

Concepts, Practices, and International Collaborations

November 17, 2022

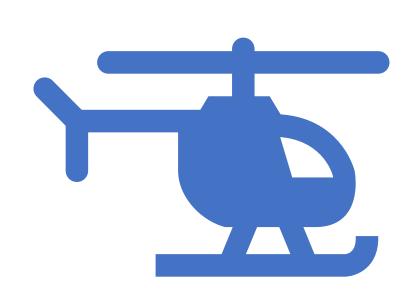




Helicopter science:

Some definitions

Dr. Sandra Russo



Helicopter science – when researchers from higher income or more privileged settings carry out research in resource-poor settings with limited to no involvement of local communities or researchers

https://doi.org/10.1038/s41561-022-01010-4

Parachute science — when researchers drop down from a Western or ivory tower into a foreign community for field work, gather data, and zip off home without acknowledging or engaging the contributions of local researchers in that community

https://www.sciencefriday.com/segments/parachu te-science-problem/



Decolonizing science

- Decolonization is a movement to eliminate, or at least, mitigate, the disproportionate legacy of white European thought and culture in education.
- https://doi.org/10.1038/d41586-018-01696-w
- In academia, it means to confront and challenge the colonizing practices that have influence education in the past and are still present today.
- https://www.uvic.ca/research/centres/you thsociety/assets/docs/briefs/decolonizingeducation-research-brief.pdf

Decolonization is a PROCESS!

Knowledge co-creation







COLLABORATIVE

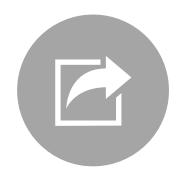
KNOWLEDGE SHARING

KNOWLEDGE CREATION

The process we want







SHARE



RECOGNIZE



CO-CREATION OF KNOWLEDGE

Helicopter Science:

The Role of Culture in International Collaboration

"Well yes, but actually no"

What does culture have to do with collaboration?

Hofstede's Cultural Dimensions Theory

- Power Distance Index
- Individualism vs Collectivism
- Masculinity vs Femininity
- Uncertainty Avoidance Index
- Long Term vs Short Term Orientation
- Indulgence vs Restraint

Grounding helicopters in grad school?

Dr. Karen Kainer

Duchelle, Biedenweg, K., Lucas, C., Virapongse, A., Radachowsky, J., Wojcik, D. J., Londres, M., Bartels, W.-L., Alvira, D., & Kainer, K. A. (2009). Graduate Students and Knowledge Exchange with Local Stakeholders: Possibilities and Preparation: Graduate Students and Knowledge Exchange. *Biotropica*, *41*(5), 578–585.

https://doi.org/10.1111/j.1744-7429.2009.00563.x

Grounding helicopters in graduate school?

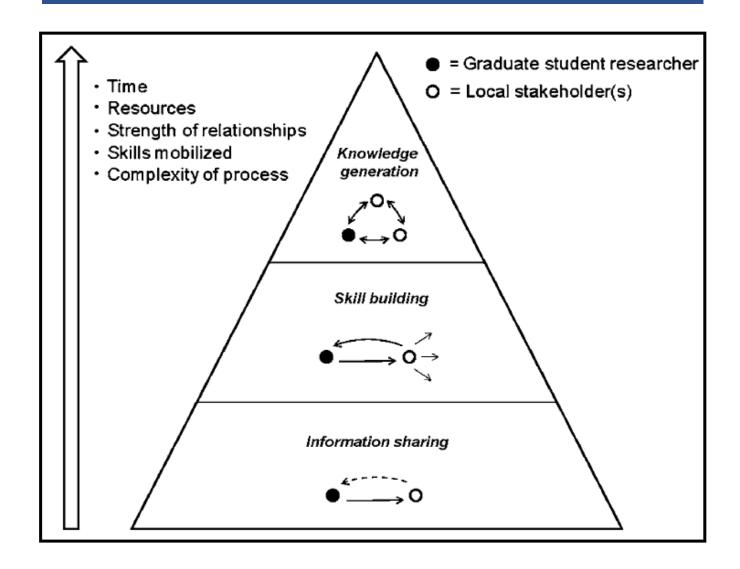
Knowledge exchange – sharing, use, and generation of information through methods appropriate to the context, audience, and overall objectives

Duchelle, Biedenweg, K., Lucas, C., Virapongse, A., Radachowsky, J., Wojcik, D. J., Londres, M., Bartels, W.-L., Alvira, D., & Kainer, K. A. (2009). Graduate Students and Knowledge Exchange with Local Stakeholders: Possibilities and Preparation: Graduate Students and Knowledge Exchange. *Biotropica*, *41*(5), 578–585.

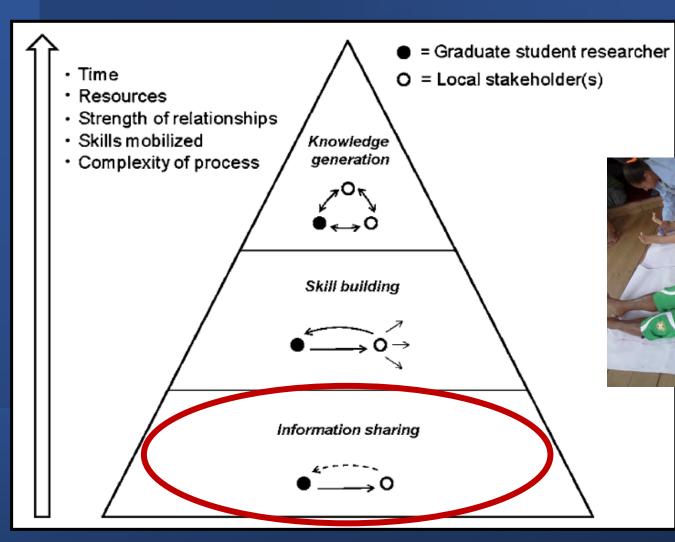
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Grounding helicopters in grad school?

Knowledge exchange conceptual framework

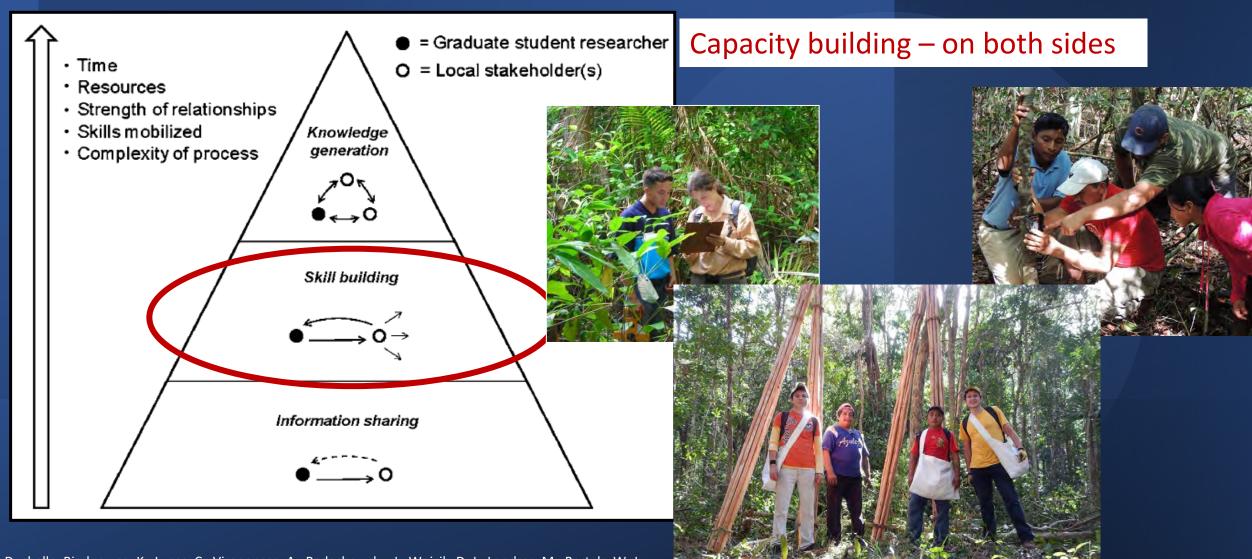


Primarily one-way transmission of ideas

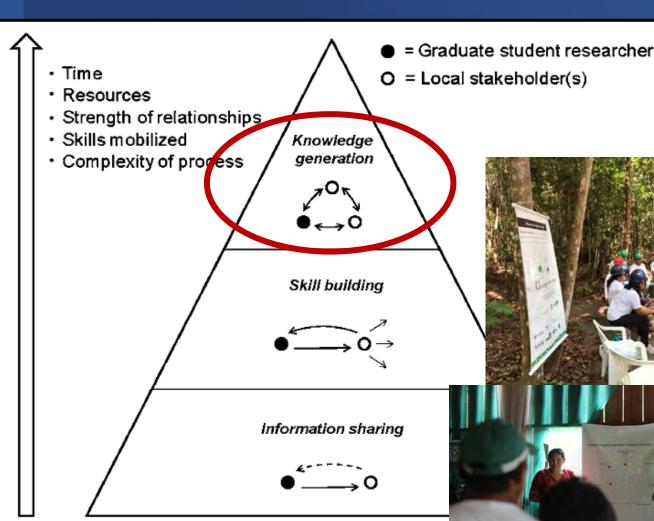




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Partners in knowledge creation

• Defining & refining research questions

• Relevance to local realities

• Trust in research process

Learning applications

Research rigor

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Institutional
Challenges to
Achieving
Effective Global
Collaborations
and Equitable
Partnerships

Differences in responsibilities and time available for conducting research

Ability of institutions to manage, administrate and distribute funds

Tension between "collaboration and control"

Limitations imposed by funding sources

Fiscal and legal risks



Thank You!