# Evaluating Impact Innovation

**IIPP MPA Student Placement for Vinnova** 

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#### **OUR TEAM**



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### CONTEXT



#### A NEW PARADIGM IN INNOVATION POLICY



NBC News (2023).

- Transformative (TIP) and missions-oriented innovation policy (MOIP) is increasingly applied in practice (Schot & Steinmeuller, 2018; Mazzucato, 2018).
- While the concepts are well established, practices and examples of implementation and evaluation are far from developed. (Ghosh et al., 2021)
- Governments are faced with grand challenges, and these types of policies are one of the few options available to support new ways of working.
- Theory and practice are in a co-evolving process.

#### **IMPACT INNOVATION**

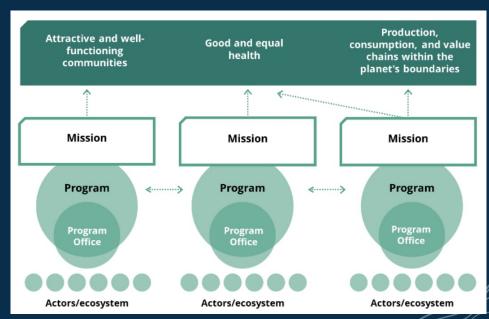


Impact Innovation (2023)

- A third generation Strategic Innovation Programme across three collaborating agencies.
- The objective is to accelerate the transition towards sustainability for global competitiveness and societal benefits.
- Bottom-up creation of 5 missions in 3 areas:
  - Production, consumption and value chains within planetary boundaries
  - Attractive, well-functioning communities
  - Good and equal health

#### **IMPACT INNOVATION**

- Programme offices (POs) play a leading and mobilizing role around the mission.
- The POs are expected to be active for at least 10 years.
- Only up to 50% of the PO funding can come from the three agencies.
- Five POs will be established in 2024. A second round will form additional POs and missions in 2027.



Vinnova (2023)





### CHALLENGE

An external analysis of the draft Impact Innovations evaluation plan

#### The challenge around evaluation

- Transformational change is a long-term process loaded with uncertainty and missions themselves are not static policies but expected to develop over time.
- The complex nature and interactions of system dynamics and the various levels at which systems change occurs requires multiple levels of analysis and undermines the value of traditional quantitative KPIs (Wittman et al, 2021).



There is a shift in the aim of evaluation towards a more formative approach that can support implementation through an emphasis on capacity building and learning

Wittman et al, 2021

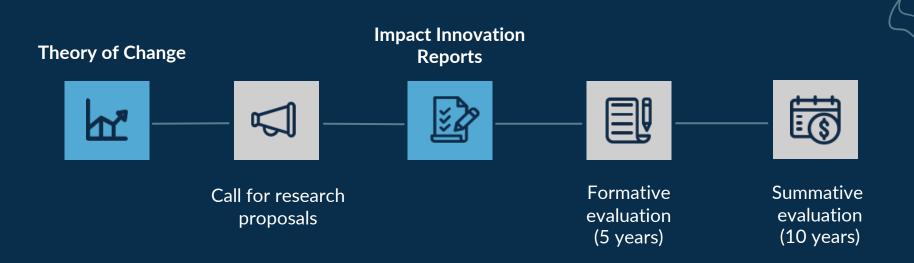
#### The opportunity



How can the evaluation team innovate on the draft Impact Innovation evaluation plan, drawing on the latest insights and practices in dynamic Monitoring, Evaluation and Learning (MEL)?



#### Scope of our project





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### RESEARCH

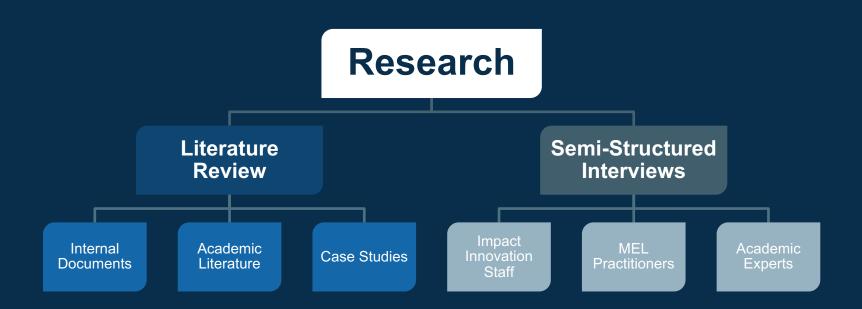


#### Research Questions

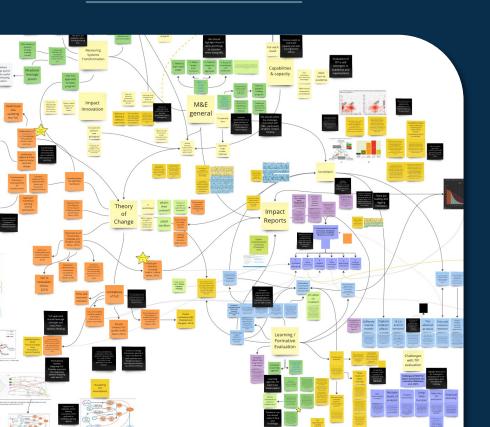
- 1. How do we measure and report on change in complex systems?
- 2. What capabilities, tools and approaches are useful for MEL if the goal is to continuously learn, adapt and accelerate efforts to transform complex systems?
- 3. How do we design and implement accountability frameworks, metrics or practices that allow for learning, flexibility and adaptation among the programme offices?
- 4. What are the key challenges for the agencies and programme offices in adopting these MEL approaches and tools?



#### Two methods of research



#### **Literature Review**



#### Understand and draw connections between:

- Evaluation and Learning in complex systems
- Impact Measurement and Indicator Selection
- Theory of Change for complex systems

#### **Semi-Structured Interviews**



#### Gained Insight from:

- Impact Innovation Staff 6
- MEL Practitioners 3
- Academic Experts 1

#### **Insight Synthesis**



#### **Key insights**



#### **COMPLEXITY AND CHANGE**

Traditional theories of change are not well-suited to complex systems



#### **DIVERSITY OF DATA**

Actionable data need to dynamically mix quantitative and qualitative approaches.



#### **POLICY LEARNING**

Evaluation is transformative when fostering deep learning



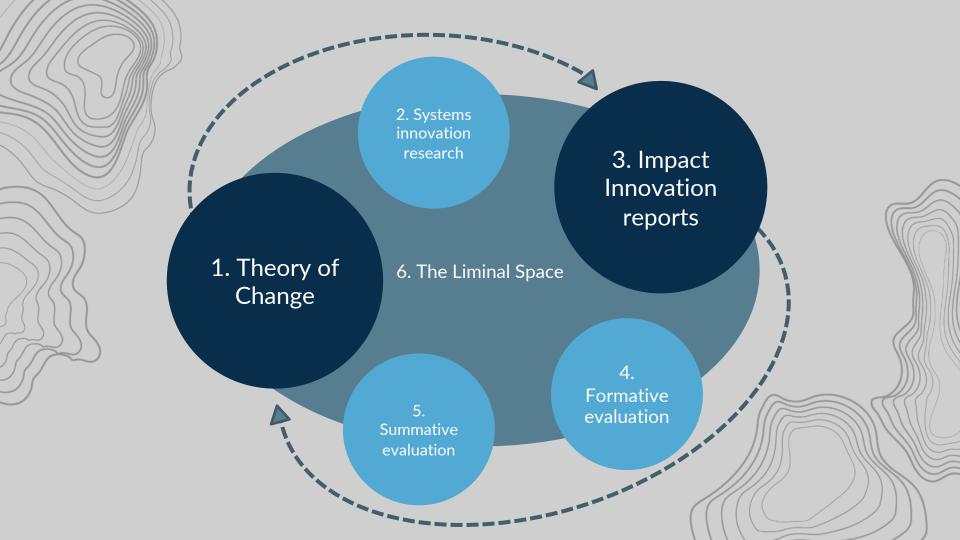
#### **EXPERIMENTAL EVALUATION**

Evaluation practice must be designed to be adaptive



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### RECOMMENDATIONS





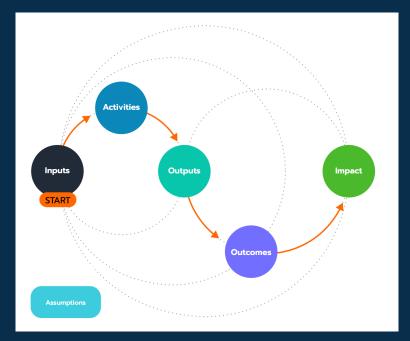
### 1. Incorporate systems thinking into the Theory of Change development process

#### Limitations of traditional Theory of Change approaches

Traditional Theory of Change approaches can over-simplify complex systems change through reduction of interactions to a linear cause-effect relationship (Ofek, 2017; Patton, 2010).

#### Gap in evaluation plan

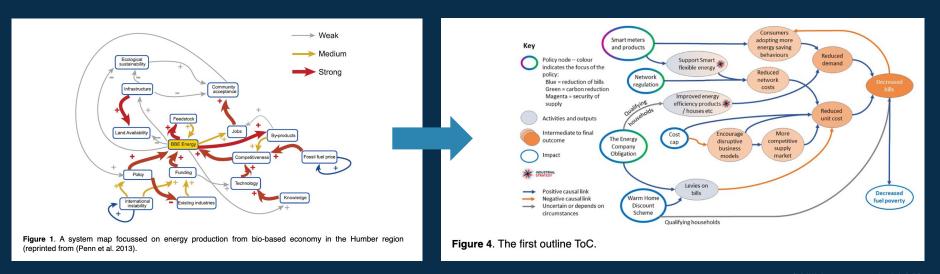
Systems thinking is absent from the proposed process of developing theories of change in the evaluation plan.



Theory of change (MOTION Handbook: Developing a Transformative Theory of Change)

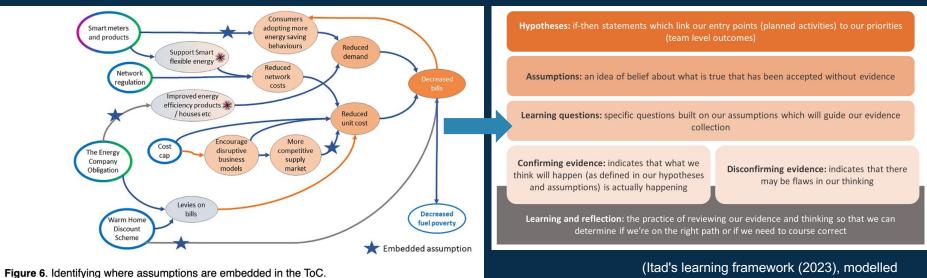
### 1. Incorporate systems thinking into the Theory of Change development process

Wilkinson et al (2020) have developed a clear, accessible process that integrates systems mapping with the theory of change to create a more holistic, complexity-appropriate, systems-based theory of change.



#### 1. Incorporate systems thinking into the Theory of Change development process

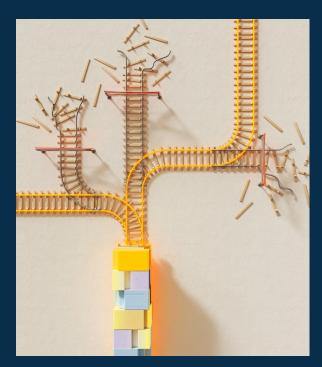
The mapping of assumptions in the theory of change can also serve as the basis for the creation of a learning agenda (UNDP Strategic Innovation, 2023).



(Wilkinson et al, 2022)

(Itad's learning framework (2023), modelled on Luminate's learning framework)

### 2. Create learning infrastructure for updating Theories of Change



Rendering by Khyati Trehan.

#### **Identified gaps**

Missing support for POs to update theories of change and lacking diversity of perspectives in shaping ToC.

#### **Proposal**

The Impact Innovation Accelerator provides learning infrastructure for programme offices involving a diverse set of stakeholders when updating the ToC.

#### **Rationale**

Updating the ToC is a moment with potential to become a transformative practice of evaluation in a diverse and well-facilitated dialogue space (Aranguren et al., 2017).

### 2. Create learning infrastructure for updating Theories of Change

2. Explore "unplanned" learning, signals and emerging outcomes

4. Update Theory of Change



1. Review learning plan and assumptions

3. Update systems map

5. Update indicators for Impact Innovation reports

#### Relevant cases

Measuring the Mountain, Wales (Iredale & Cooke, 2020)

Regional competitiveness policy, Spain (Aranguren et al., 2017)









### Qualitative







**Dynamic** 

#### 3. Qualitative Indicators

"Qualitative methods can provide a better approximation to impact assessment by providing a fined-grained, contextualized description of Transformative Outcomes through detailed narratives." (Molas-Gallart et al., 2021)

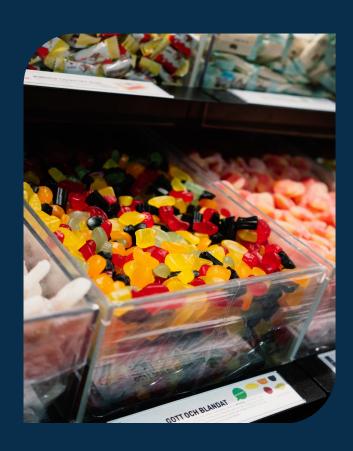
- Greater insight to current indicators
- Opens new lines of inquiry
- Ethnographic and Sensory data

Media
Visibility

How is a new vision of the future being articulated?

How is public awareness of a need for change being raised?

How is change in regulation being lobbied for?



#### 4. Customised Indicators

"The diverse fields that are likely to be addressed via MOIP make it difficult to develop generalized indicators that are both sufficiently specific and yet abstract enough to serve as a point of reference" (Wittmann et al., 2021)

- Create space for Programme Offices to design some indicators
- Updating Theories of Change and Systems Maps provides direction
- Include stakeholders to give alternate viewpoints
- Hivos provides a simple brainstorming tool

#### 4. Customised Indicators

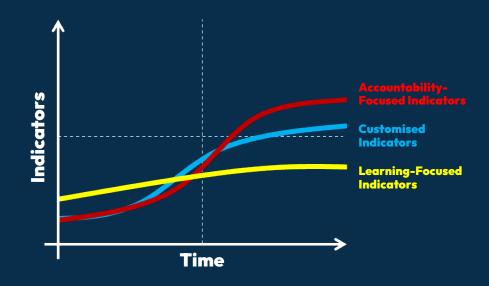
#### **Hivos Indicator Development Exercise**

Sign of Change	Relevance	Measurable	
Air quality	++	++	Good Indicator
Cars in area	++	+-	To be discussed
Bikes bought this year	+-	+-	Questionable
Total miles driven	+-		Drop

#### 5. Dynamic Indicators

The relevance of indicators changes over time, so their type and number should too.

- Early focus should be **Learning**
- Customised Impact and Accountability become more relevant over time
- Reduces perverse incentives
- Avoids overwhelming programme offices early on





### 6. Continuous micro-narrative collection and analysis

#### **Identified gaps**

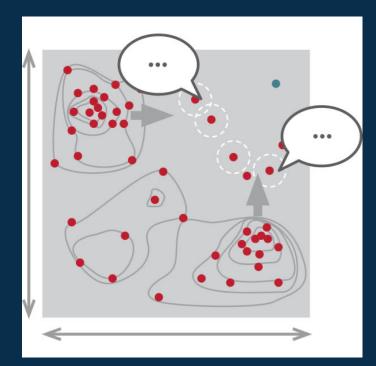
Data collected for reports risk not being granular and recent enough to provide actionable insights.

#### **Proposal**

Continuously collect and analyze stories from actors, POs, funding agencies and other stakeholders to better understand spill-over effects and emerging issues.

#### **Rationale**

Getting to the mission target is a complex process and requires continuous action and learning to nudge the system in the desired direction.



The Cynefin Company (n.d.)

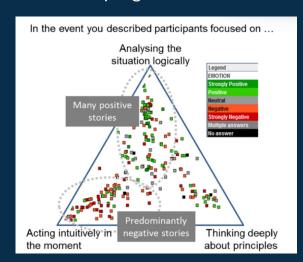
### 6. Continuous micro-narrative collection and analysis

Create a **framework** with input tools (examples from SenseMaker)



The Cynefin Company (n.d.)

Create a **dashboard** for data analysis and share with programme offices



Van Der Merwe et al. (2019)



#### **OUR RECOMMENDATIONS**

Incorporate systems thinking into the Theory of Change development process

Identify programme-specific indicators that signify progress along impact pathways defined by Theory of Change

Create a learning infrastructure for updating the Theory of Change

Use more dynamic indicators that change as the programmes evolve

Create more descriptive, qualitative indicators

Capture continuous micronarratives to provide actionable data

#### **WHAT'S NEXT?**



Listen to your feedback and refine our recommendations

Finalise our report which includes all of our research and recommendations in more detail Hand over the report and wrap-up our placement with Jakob and Miriam

## THANK YOU FOR LISTENING!

We would love to hear your feedback and answer any questions.



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