

IDC BROWN BAG PRESENTATION
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DEVELOPING A NORTHERN BC KNOWLEDGE SYNTHESIS CENTRE



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DISCLOSURES

No affiliations with commercial organizations (financial or otherwise) to disclose.

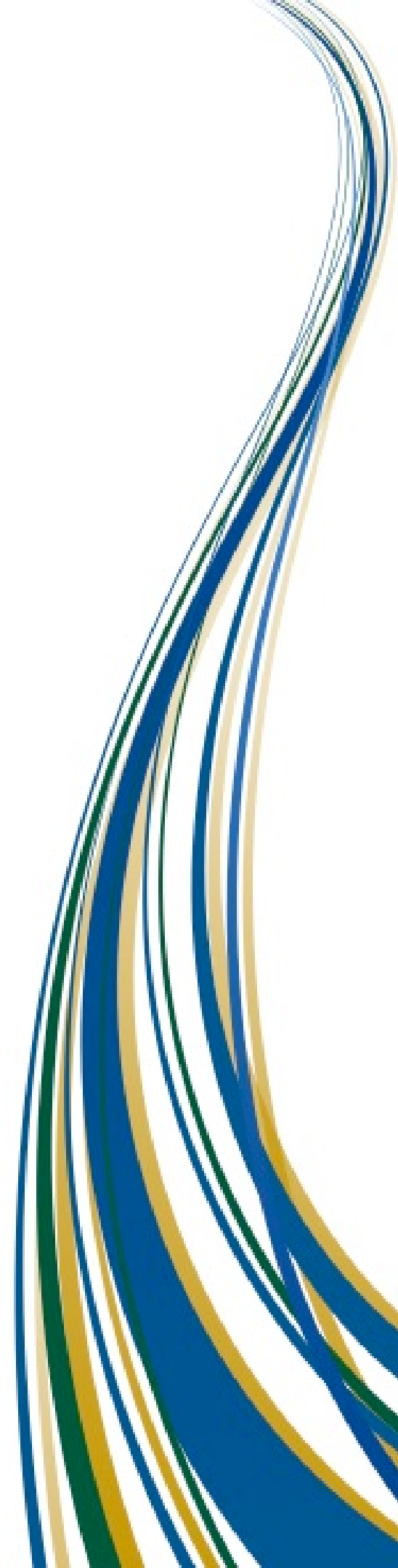
TODAY'S PRESENTATION

1. Why a KS Centre? – Background & Vision
2. Development Process
3. Our Goals & Principles
4. Core Functions
5. Working Model
6. Current Projects

KNOWLEDGE SYNTHESIS

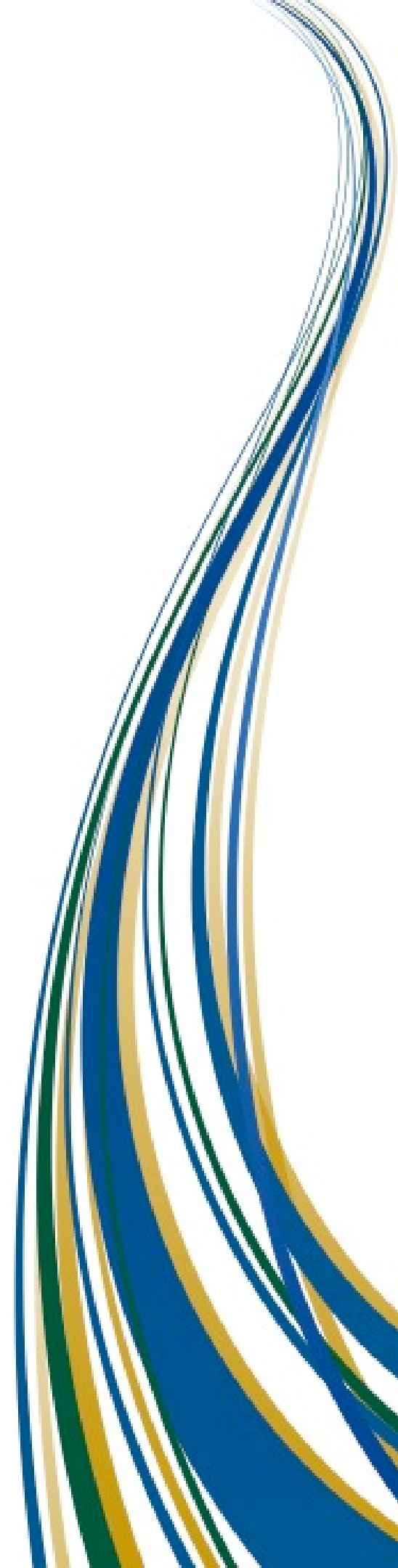
“The contextualization and integration of research findings of individual research studies within the larger body of knowledge on the topic. A synthesis must be reproducible and transparent in its methods, using quantitative and/or qualitative methods.

- Canadian Institute of Health Research



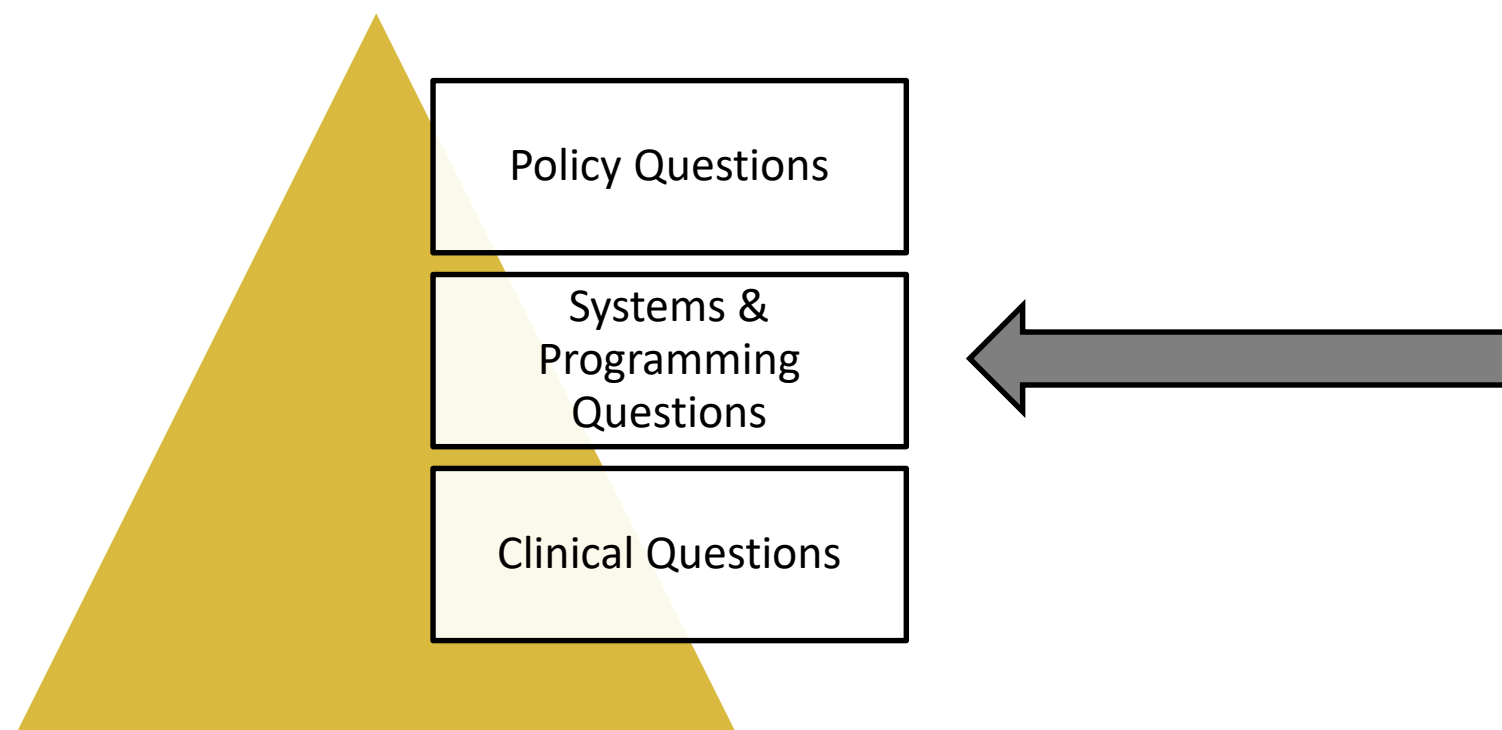
WHY IS KNOWLEDGE SYNTHESIS IMPORTANT?

- Summarizes evidence to make sense of results from many different studies on a specific question
- Improves understanding of conflicting or inconsistent results
- Statistically combines the results of multiple studies (systematic reviews & meta-analyses)
- Contextualizes evidence
- Develops context relevant recommendations
- Provides best evidence for clinical practice and program decisions
- Justifies need for new studies



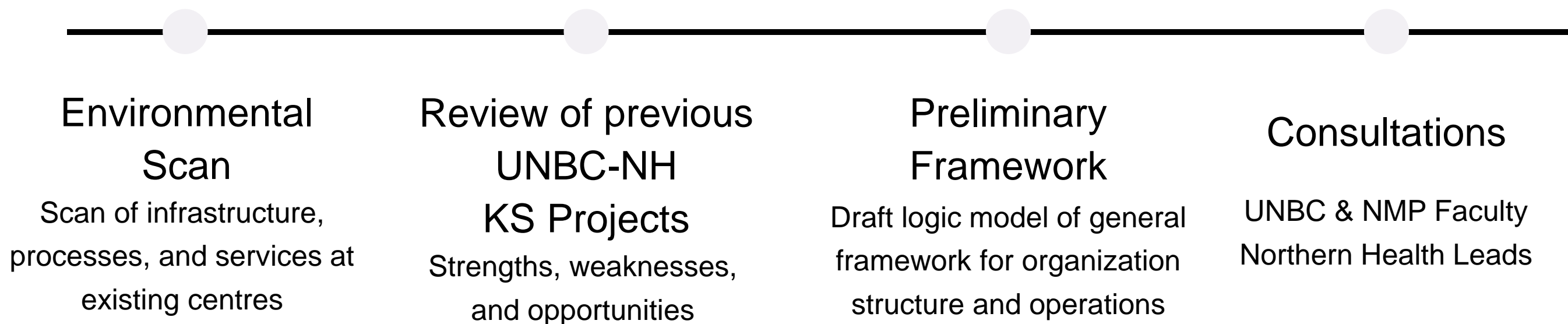
WHY A KNOWLEDGE SYNTHESIS CENTRE IN NORTHERN BC?

- Capacity building
- Rural and northern applicability
- Visible and explicit structure and processes to assist decision makers and researchers





Development Process



VISION

Evidence-based research syntheses contextualized for rural, remote, and northern health issues, services and programs.

DESIGN WITH USERS IN MIND

Expanding the capacity of both NH and UNBC to ask and answer questions using synthesis methods, enhance rural and northern applicability of the evidence, and set up knowledge to be translated into action in policy and practice.

GOALS OF NORTHERN KNOWLEDGE SYNTHESIS CENTRE

- 1 Provide timely, contextualized, evidence-based syntheses to inform the optimal management of patient care, resources, services, and development of policy and programs
- 2 Support researchers in conducting high quality, rigorous, health related knowledge syntheses with rural and northern applicability
- 3 Involve patients, partners and decision makers in meaningful ways in the synthesis and contextualization process
- 4 Offer training and mentorship opportunities to students, researchers, and partners
- 5 Make syntheses more visible and obtainable
- 6 Inform the design and conduct of new health research attentive to the needs and realities of northern British Columbians

9

PRINCIPLES OF NORTHERN KNOWLEDGE SYNTHESIS CENTRE

- **COLLABORATION**
- **CAPACITY BUILDING**
- **CONTEXTUALIZATION**
- **ACTIONABLE EVIDENCE**
- **RESEARCH DEVELOPMENT**

STRUCTURE

- Situated as an initiative within the UNBC Health Research Institute
- Guided by the NH-UNBC Memorandum of Understanding
- NH-UNBC Knowledge Mobilization Chair to serve as the inaugural Academic Director of the Centre
- Day to day governance, financial oversight and management of the KSC provided by the Academic Director with the support of the Health Research Initiatives Manager

CORE FUNCTIONS

COLLABORATIVE KNOWLEDGE SYNTHESIS PROJECTS

Respond to knowledge user needs for synthesis contextualized for rural, remote, and northern health issues, services and programs

METHODOLOGICAL SERVICES & SUPPORT

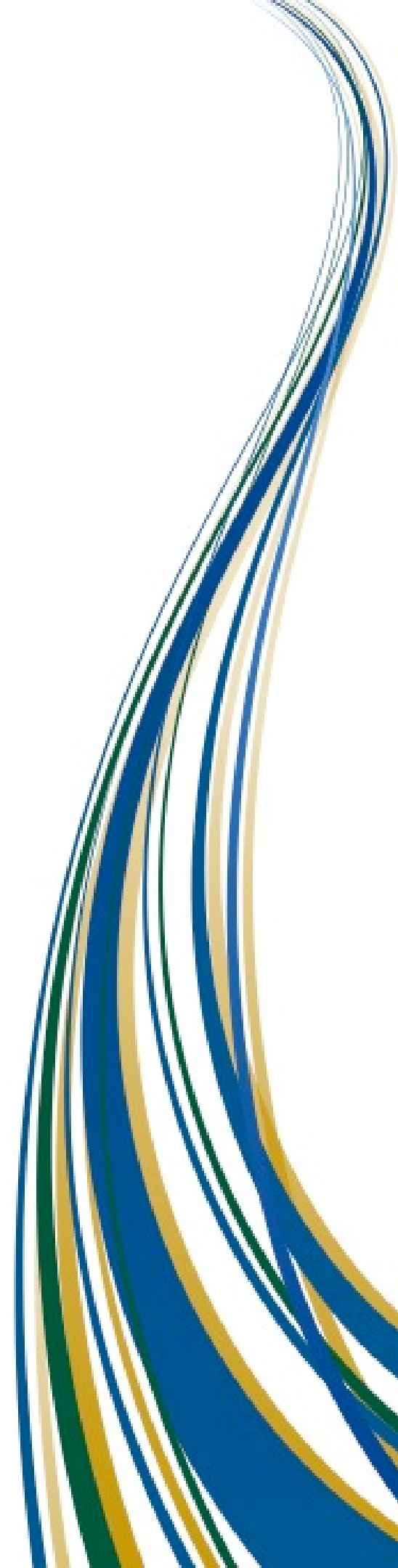
Support health researchers conducting knowledge synthesis projects

TRAINING AND CAPACITY BUILDING

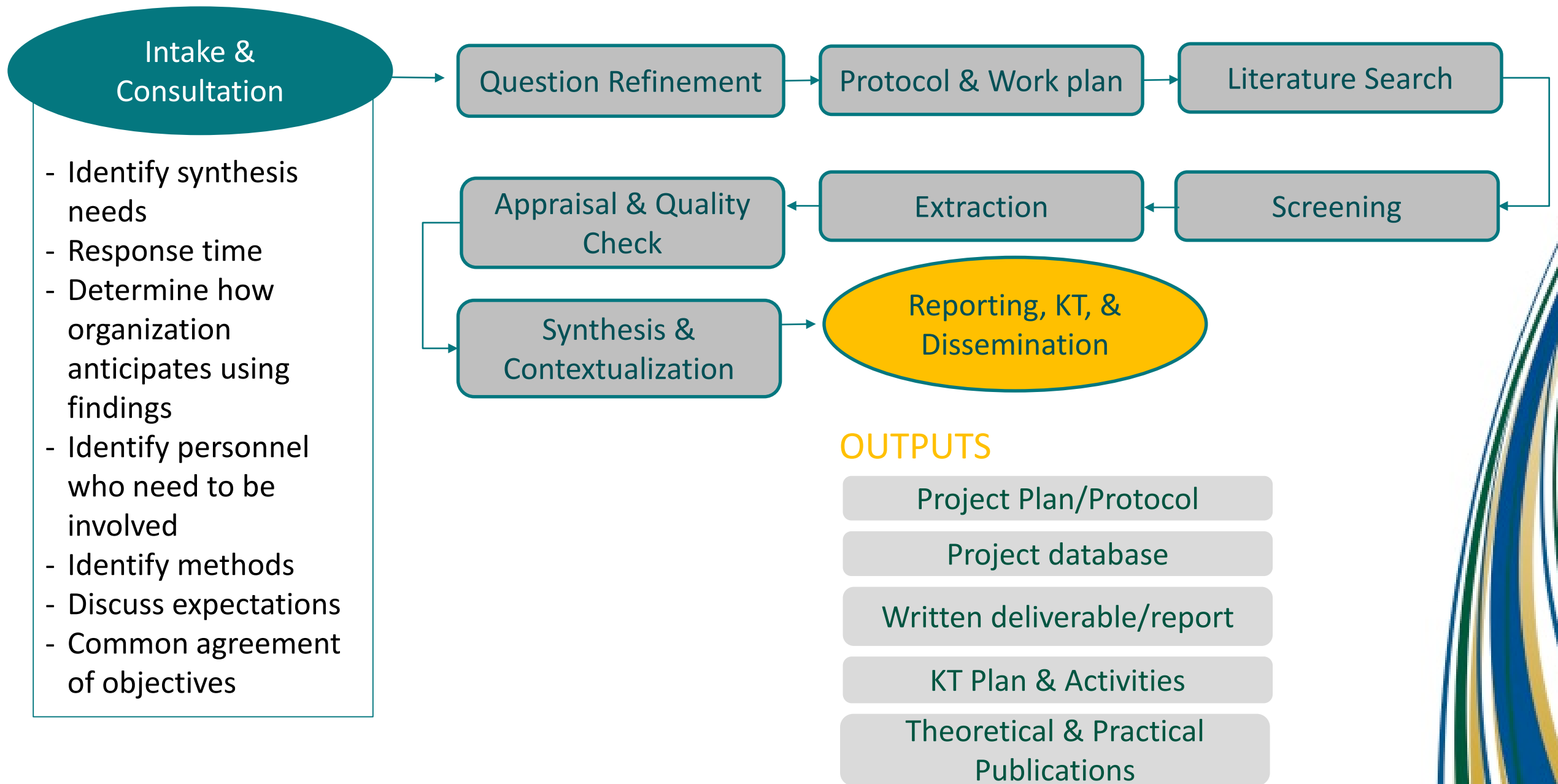
Build capacity among students, researchers, and partners

RANGE OF SYNTHESSES & TIMELINES

Type of Synthesis	Timing
Rapid Synthesis	3 days to 2 months (evidence brief or review of key articles)
Environmental Scan	3-6 months
Rapid Review	3-6 months (scoping, integrative, or systematic with tight parameters to reduce time needed)
Rapid Realist Review	3 to 6 months
Realist Review	12 to 24 months
Scoping Review	6 to 24 months (depending on scope)
Systematic Review*	12 to 24 months
Integrative Review	12 months
Overview of Reviews/Umbrella Review	12 months or less



PROCESS FOR COLLABORATIVE PROJECTS



POTENTIAL BENEFITS

- Provides a place for those conducting health related syntheses and knowledge users requiring syntheses to access services and supports
- Provides opportunities for multi-stakeholder collaboration and meaningful partnership across the north
- Knowledge users gain relevant, actionable evidence and contextualized recommendations in a timely manner for optimal management of patient care, resources, services, and development of policy and programs
- Informs the design and conduct of new health research attentive to the needs and realities of northern BC

CURRENT PROJECTS

Hermeneutic Approach to Implementation Science

UNBC – Northern Health

Community Response to Critical Incidents

UNBC - Northern Health – School District 57 – Ministry of Children & Family Development.

Exploring Physical Literacy in the Context of Healthcare

UNBC - Northern Health - WINBC

Health Impacts & Mitigation of Occupational Exposure to Wildfires

UNBC - BC Wildfire Service



QUESTIONS