

Additional File 3: Data extraction form

This form will be used for data extraction associated with the systematic map protocol: Westwood et al. How is forest science exchanged between knowledge producers and knowledge users, and what is known about effective knowledge exchange related to forests? A systematic map protocol. The template was constructed using Covidence (www.covidence.org) and presented here as it will be viewed by data extractors. Multiple choice selections permit only a single response. Numbers in top left indicate the order in which the panels of questions will be viewed by extractors.

Instructions to extractors

This form is used to extract metadata as part of a systematic map of literature entitled: "How is forest science exchanged between knowledge producers and knowledge users, and what is known about effective knowledge exchange related to forests?"

If you have any questions, please contact Alana Westwood a.westwood@dal.ca

You have received training prior to engaging in data extraction. To confirm you have read these instructions and completed the training, type 'I confirm'.

Bibliographic information

Please write the short citation of this item (e.g. Khan et al. 2019).

If no date, write 'n.d.'

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Please write a full citation of the item in the following style: **Author lastname, author lastname. Year. Title. Publication/institution. Volume, page numbers.**

e.g.:

Joseph, H., Chan, T. 2011. How to exchange knowledge about forests. Environmental Evidence. 12, 12-24.

Fahim, J. 2009. Forest knowledge is getting exchanged. Proceedings of the 4th Conference on Forest Knowledge, Vienna. 1117-1184.

Item type

- Peer-reviewed article
- Report (e.g. NGO, government, consultant)
- Thesis (Undergraduate, Master's, or PhD)
- Conference proceedings or workshop summary
- Presentation
- Other

Item keywords (separate each using a semicolon).

If no keywords are available, write 'NA'

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Item keywords (separate each using a semicolon).

If no keywords are available, write 'NA'

List all countries the study or report focuses on, separate each by a semicolon.

If no specific country is indicated, write 'NA'.

List all funders of this work, separate using a semicolon.

If no funders are indicated, write 'NA'

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Knowledge exchange framework or case

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Which of the following best describes this item?

- Case study presenting an example of knowledge exchange between or within institutions
- Theoretical framework for how knowledge exchange does or might operate
- Presents recommendations for, or evaluation of, knowledge exchange based on original findings (collected data)
- Other

Does this item evaluate the effectiveness of any knowledge exchange technique(s) presented here in by empirically testing them?

- Yes
- No

List the main terms used in the item to describe knowledge exchange (separate using semicolons)

Example terms might be: 'knowledge exchange', 'extension', 'knowledge transfer', 'tech transfer', 'transfert de connaissances', 'échange de savoirs'

Would the approach to knowledge exchange in this item be best described as:

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- Coproduction: Knowledge producers and users were jointly involved in the design and execution of a project
- Loading dock: Knowledge producers initiated a project, generated knowledge, and then delivered it to potential knowledge users
- Solicited: Knowledge users requested and/or funded specific knowledge, which knowledge producers were contracted to generate
- Network: The formal or informal convening of knowledge producers and knowledge users for the explicit purpose of knowledge exchange
- Not applicable
- Other

Describe the main objective of the item.

Where possible, copy and paste original text from the document but ensure it is surrounded by quotation marks ("")

What were the main findings or recommendations of the item? (separate main findings using a semicolon ';') If there are no findings, write 'NA'

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These may or may not be related to knowledge exchange. Where possible, copy and paste original text from the document but ensure it is surrounded by quotation marks ("")

Does this item include information related to Indigenous knowledge, traditional knowledge, or non-Eurocentric science ways of knowing?

- Yes
- No

Knowledge exchange between and within institutions

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Does this item describe knowledge exchange **BETWEEN** a knowledge-producing and knowledge-using institution or individuals?

- Yes
- No
- Other

Does this item describe knowledge exchange **WITHIN** an institution?

A network, consortium, or group whose purpose is to exchange knowledge between members counts as 'yes'

- Yes
- No
- Other

(if applicable) List all institutions you would describe as knowledge producers (generating scientific information), their sector, and the % of named coauthors associated with this institution. Separate institutions with semicolons

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Write NA if the institutions is not a named coauthor.

Potential sectors include government; Indigenous group; NGO; industry; consortium; academia; other

Example answer:

Natural Resources Institute, government, 50%; University of Gondor, academia, 50%; Saving The Trees Society, NGO, NA

(if applicable) List all institutions you would describe as knowledge users (applying scientific information to policy or practice), their sector, and the % of named coauthors associated with this institution (or 'NA' if authors are not associated with this institution). Separate institutions with semicolons

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Write NA if the institutions is not a named coauthor.

Potential sectors include government; Indigenous group; NGO; industry; consortium; academia; other

Example answer: Ministry of Silly Walks, government, NA; Basilisk Renewable Resources Board, Indigenous group, 25%; Chainsaws and Fellerbunchers Ltd., industry, NA

Is there anything else you would like to add about this item not captured by previous questions?