia, industry, and others
 - improve STEM education at PK-12 and UG levels
 - increase public scientific literacy
- NSF and universities must provide training and support

In Australia...

- Policy makers want to know
 - the best way to measure research impact
 - how to direct public investments to produce the highest return
- Group of 8 'Backgrounder'...
 - Outcomes of research are unknowable in advance
 - Subsequent development and innovation also carry high risks
 - Only a small proportion of commercial ideas are successful
 - Even successful innovation is complex and iterative
 - "I have not failed. I have just discovered 10 000 ways that won't work"
- Measurements of research impact should acknowledge the technical risks of the research and the commercialization and market risks



HORIZON 2020

The EU Framework Programme for Research and Innovation

European Commission > Horizon 2020

A	What is	
	Horizon	2020

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Science with and for Society

Promoting Gender Equality in Research and Innovation

Ethics

Science Education

Public Engagement in Responsible Research and Innovation

Open Science (Open Access)

Responsible research & innovation

Find Your area

Science with and for Society

Article

Newsroom

The aim of this programme is to build effective cooperation between science and society, to recruit new talent for science and to pair scientific excellence with social awareness and responsibility.

The 'Science with and for Society' programme will be instrumental in addressing the European societal challenges tackled by Horizon 2020, building capacities and developing innovative ways of connecting science to society. It will make science more attractive (notably to young people), increase society's appetite for innovation, and open up further research and innovation activities.



It allows all societal actors (researchers, citizens, policy makers, business, third sector organisations etc.) to work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of European society. This approach to research and innovation is called Responsible Research and Innovation (RRI).



RESEARCH & INNOVATION

Science With And For Society

European Commission > Research & Innovation > SWAFS > Policy

Home About Funding Policy Newsroom e-Library

Policy

Public Engagement

What is Public Engagement in Research & Innovation?

Public engagement in Horizon2020 implies the establishment of participatory multi-actor dialogues and exchanges to foster mutual understanding, co-create research and innovation outcomes, and provide input to policy agendas. It is about bringing on-board researchers, policy makers, industry and civil society organisations and NGO, and citizens, to deliberate on matters of science and technology. Public engagement also creates the space for ethical value-laden issues to be explored, while bringing inclusiveness, transparency, diversity, and creativity into the research and innovation process.

Furthermore, public engagement processes enable multiple actors to establish a common language, arrive at joint understandings, learn from each other, explore controversies, and co-create ideas, knowledge or solutions. To be of greatest impact, public engagement needs to be designed as a two-way process with feedback loops, so that the outcomes of the engagement processes are usefully fed back into the research and innovation process.

More Info

- Special Eurobarometer Responsible Rese and Innovation (RRI), Science and Technothis 2013 study follows on from that of 2 in addressing European citizensâ general attitudes towards science and technolog More on public opinion here.
- Responsible Research and Innovation:
 European ability to respond to societal
 challenges: this leaflet is an introduction
 RRI
- Options for strengthening Responsible Research and Innovation: the report of the Expert Group on the state of the art in Eu on RRI (2013).

BARRIERS

PI Response to BI Criterion

political ambiguous undermining external irrelevant

CONFUSING extraneous punitive counterproductive

Expertise

"My general feeling is that it is important to engage in broader impacts as a scientist, but I may not be the best person to implement them (and do not have the time to learn how and don't want to make it my focus). I wish there were a way to partner with experts in broader impacts so that we could work together, but each have expertise in one area - broader impacts and the intellectual merit of the science."

Identity

- "And what of those of us in the humanities? Do we not provide a social benefit to humanity?"
- "Quantify it. If you can't justify the benefit of your work to taxpayers, you shouldn't expect them to provide support."
- "The benefit of the humanities is not a matter of quantity, but of quality. The debased human life in which monetary gain is the only value is what the humanities intentionally resist, because they offer values that are intangible yet vital: memory and introspection, cultural identity and cohesion, compassion and empathy. To quantify such values is inherently to betray them."



















STAR METRICS® is a federal and research institution collaboration to create a repository of data and tools that will be useful to assess the impact of federal R&D investments. The National Institutes of Health (NIH) and the National Science Foundation (NSF), under the auspices of Office of Science and Technology Policy (OSTP), are leading this project.

About STAR METRICS®

News

Graduate Programs and their Participants

A map of graduate positions from 2012 data collected by the National Science Foundation (NSF) through a survey of degree-granting institutions called the Graduate Student Survey (GSS).

Measuring the Results of Science Investments

Science agencies and research institutions are building the infrastructure to evaluate results of federal funding of science research.

Vice President Biden, University Leaders Discuss Impact of Stimulus on Research and Innovation

Among American Recovery and Reinvestment Act's

How to Get Started With Level I

Get started learning about STAR METRICS® by visiting the following links:

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Employment Calculations



Federal RePORTER

Federal RePORTER is an initiative of STAR METRICS® to create a searchable database of scientific awards from federal agencies and make this data available to the public.

SEARCH



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Search documents

Higher Education Research

Research Impact Assessment

Resources

Research Impact Assessment

For: All

The department has investigated options for the design of a universitybased research impact assessment mechanism. The broad aims of this mechanism is to:

- provide an evidentiary basis for public investment in research
- increase incentives for universities to engage with research endusers
- improve understanding of pathways between research and innovation to inform policy.

Feasibility study

The 2011 Focusing Australia's Publicly Funded Research Review recommended that the department undertake a feasibility study on possible approaches for assessing the wider benefits arising from publicly funded research.

Undertaken in 2012, the study considered the findings of a number of reports that have made recommendations in relation to impact assessment; including:

- Research skills for an innovative future, the Australian Government's Research Workforce Strategy (Priority 6.2)
- Smarter Manufacturing for a smarter Australia, the report of the non-

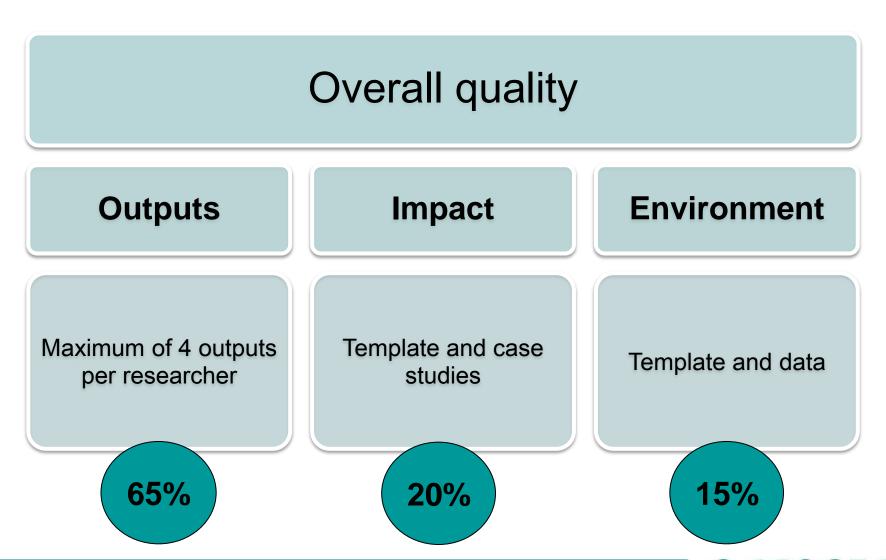
Research Excellence Framework

The REF is a UK-wide framework for assessing research in all disciplines. Its purpose is:

- To inform research funding allocations
- Provide accountability for public funding of research and demonstrate the public benefits
- To provide benchmarks and reputational yardsticks



Research Excellence Framework





REF - Overall rankings at Bristol

Unit of Assessment	Overall rank in Sector	
UoA 2 (Public Health)	4th out of 32	
UoA 7 (Earth Sciences)	2nd out of 45	
UoA 8 (Chemistry)	4th out of 37	
UoA 10 (Maths)	5th out of 53	
UoA 17 (Geography)	1st out of 74	
UoA 26 (Sport & Exercise)	1st out of 51	
Veterinary Sciences, Engineering, Economics, Law, Social Policy, Sociology, Education	Within top 10	

REF - Impact rankings at Bristol

Unit of Assessment	Impact rank in Sector	
UoA I (Clinical Medicine)	100% 4* 1st out of 31	
UoA 2 (Public Health)	100% 4* 1st out of 32	
UoA 10 (Maths)	4th out of 53	
UoA 15 (General Engineering)	5th out of 62	
UoA 18 (Economics)	100% 4* 1st out of 28	
UoA 23 (Sociology)	4th out of 29	
UoA 26 (Sport & Exercise)	100% 4* 1st out of 51	
Dentistry, Neuroscience, Veterinary science, Management, Law	Within top 10	

Assessing Impact

- REF2014 Impact Case Study Database - <u>http://impact.ref.ac.uk/CaseStudies</u>
 - >6,500 documents, searchable by subject = 'Unit Of Assessment'
 - compare between institutions and against national reference profiles and benchmarks
- Initial Analysis of Impact Case Studies www.hefce.ac.uk/analysisREFimpact/
 - Policy Institute at King's College London
 - Text mining and qualitative analysis to identify general patterns and thematic structures
 - Useful infographics, but read the caveats behind the methodology.
- Evaluation of Preparing Impact Submissions RAND Europe www.hefce.ac.uk/pubs/rereports/Year/2015/REFimpacteval/
 - Looked at submission preparation by universities, and assessment process by REF panels.
 - Median cost to produce a single case study was £7.5k
 - Average time to produce an impact case study was 30 days
 - Total cost to the universities for the impact element was £55M



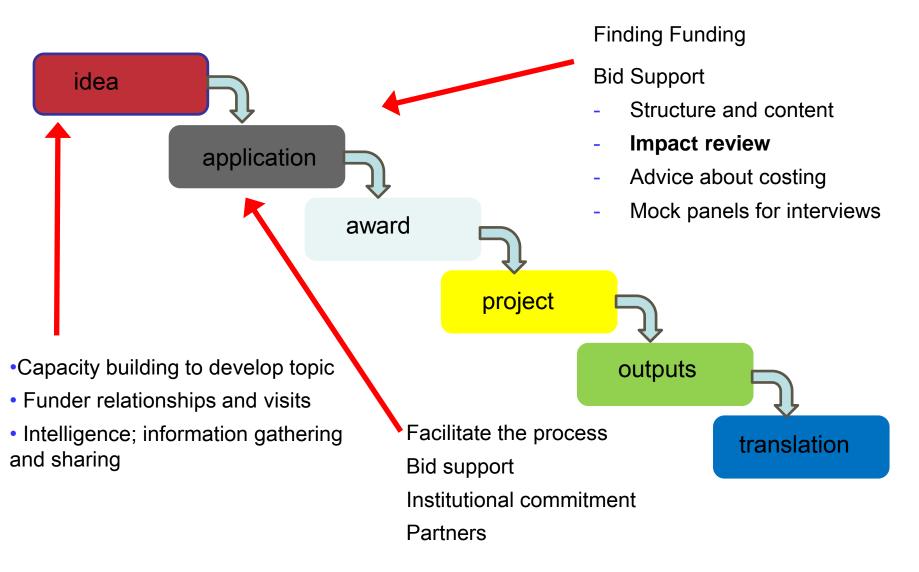
- Audiences include internal academics, businesses, funding agencies, government, local community, potential students
- www.ucl.ac.uk/impact/case-studies search by subject
- www.bristol.ac.uk/research/impact-stories/
- www.ox.ac.uk/research/research-impact/impact-casestudies
- www.gla.ac.uk/research/impact/impactsonsociety/

SUPPORT STRUCTURES

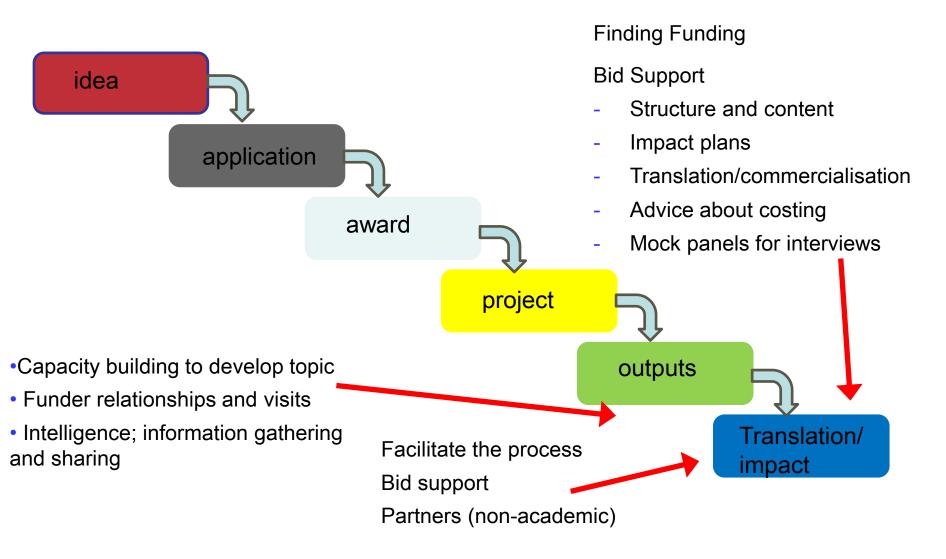
Supporting Roles

- Existing / Conventional Roles in UK Universities
 - Research Development Manager / Administrator
 - Technology Transfer Manager
 - Business Development Manager / Account Manager
 - Knowledge Exchange / Transfer Manager
 - Industry Liaison Manager
 (often based in Faculty/Dept or focused on a Sector)
- New roles emerging since 2014....
 - Impact Officer
 - Combined roles e.g. Research & Impact Development Manager

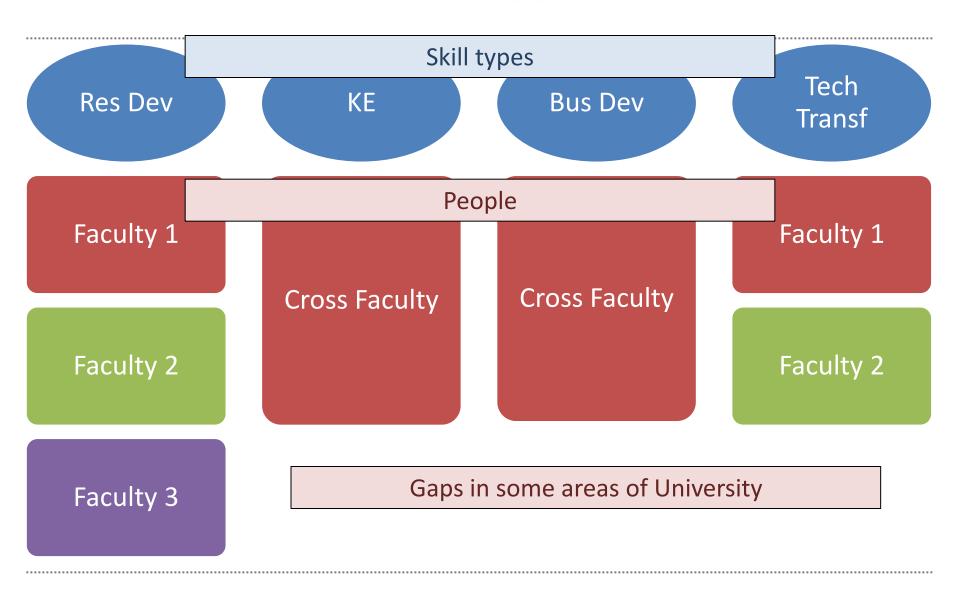
Research Development



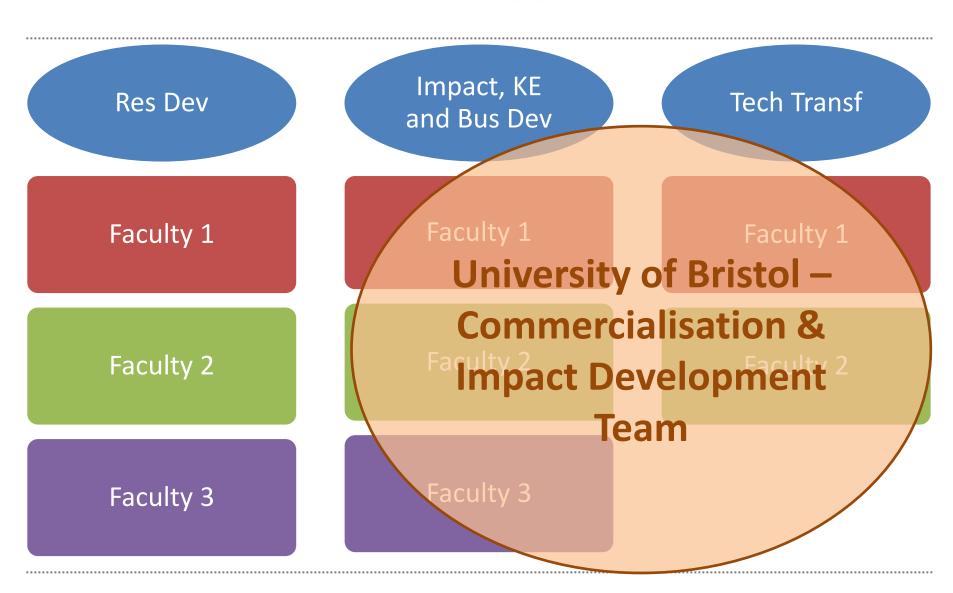
Impact Development



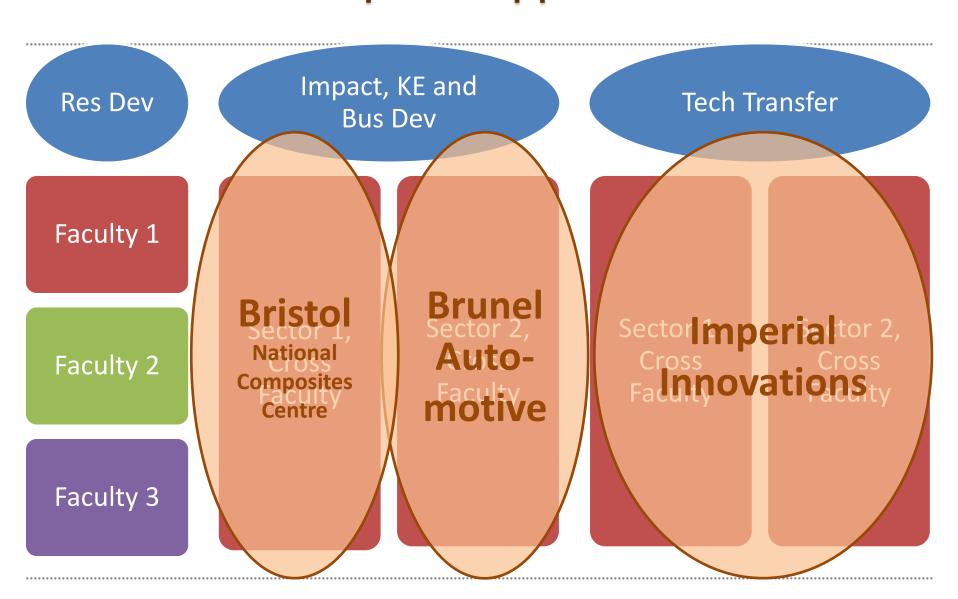
Research and Impact Support Structures



Research and Impact Support Structures



Research and Impact Support Structures



The Engaged University

Providing training on Ensuring engagement is: Developing activities and events that enable Collaborative research Enabling external input Including engagement in dialogue and education into University processes strategies and reviews Supporting researchers to Coordinating conferences, workshops and networks outside Work with a Provide a academia range of supportive partners environment Recognising engagement Disseminating research in appointment, outputs progression and Be reflective promotion criteria and Recruit and about workload models retain staff **Evaluating our** engagement engagement Embed in the Employing engagement student specialists Sharing learning and best experience practice Celebrating and rewarding success Students as agents for Including engagement in knowledge exchange the curriculum

Fostering a culture of volunteering

Insights for impact support

Culture

- Internal groups can generate shared knowledge on impact
- You probably have unmet demand, academic enthusiasm and momentum
- Funding provides a motivation for impact training and sharing good practice
- Create space and time to experiment allow academics & companies to shape their collaborations
- Dovetail with institutional strategies
 - Align funding with Tech Transfer processes and teams
 - University Advisory Boards for impact / industry / sectors
 - Clearly defined points of contact at University or Faculty level
 - Allow different roles to evolve in different disciplines / sectors

Some challenges

- Structural challenges
 - Time commitment can increase hugely while in 'valley of death'
 - · Lead times and delays e.g. researcher recruitment, fast pace of business
- Operational challenges
 - Contracts and IP negotiations short term gain vs impact & collaboration
 - How much effort on project management and next steps?
 - Skills & contacts to engage with public, industry, NGOs, government...
- Cultural challenges
 - Academic time constraints and priorities
 - Widening participation beyond the usual suspects
 - Career progression industry and impact can be good for research
 - A project is not an end in itself achieving impact is a long-term game



Broader Impacts Network Connecting Researchers and Resources in Unique Ways

http://broaderimpacts.missouri.edu/

We are Social!



How Do I...

- Learn about broader impacts
- Create a broader impacts plan
- · Find someone to help me implement my broader impacts plan
- · Evaluate my broader impacts activites

BIN Tweets



@NSF Fellowships! pic.twitter.com/j01gFaCT6H Retweeted by MU Broader Impacts



Tweet to @Mizzou BI





Welcome to the Broader Impacts Network! The MU BIN was established in 2012 as a response to the National Science Foundation's emphasis on the integration of education and outreach into research projects. Our mission is to assist researchers in the development, implementation, and evaluation of high-quality broader impacts activities.

Getting Started

We have created several tools to help you on your journey to broader impacts stardom. Start out "How Do I" box on the left and choose which category best fits your needs:

- Learn about broader impacts
- · Create a broader impacts plan
- · Find someone to help me implement my broader impacts plan
- · Evaluate my broader impacts activities

In addition to helping plan your educational and outreach activities, we also document the breadth of broader impacts activities at MU and can provide letters of support for your promotion and tenure portfolio.

Check out our broader impacts video!



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Strengthening the Professoriate @ ISU

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http://www.spisu.iastate.edu/



Strengthening the Professoriate

Iowa State's Broader Impacts Resource

SP@ISU serves as a single point of contact on campus to gain knowledge in developing quality Broader Impact programs. SP@ISU helps make connections between researchers and resources on campus to develop and implement Broader Impact plans. The target audience is faculty, postdoctoral research associates, and advanced graduate students in science, technology, engineering, and mathematics (STEM).



The goal of SP@ISU is to strengthen the professoriate by enabling professional development in STEM, while promoting and enhancing a diverse community of scholars and learners.

More about SP@ISU

What are Broader Impacts and why are they important?

From the National Science Foundation

The project Summary will contain the following required separate statements: overview of the project, statement on intellectual merit, and statement on broader impacts. Annual and Final Reports must address activities related to the Broader Impacts criterion that are not intrinsic to the research. NSF New Merit Review Criteria: Requirements for Proposals

The Project Description must contain, as a separate section within the narrative, a discussion of the broader impacts of the proposed activities. Broader impacts may be accomplished through the research itself, through the activities that are directly related to specific research projects, or through activities that are supported by, but are complementary to the project. NSF values the advancement of scientific knowledge and activities that contribute to the achievement of societally relevant outcomes:

- Full participation of women, persons with disabilities, and underrepresented minorities inscience, technology, engineering, and mathematics (STEM)
- · Improved STEM education and educator development at any level
- · Increased public scientific literacy and public engagement with science and technology; improved well-being of individuals in society
- · Development of a diverse, globally competitive STEM workforce
- · Increased partnerships between academia, industry, and others

Centers for Science Outreach

- Penn State
 - Center for Science and the Schools
 - http://csats.psu.edu/
- Vanderbilt University
 - Center for Science Outreach
 - http://www.scienceoutreach.org/
- Stanford University
 - Office of Science Outreach
 - http://oso.stanford.edu/
- Northwestern University
 - Science in Society
 - http://scienceinsociety.northwestern.edu/
- Yale University
 - Yale Science Outreach
 - http://onhsa.yale.edu/science-outreach-home



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NABI Tweets



Broader Impacts session at #AAASmtg (3p in LL20C) featured by @NSF w/ @kiniemi and I from @NA4BI

nsf.gov/news/news_summ... Retweeted by N4BI

Expand



Geoff Hunt

Tweet to @NA4BI

Welcome to the National Alliance for Broader Impacts

NABI has its roots in the Broader Impacts Infrastructure Summit of 2013, held at the University of Missouri. BIIS 2013 was the first meeting of the national BI community. It was followed by a second Summit in Arlington, Virginia. A result of those meetings was the formation of an engaged and active community that is ready to create its own national organization.





13 Feb

13 Feb

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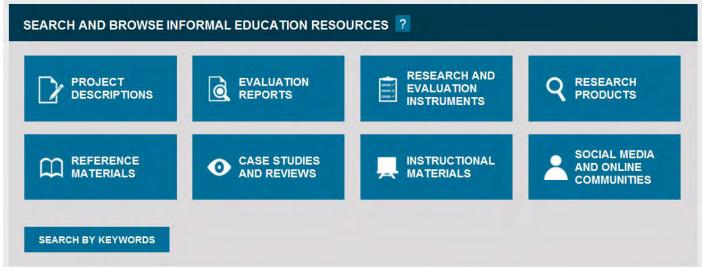
RESEARCH

EVALUATION

PERSPECTIVES

COMMUNITY





OUTREACH FOR SCIENTISTS

PRINCIPAL INVESTIGATOR'S GUIDE TO MANAGING EVALUATION

ISE EVIDENCE WIKI

Ecsite brings together more than 350 organisations committed to inspiring people with science.



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benefits









367 members

236 SCIENCE CENTRES/MUSEUMS,
16 NATURAL HISTORY MUSEUMS, 3 AQUARIUMS/ZOOS,
35 PRIVATE COMPANIES, AND 77 OTHER ORGANISATIONS

members section

NEWS 13 March 2015

March e-news out >

Jobs, opportunity to get involved in a Horizon2020 project on nanotechnology, good reads, calls for papers... and fictional space pictures made of milk, cinnamon and cat hair. Read it here.



COSEE BI Wizard Home My Plans About this Site Updates Help

Ocean Scientist Broader Impact Wizard

Brought to you by COSEE Networked Ocean World



COSEE NOW created the **Broader Impact Wizard** to help you develop a broader impact statement that will satisfy NSF Criterion II and fulfill your interest in communicating your science. The quick and easy five-step process will produce an outline of important points to include in your BI statement and will help frame discussions with your BI partners.

For more information about the wizard and an introduction to constructing effective broader impact projects, please view the video.



This site was developed with the support of the National Science Foundation under Grant No. OCE-0730719. Any compressed in this material are those of the authors and do not necessarily reflect the views of the National Science



Economic and Social Research Council Shaping Society

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Guidance for large initiatives

Peer review

You are here: > Home > Funding and guidance > Impact toolkit

Impact toolkit

Our Impact Toolkit gives you everything you need to achieve the maximum impact for your work. The toolkit includes information on developing an impact strategy, promoting knowledge exchange, public engagement and communicating effectively with your key stakeholders.

The ESRC expects that the researchers it funds will have considered the potential scientific, societal and economic impact of their research.

Related links

Impact case studies

Share this page











Impact - what, how and why?



To find out more about impact, including how to make an impact with your research and what the benefits are, follow the links below:

- What is impact?
- ▶ Why make an impact?
- ▶ What the ESRC expects



A step-by-step guide to maximising impact.

- How to maximise impact
- Developing a strategy

Maximising impact

The tools for impact



Tools and tips to help you maximise impact.

Impact tools

Resources



Maximise your impact through promoting knowledge exchange and public engagement.

- ▶ Knowledge exchange
- Public engagement

Contacts and help



Useful websites and publications to help you maximise impact.

- Impact resources
- ESRC Pathways to Impact for Je-S applications

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Google™ Custom Search

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You are here: Home / Impact / Knowledge Exchange Guidelines

KNOWLEDGE EXCHANGE GUIDELINES



The LWEC Knowledge Exchange (KE) Guidelines have been developed to aid the KE process across all activities endorsed by the LWEC Partnership. A version suitable for printing can be downloaded as a pdf below. What follows is an online version of the guidelines which we are hoping to develop as a dynamic resource bank with plenty of shared experience through case studies and interviews with KE practitioners.

You will find the same top level guidance in the printed version but the online version allows you to choose links to material which can help you with specific parts of your KE strategy.

The guidelines are not prescriptive. Their aim is to inform and inspire with a resource bank of ideas, tips and suggestions on how KE can be most effective.

Effective KE is crucial to the success of the Living With Environmental Change (LWEC) Partnership, which aims to "ensure that decision-makers in government, business and society have the foresight, knowledge and tools needed to mitigate, adapt to and benefit from climate change."

By establishing a two-way flow of knowledge between researchers and potential users of their research, and ensuring a clear, mutual understanding of needs and priorities, LWEC initiatives will have a more meaningful impact on decisions, actions and behaviours in the years ahead.

Although these Guidelines are primarily aimed at people taking decisions at a programme level, it is hoped that they will provide useful ideas and principles for anyone involved in KE and complement guidance available from other sources, such as Research Councils UK (see attachment below).

The Guidelines are divided into the following eight components, each of which represents a key stage in a successful KE process.

Attachment	Size
Guidance available from the Research Councils and their funded programmes.pdf	46.45 KB

KE GUIDELINES

- 1. Target
- 2. Design
- · 3. Engage
- · 4. Facilitate
- · 5. Share
- · 6. Impact
- 7. Sustain
- · 8. Evaluate





The NCCPE seeks to support a culture change in universities. Our vision is of a higher education sector making a vital, strategic and valued contribution to 21st-century society through its public engagement activity.



We need to talk about *******: Public engagement for "taboo"



UK Knowledge Mobilisation Forum 2015



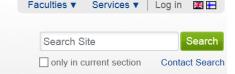
Job: Public Engagement and Training Officer in Biomedical Sciences,

TRAINING AND SUPPORTING RESEARCHERS





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Research and Innovation Services

ALUMNUS



Research and Innovation Services Training sessions Training materials Financer events Impact clinic Time: Upon reservation, suggest a time suitable for you Place: Agora, room AgC 513.1 How to make an effective funding proposal? In the Impact clinics you can refine your research idea. Funding organisations, especially EU and Tekes, require a clear description and plan for the use of research results, as well as a clear description of results and impacts in the project proposal. At the clinics, you will get support from your peers, tools for writing the project proposal and sparring from the funding and innovation advisors. To receive preparation funding from the Science Council for EU/H2020 projects, participation is obligatory. For more information, see the Science Council's preparation funding. Welcome to the impact clinics! For more information, contact Funding Advisor Lasse Löytty, ture @jyu.fi, tel. +358 40 805 4987 (internal tel. 4533) To get the most benefit from the clinics, you are asked to prepare a pre-assignment for the clinics. For the first clinic, we wish you to prepare a One Page Proposal in which you describe your project idea and its results according to the funding instrument's requirements. Prepare to give a five-minute speech about your project idea. For the second clinic we wish you to prepare a Who took my money assignment and model the Big Picture of your research project: How the results of your research project are used in practice in short and long-term periods. In order to get better feedback, please send your pre-assignments before your clinic to ture@jyu.fi. Please remember that it is beneficial to participate at least in two clinics, so please reserve time for them in your calendar.

WORK WITH US

FACULTIES AND UNITS

Communication





WORKSHOPS

COMPASS brings together scientists, policy-makers, non-governmental organizations (NGOs), and other stakeholders to facilitate dialog on policy-relevant science issues.

Our workshops and working groups range from small gatherings to large, long-term efforts.

Learn more about workshops and meetings that we have led or helped develop.

TRAININGS

COMPASS helps scientists communicate their work in a concise, lively manner that will get the attention of non-scientists including journalists and policymakers.

Our trainings are customizable, highly interactive, and range from one-on-one tutorials to multi-day workshops for large conferences. Learn more about our trainings.

BRIEFINGS

COMPASS connects science to policymakers and resource managers by organizing meetings and briefings for state and federal agencies and legislators.

Our briefings help inform decision makers about the latest scientific research and accelerate the pace of solving important conservation problems. Learn more about these briefings.

Recognition for Research Impact

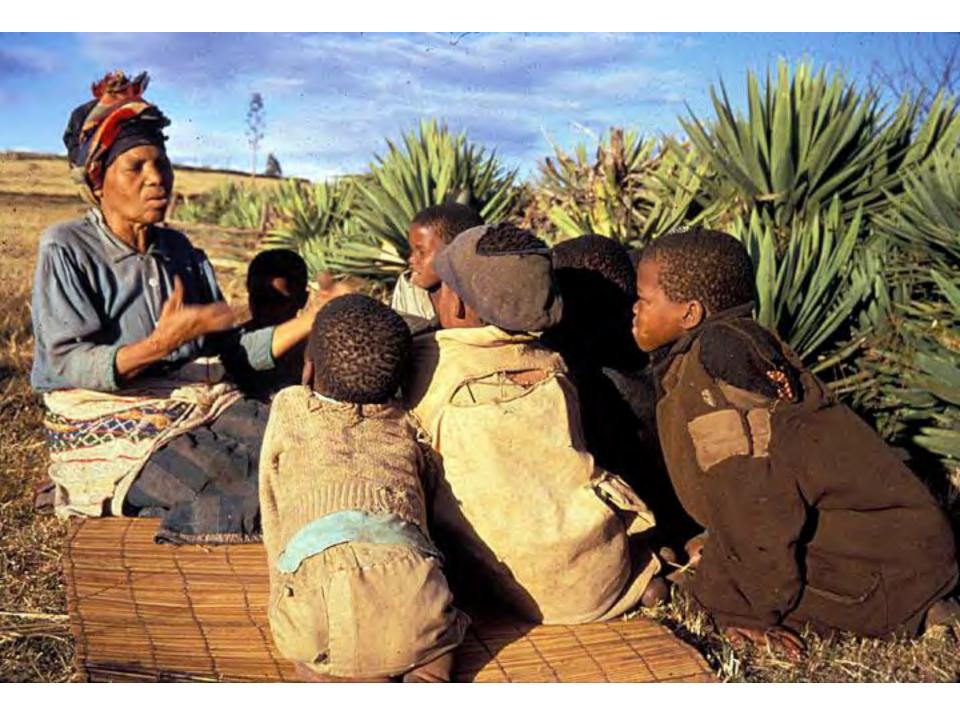
- Institutional
 - Monash University (Australia)
 - Swansea University (Wales)
- National organizations
 - APLU Community Engagement Scholarship
 - AAAS Public Engagement with Science
- Federal
 - NSB Public Service
 - Queen's Anniversary Prizes

• CONCLUSIONS















Contact Information





Email:

Dianne.Nagy@sdstate.edu

Skype: dianne.nagy

Phone: 605-688-505 I

Email:

Andrew.Wray@bristol.ac.uk

Skype: amwray68

Phone: +44(0)117 95 46968