



# EdTech's Road to Evidence with WiKIT

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# What do we mean by evidence?

- Obtained by rigorous, independent and objective research
- Teachers' views and usability reports are part of evidence-gathering but are not "research"
- By research we mean rigorous, independent and objective evaluation of the EdTech's use on children's learning
- Research is conducted to find out when and how an EdTech works
  - For which children does it work best?
  - For which skills?
  - For which types of teaching?
- Use can be by the child alone (independent learning) or in the classroom (collaborative learning)
- Teachers' implementation of EdTech in their classroom (their pedagogy) can be part of the evaluation study



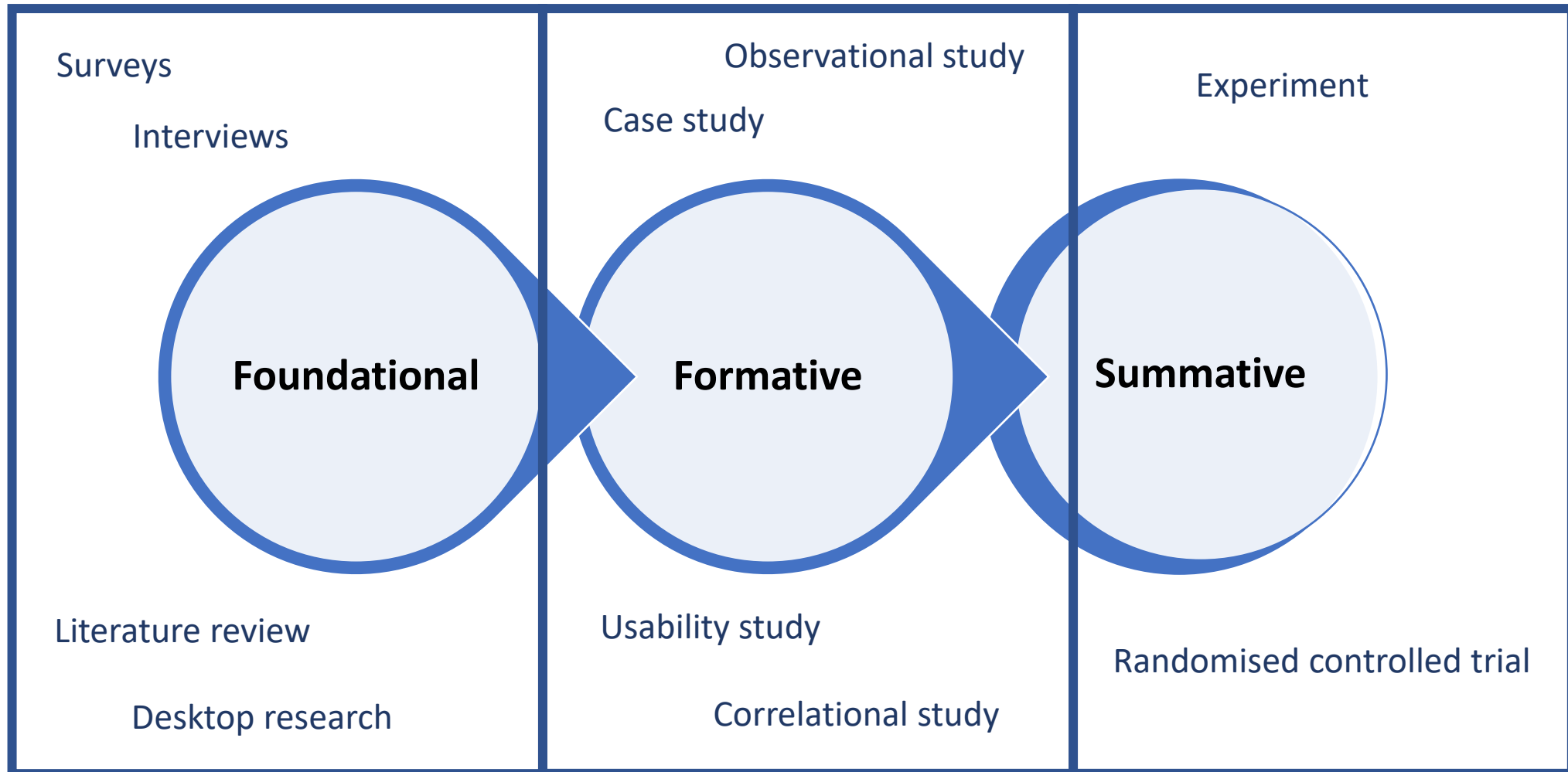
# When conducting research, we subscribe to the standards of RAND

- Engagement: We interact with those who have a stake in how our research is conducted, interpreted, and applied.
- Inclusion: We include all important perspectives throughout the research process.
- Relevance: We seek to inform and influence effective and timely solutions to important policy problems.
- Rigor: We conduct objective analyses grounded in a clear purpose using sound logic and the most appropriate theories, methods, and data sources available.
- Transparency: We explain our research, analysis, findings, and recommendations in ways that are understandable and usable.
- Legitimacy: We conduct research ethically, avoid conflicts of interest, and maintain independence and objectivity.

<https://www.rand.org/about/standards.html>



# Types of research (simplified)



How much research do you need to be “evidence-based”?

At which level of evidence is your product?

Summative

We ran an RCT trial

Summative  
Formative

We had an experiment or external evaluation of our programs

Formative

Causal testing and surveys with teachers

Foundational

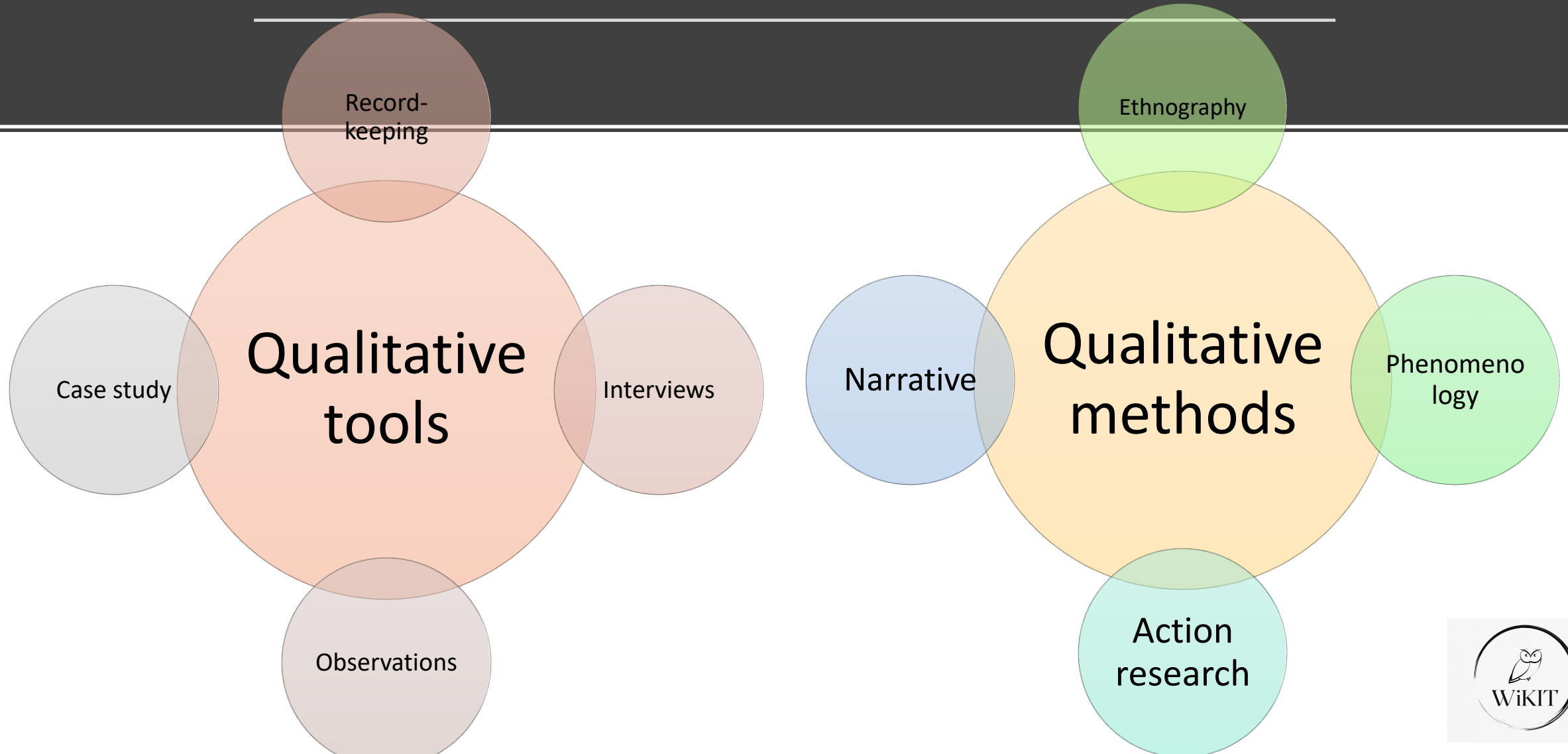
Have read some literature about what is important



# Effectiveness versus efficacy

	EFFICACY	EFFECTIVENESS
<b>Example questions</b>	Does the EdTech work as it was designed to work?	Does the use of the EdTech benefit children in the classroom?
<b>Testing site</b>	“Ideal classroom” selected based on strict criteria	Typical classroom
<b>Participants</b>	Children selected based on inclusion/exclusion criteria	All children in a given classroom
<b>Intervention</b>	EdTech is used according to an established protocol	EdTech is used flexibly, parallel with other tools already in the classroom

# Types of qualitative research



# Research is complex ...

- In addition to causal inference, you might consider qualitative and mixed methods, applied or design-based research
- Each target implies different data types and instruments to collect them
- For research to count as evidence, you need independent external research evaluation
- Independent measures have stronger evidence value than developer measures

## EdTech often ask us:

- What questions can we answer with this evaluation?
- What type of tool or instrument shall we use to capture the data?
- What is a milestone of progress?
- How do we know the intervention “works”?





# Establishing your evidence base

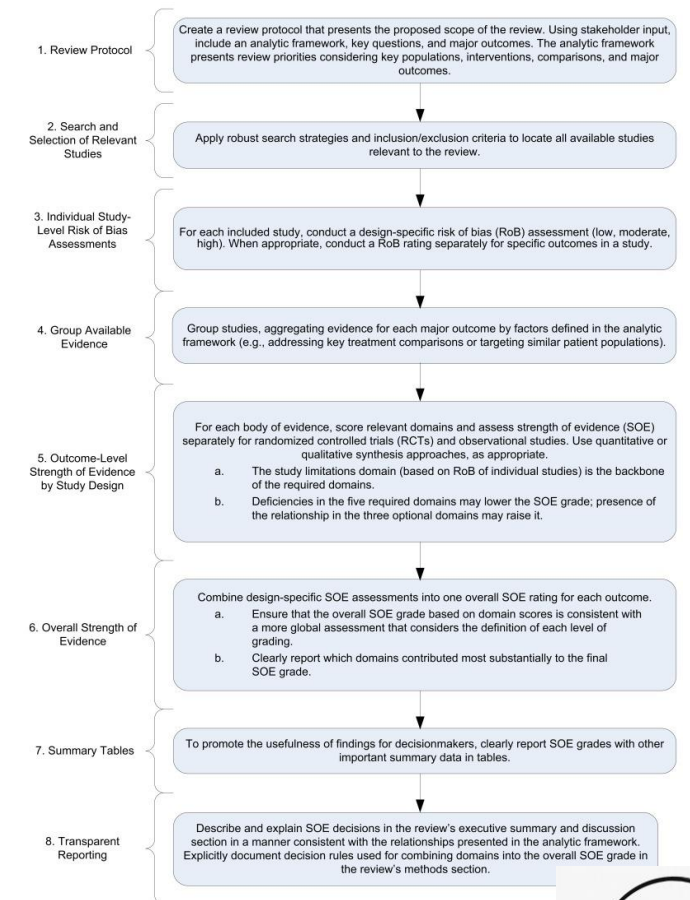
- WiKIT can reliably and objectively locate your product at the appropriate evidence level

We run a data audit and assess where you fit in terms of objective evidence frameworks

To evaluate your evidence portfolio, we use the criteria of systematic review studies to establish strength of evidence

We call it the “Wikit Method”

Once you know your evidence level, we can recommend appropriate service to scale your evidence journey

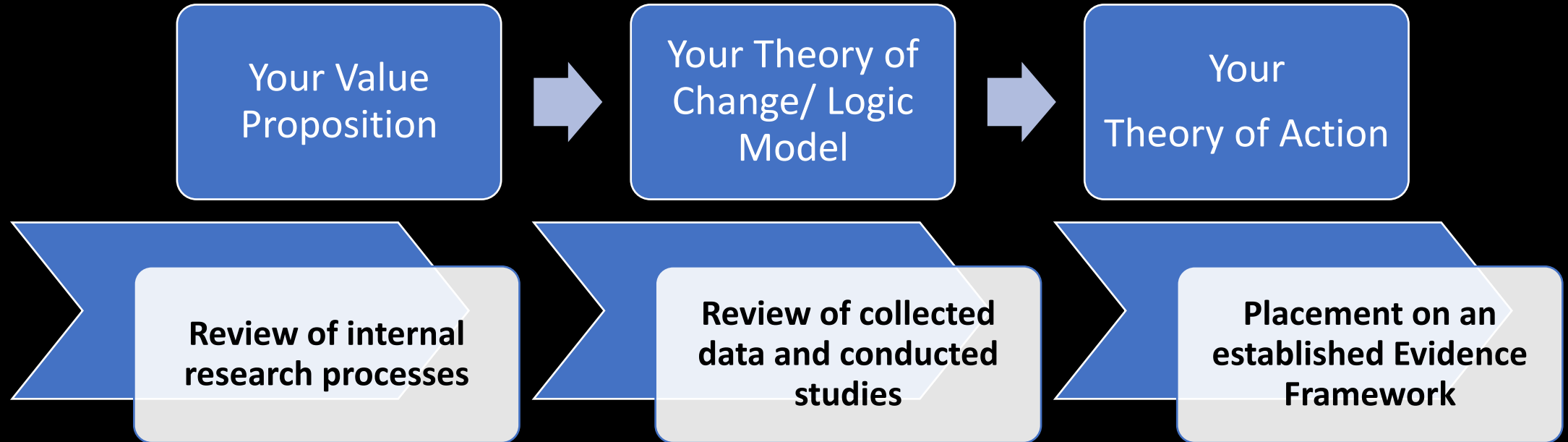


# WiKIT's services



# 1. Establish evidence base

Interviews with the company team +  
Desktop research



You will get:

- overview of your current research base
- refined logic model and theory of change to follow
- Ability to systematically analyse your processes to drive sales and learner experience

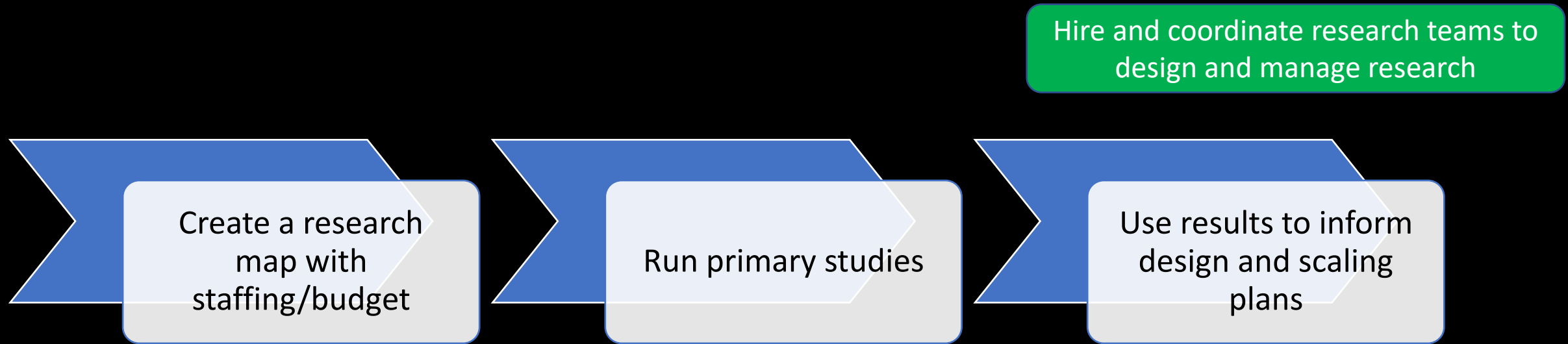
You will have:

- increased understanding of where you are on your evidence journey
- increased understanding of your position in the market and next steps



**Great for companies at early stage looking to articulate their value proposition and develop their research strategy**

# 2A. Use research to drive learning impact



You will get:

- Ability/Knowledge to measure the impact of your product in different markets
- Ability/Knowledge to know when, for whom, and under what conditions, your product works best

Together with us, you will:

- Develop measurement plans and tools for ensuring valid measurement of short-term and long-term outcomes
- Deploy principles of learning sciences to evaluate the anticipated impact of your product



*Great for companies that want to improve their products and processes with research insights over time*

## 2B. Use evidence to scale

Interviews with beneficiaries and external stakeholders



You will get:

- marketing materials for showcasing your evidence base to customers
- communication materials for pitching to funders or procurement teams at schools' or governmental level

You will have:

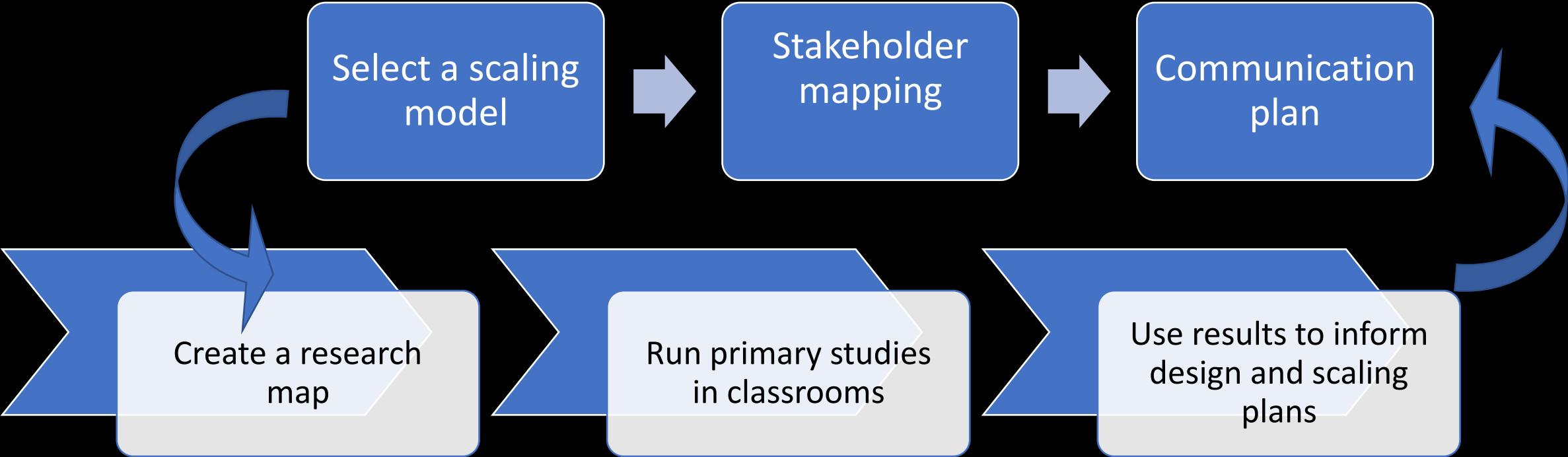
- increased understanding of your target audience with comprehensive stakeholder mapping;
- increased understanding of the need for a research case to seek or justify external funding



*Great for companies that want to scale with evidence of impact and validity*

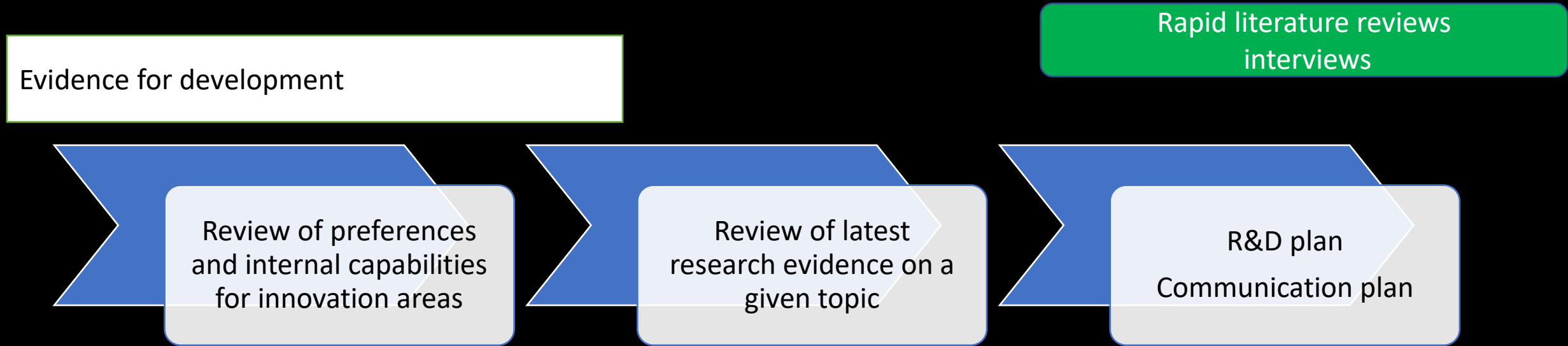
# Combine 2A & 2B in a cycle of continued improvement

Use research to drive sales



Use research to drive learning impact

# 3. Use evidence to innovate



You will get:

- research-validated plans for embedding cutting-edge evidence into your products
- rapid literature reviews on latest developments in the content area you target

You will have:

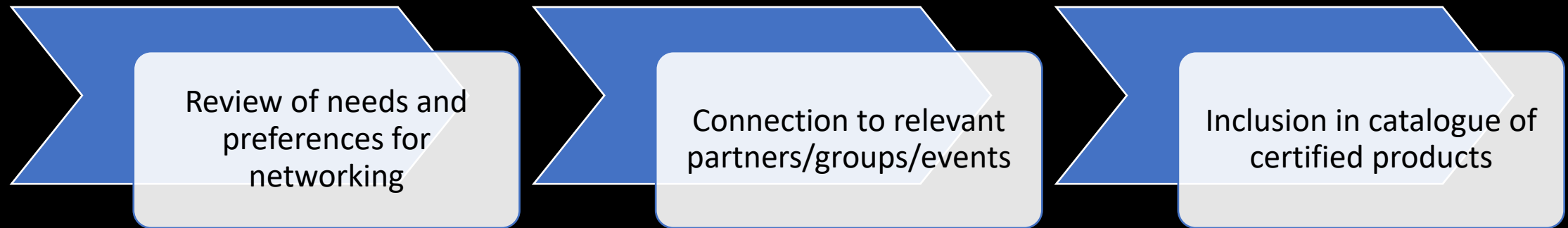
- increased understanding of your innovation value
- increased understanding of known challenges and plans for proactively addressing them



*Great for visionary companies that navigate change in a way that delivers impact and increases their reputational value*

# 4. Use evidence to connect

Facilitating events/networking



You will get:

- access to an evidence-driven network of EdTech producers
- VIP access to events, testbeds, certification and quality assessment tools
- increased visibility and transparency of products
- reduced price and accelerated membership options with our partners



*Great for companies that benefitted from at least one of WiKIT's services*



# Internal training, coaching, workshops

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We work as **your partner** and aim to establish long-lasting and solid relationships

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-as your thinking partner, we engage with internal team members to incubate, test and scale design features and user experiences across your markets

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-we help you strategise about emerging opportunities and challenges in the EdTech ecosystem

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-we train your team on how to gather evidence and monitor the impact of products over time

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-we train your team on design and help execute qualitative and quantitative research studies

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*Great for visionary companies that navigate change in a way that delivers impact and increases their reputational value*

# About this document

This document is a working paper produced for WikIt, AS by Professor Natalia Kucirkova. It is available for free under the Creative Commons Attribution 4.0 International <https://creativecommons.org/licenses/by/4.0/> License.

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