



National Organization of Research Development Professionals

Research Impact: From Individuals to Inter- Institutional Networks

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2. What are we talking about?
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What Are We Talking About?

Broader Impacts (USA)

Knowledge Translation, Knowledge Mobilization
(Canada)

K* : Knowledge Transfer, Knowledge Uptake,
Knowledge Management, Knowledge exchange,
Knowledge Brokering, etc...

« How do we make the best of what we know
ready to other people to use so that we can
create new value? » Peter Lévesque

New Reality: Requirements of Funding Agencies – USA

CONGRESS requires all NSF proposals to be reviewed on two criteria:

1. Intellectual Merit
2. Broader Impacts

Broader Impacts = Societal Benefits of Research



Broader Impacts: Suggested Areas

- Full participation of women, persons with disabilities, and underrepresented minorities in 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
- Improved national security
- Increased economic competitiveness of the United States
- Enhanced infrastructure for research and education

Broader Impacts: Not Just NSF

NIH-R25; R41/R42

USDA—AFRI: Integrated Research, Education, and/or Extension

USAID—Focused on outreach & education

Foundations: Support your outreach & education with foundation funding. Examples:

- Gelfand Family Charitable Trust
- Weinberg Foundation, Inc
- Kauffman Foundation→KC STEM Alliance



New Reality: Requirements of Funding Agencies – Canada

Canadian Institutes for Health Research (CIHR)

- 1 criterion out of 5: Impact of the research
- two broad approaches : end of grant-KT and integrated KT

Social Sciences and Humanities Research Council

- KM embedded in the 3 evaluation criteria: Challenge, Feasibility, Capability

Canadian Foundation for Innovation

- Investment in state-of-the-art facilities and equipments
- Benefits to Canadian

Requirements of Agencies: the Consequences

- New expertise required from academics
 - 😊
 - ☹️
 - ????
- Pressure on the academics
 - Case study of UK and Australia
- Development of non-academic expertise in University

University Role in Context

BI embedded in Strategic Research Plan

- Institutional priority
- Regular positions for BI brokers and managers
- Institutional recognition
 - Promotion
 - Curriculum

University as drivers of change

Development of BI units

Models in Canada

Fully integrated research services

- Report to the VP research
- May be an Unit per se or embedded in the Office of research/Partnerships
- Work close to the grants facilitators and tech transfer officers

Community Based Research

- Community situated
- Collaborative
- Action-oriented

Models in Canada

Living Lab

- Innovation platform
- Engaging end-user by bringing multi stakeholders together
- Experiment theory
- Explore breakthrough solutions
- Co-create know knowledge
- Design thinking approach

Models in Canada

Research Shops

- Formalized process for collaborating with community
- Being more responsive to the research needs of the community
- Embedded in student training

Public engagement and Economic Development

- Economic Development and regional policy
- Engaging students with community partners in research and learning settings in the community

Inter-Institutional Networks: What Do They Bring?

Support capacity building in all members of potential and emerging collaborations

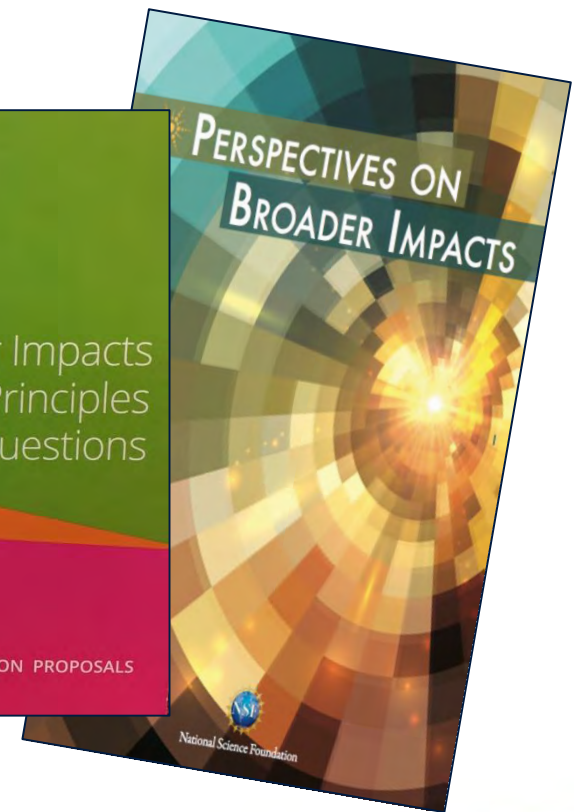
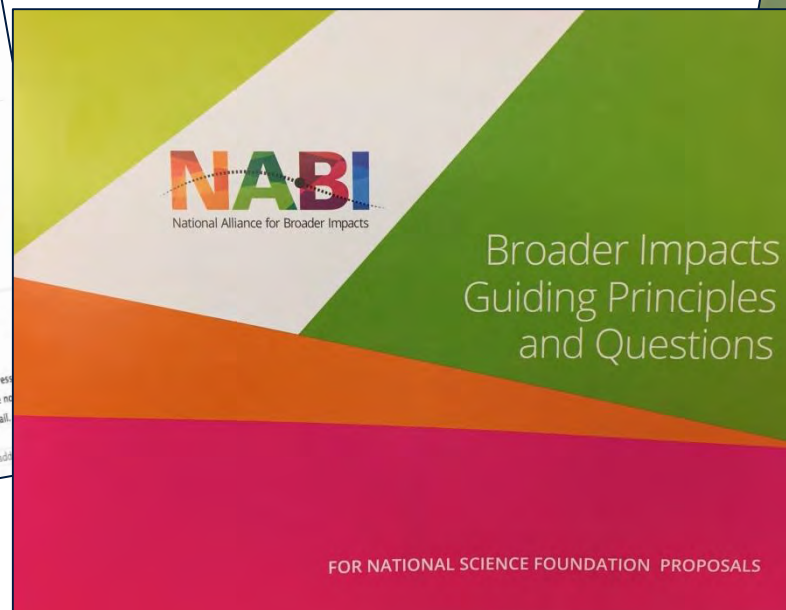
Enhance access to research evidence

Enhance collaborations among institutions

Enhance expertise sharing (toolbox, job description, etc.)

United voice for advocacy

National Alliance for Broader Impacts (NABI) - US



NABI Mission

A nationwide network of individuals and organizations working together to build institutional capacity, advance BI, and demonstrate the societal benefits of research

Objectives:

- Promote cross-institutional collaborations and identify and share promising practices with the BI community
- Grow and diversify the BI community
- Educate researchers on effective BI practices
- Support the development of high-quality BI activities
- Inform the national discussion on BI

research impact

turning research into action

UQÀM



Carleton
UNIVERSITY

McMaster
University



WILFRID LAURIER UNIVERSITY

LAURIER 
Inspiring Lives.



KWANTLEN
POLYTECHNIC
UNIVERSITY



University
of Victoria



UNIVERSITY OF
SASKATCHEWAN



Université
de Montréal 

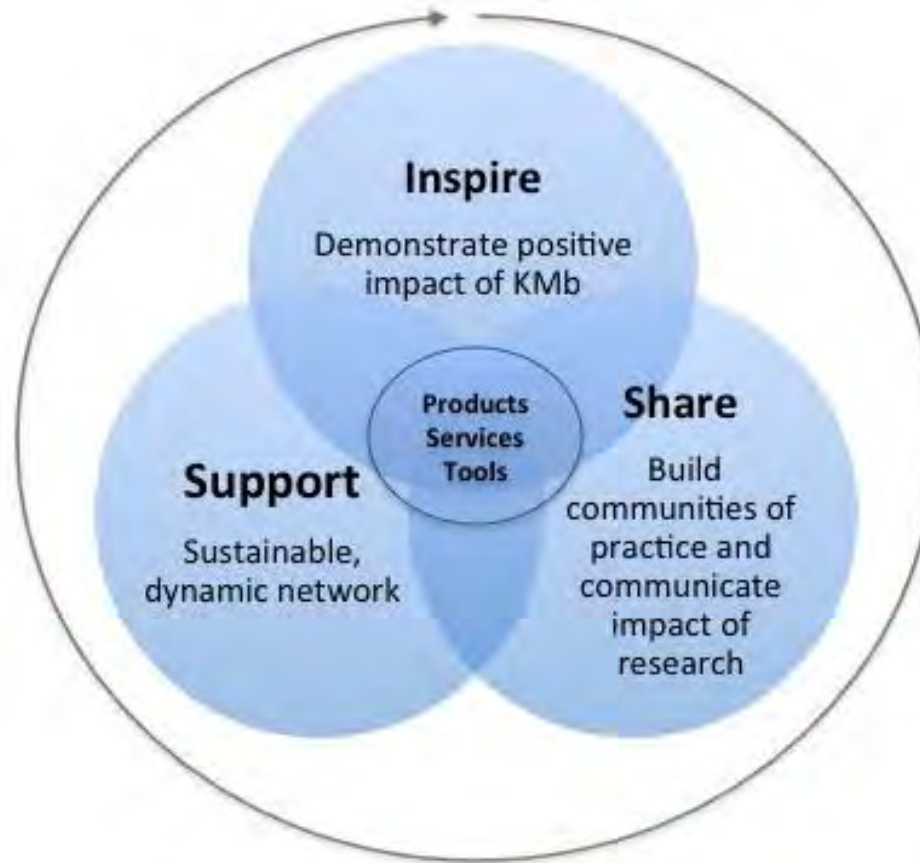
YORK
UNIVERSITÉ
UNIVERSITY 

Research Impact - Canada

Mission

We build Canada's capacity to be a leader in knowledge mobilization by developing and sharing best practices, services and tools, and by demonstrating to relevant stakeholders and the public the positive impacts of mobilizing knowledge.

Research Impact - Canada



International Examples

International scan

- 20 networks found

Réseau LIEU (Belgium)

- Network of 6 universities in Belgium
- 6 knowledge transfer working groups: one dedicated to social science and humanities
- Public funding

Development Research Uptake for Sub Saharan Africa (DRUSSA)

- 22 African Universities



Duke University

Top-10 research university

Federal funding: \$585 million

NSF Funding, 2015: \$50 million (155 awards)

3,400 faculty

900 “NSF faculty”



Intellectual
Merit



Budget

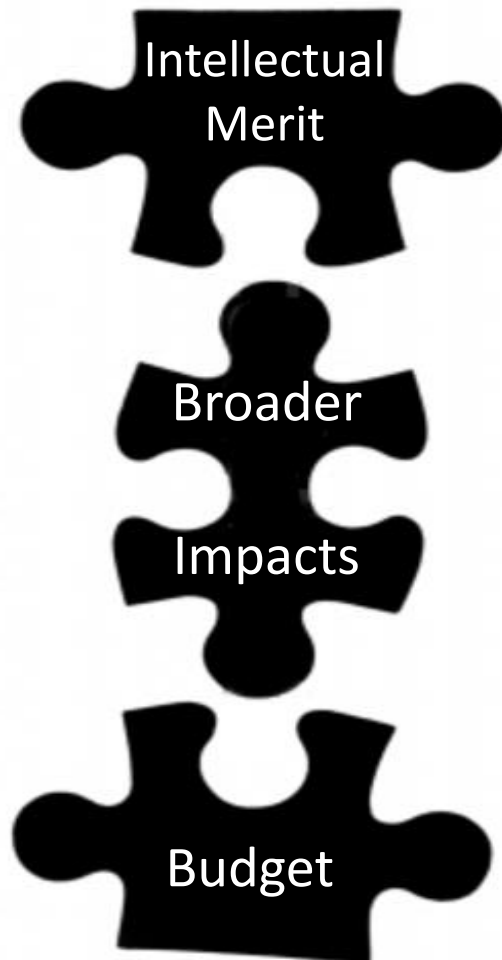


Intellectual
Merit

Broader

Impacts

Budget



Duke Broader Impacts Resource Center

BI Education and PD (30%)

BI Consulting (50%)

Facilitation of BI collaboration
(20%)

Challenges...



Challenges...



Challenges...



Solution...



Challenges...





Administration buy-in



Network established



BI course on the books



Workshops, consulting



Website built



Awareness campaign





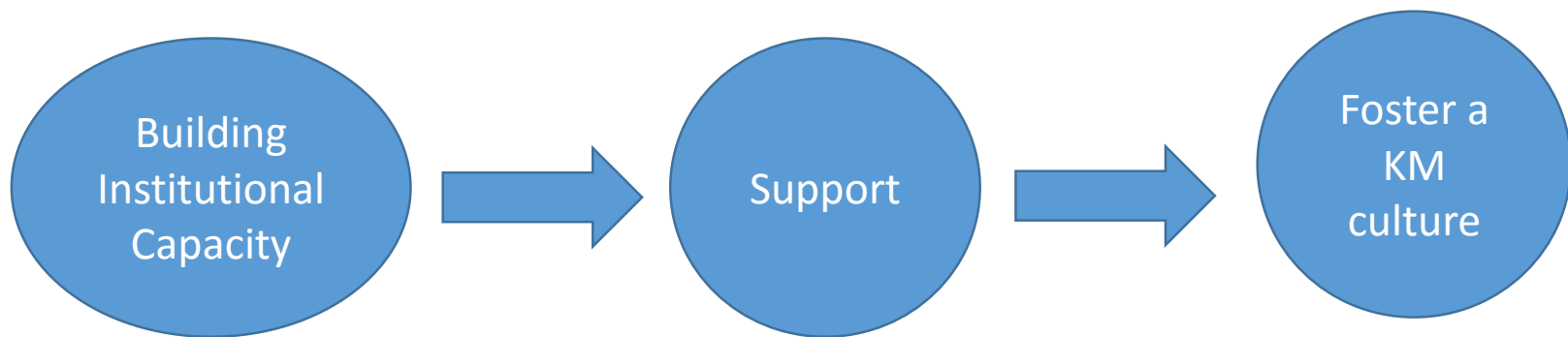
Case Study: UdeM



Top 5 in Canada
1500 Faculty members
45 000 students
9 affiliated research
hospitals
\$350 million Research
revenues

Case Study: UdeM

Our goals...



Case Study: UdeM

Our services

- Identify funding opportunities for KM
- Individual support
- Development of Mobilization plan
- Training
- Internal competition
- Support KM initiatives
- Communication strategy
- Networking

Challenges...



Solutions...

Identify champions of KM

Networking

Advocate

Communicate

Use institutional tools (ie. Communication, internal fundings)

Demonstrate the added-value of KM initiatives



Administration support



Network established



Internal Funding



Workshops, consulting,
tools



Evaluation metrics



Website built



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