

Breeding RTB products
for end user preferences

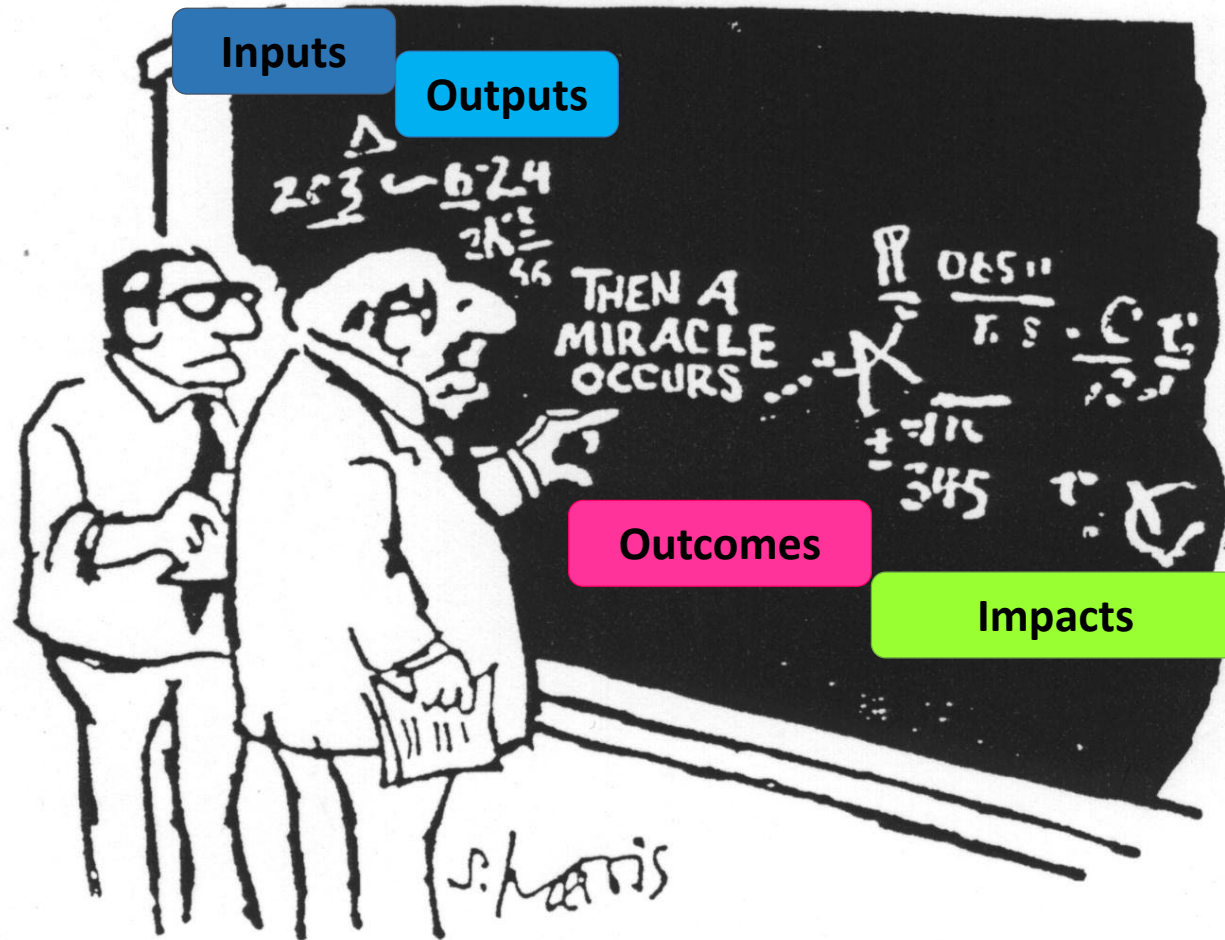


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ImpresS ex ante & the RTBFood Theory of Change

*Genowefa Blundo Canto for
The ImpresS Team*

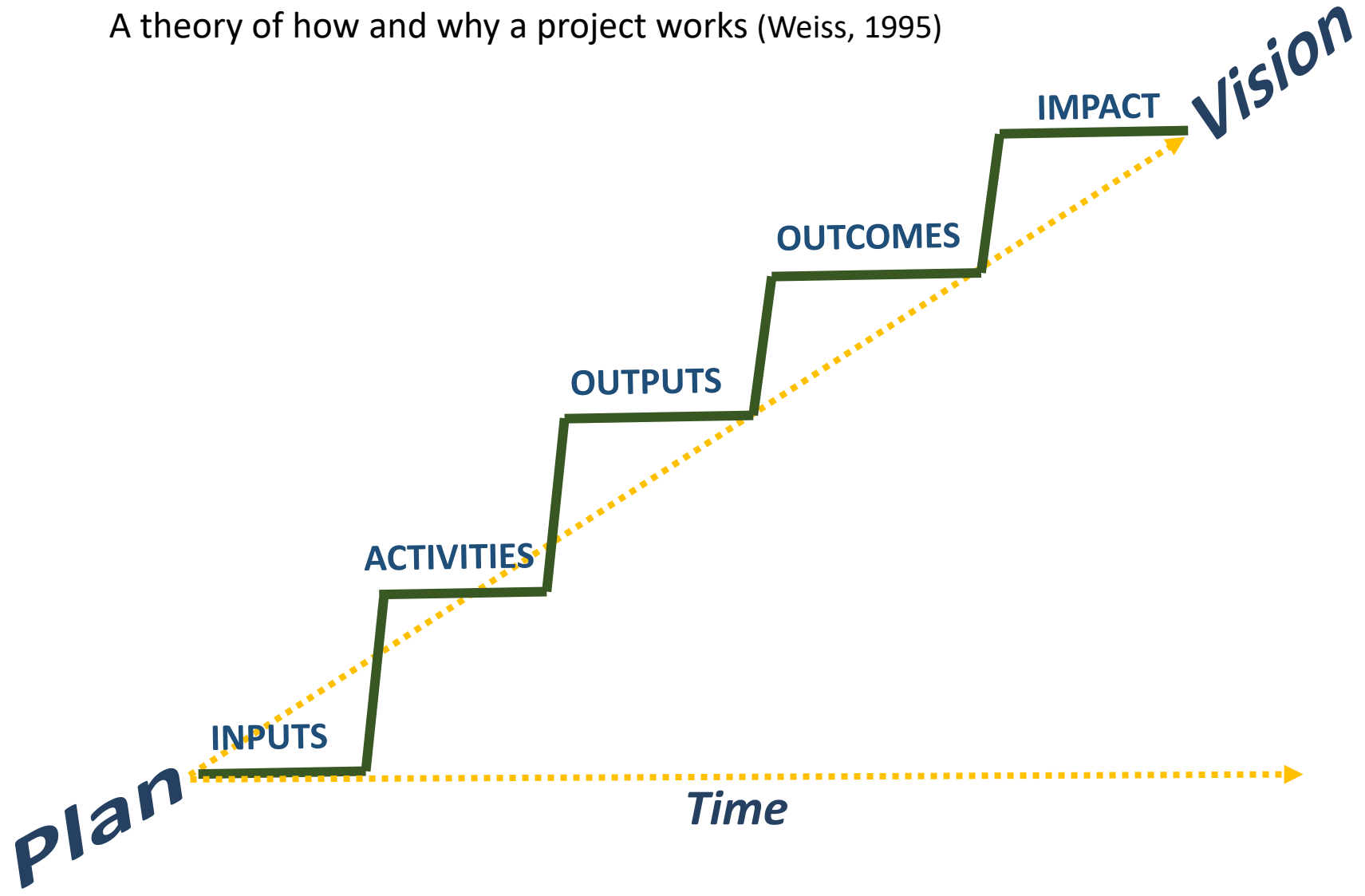




I think you should be a little more specific, here in Step 2

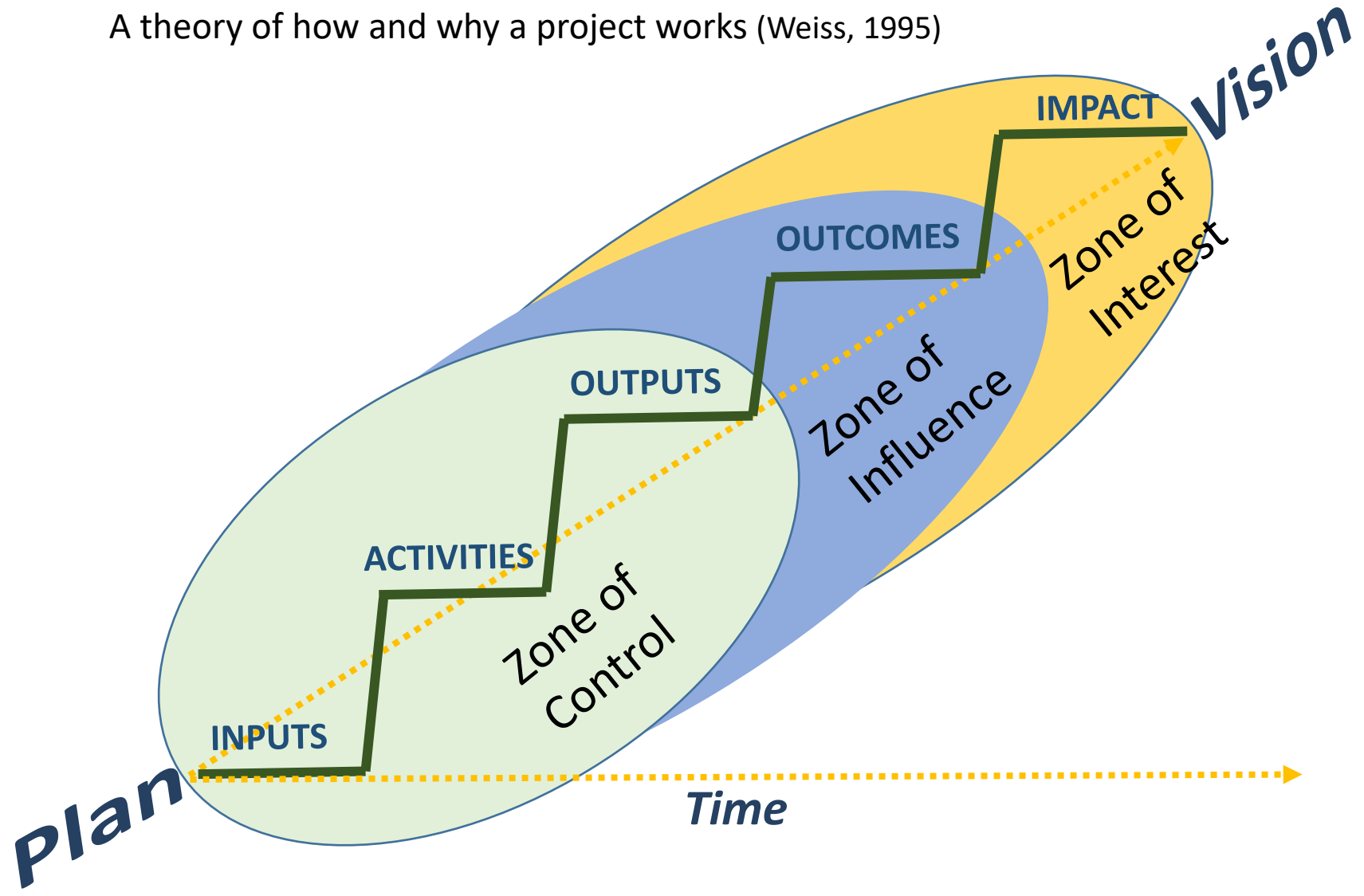
What is a theory of change?

A theory of how and why a project works (Weiss, 1995)



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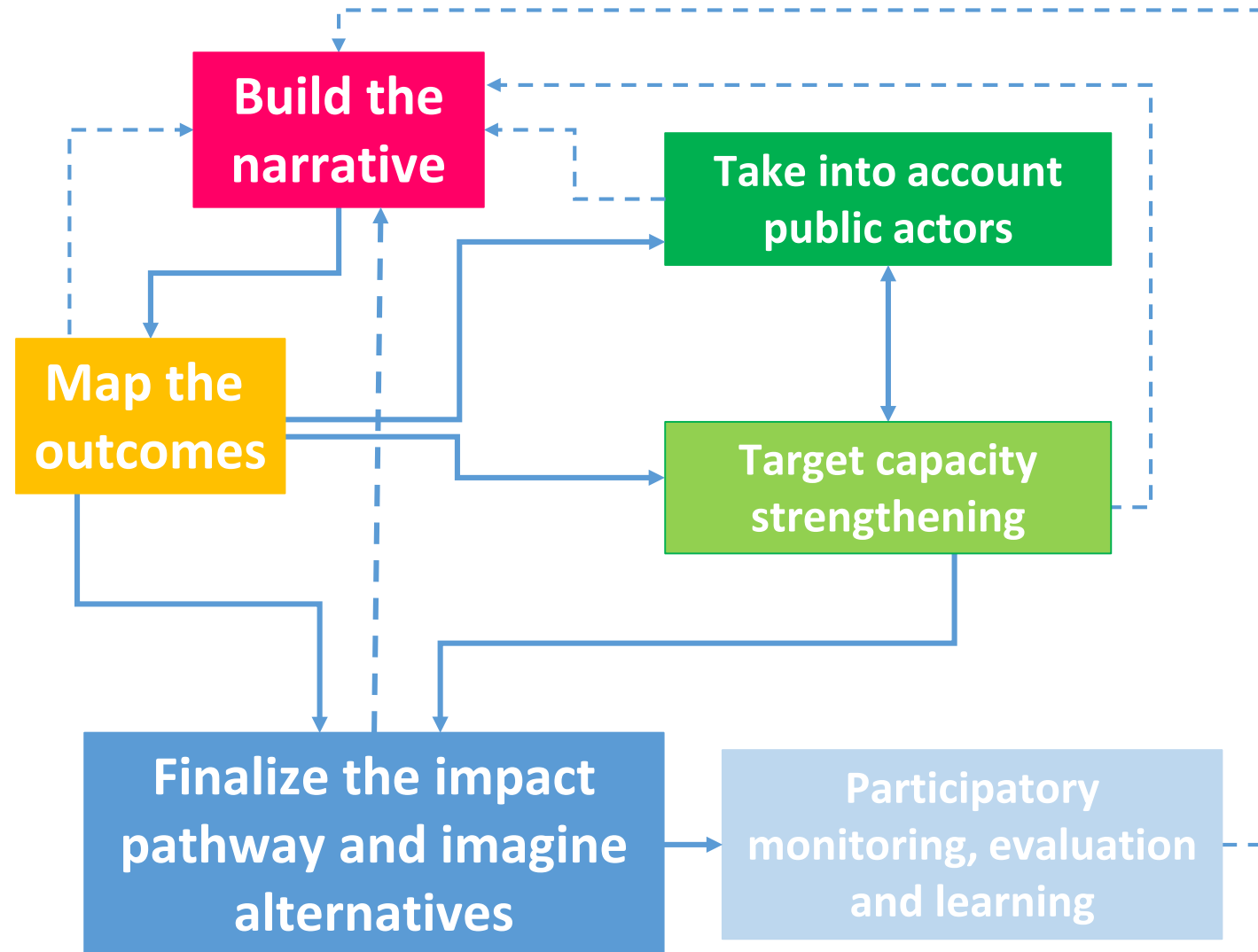
Why should we develop impact pathways / theories of change?

- To build **plausible pathways with and for the actors**
- To reach a **common vision**
- To improve **planning and implementation**
- To help ensure projects are **designed for what they are supposed to do**
- To provide a framework for **learning and reflection**
- To build a **culture of impact** against a culture of promise

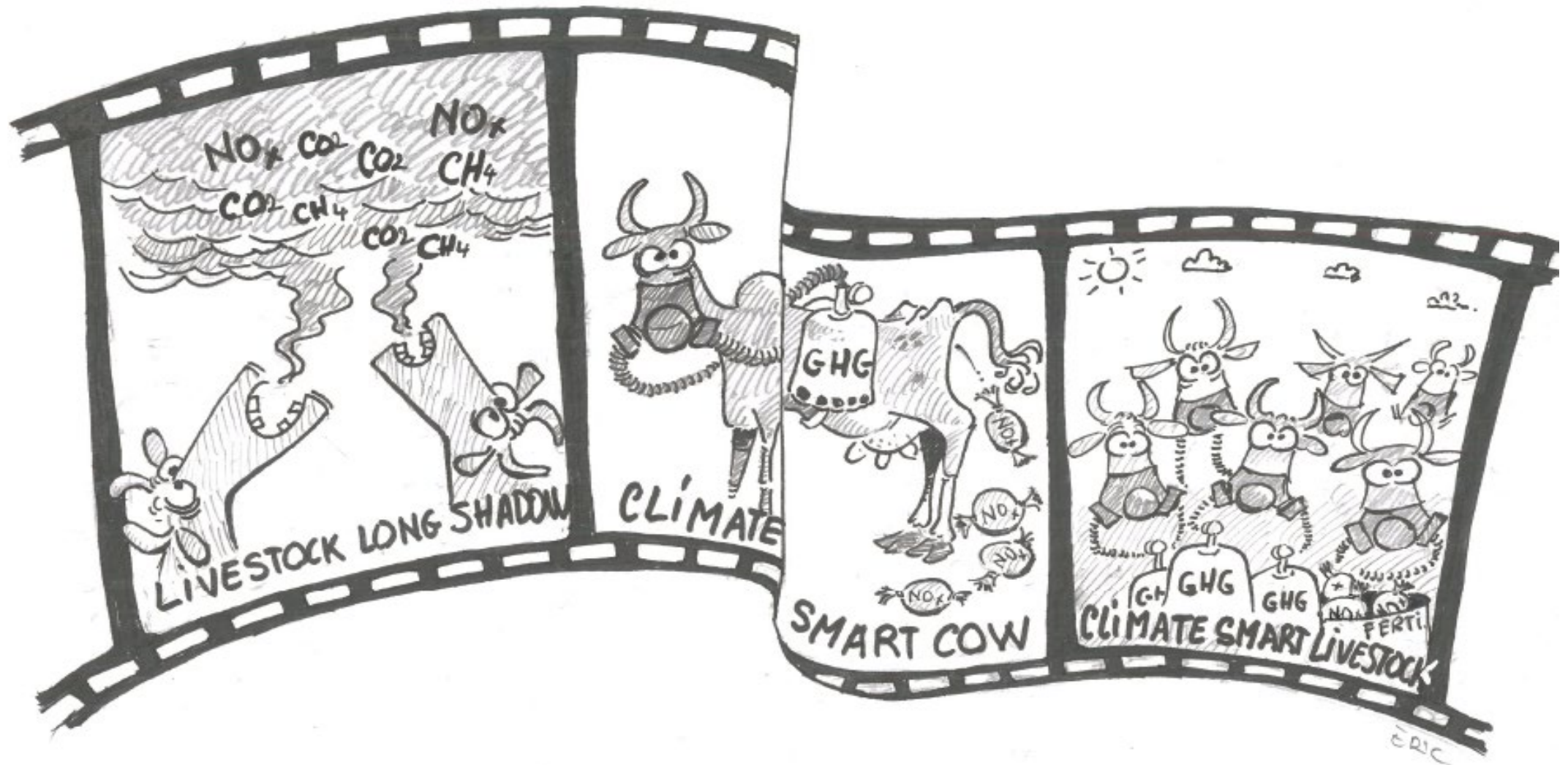
A way to develop plausible impact pathways & Theories of change:



- Iterative
- Participatory
- Adaptive
- Guidance questions



① BUILD NARRATIVE



Build the Narrative

- Draw a first assessment
- Define the impact hypothesis
- Identify the main problem/opportunity and draw potential solutions
- Take into account the innovation trajectory: past, present, future projects
- Map major, influent and impacted actors
- Define the spatial perimeter
- Identify the global impact pathways
- Identify the mode of intervention research
- Refine the impact hypothesis
- Define a first chronogram



Outcomes : Who does what differently?

Outcomes: **changes in practice and behaviour** of actors of the innovation process. These changes are **linked to** their **appropriation, use, adoption, transformation, adaptation of products** that lead to technological adaptation, new practices, new capacity, new rules and new organizations

Major changes in capacities, skills, attitudes are needed to incentivize these changes in practice and behaviour

**Build the
narrative**

```
graph TD; A[Build the narrative] --> B[Map the outcomes]; B --> C[Identify outcomes, Define the role of actors, Identify the major changes needed to produce the outcome, Identify the obstacles to change, Identify the strategies to overcome obstacles, Go back to the narrative];
```

**Map the
outcomes**

- Identify outcomes
- Define the role of actors in producing outcomes
- Identify the major changes needed to produce the outcome
- Identify the obstacles to change
- Identify the strategies to overcome obstacles
- Go back to the narrative

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③ TAKE INTO ACCOUNT PUBLIC POLICIES

HERE, LADIES AND GENTLEMEN, OUR PROPOSAL FOR AN AGENDA TO DEVELOP
A CLIMATE SMART LIVESTOCK.

CLIMATE SMART HUSBANDRY TRAINING PROGRAM

Civil Servants for Extension Services

INFRASTRUCTURES FOR FARMS
FACTORIES, AND MARKETS

CREDITS AND SUBSIDIES FOR FARMERS AND ENTREPRENEURS

LABEL FOR LOW GHG DAIRY PRODUCTS



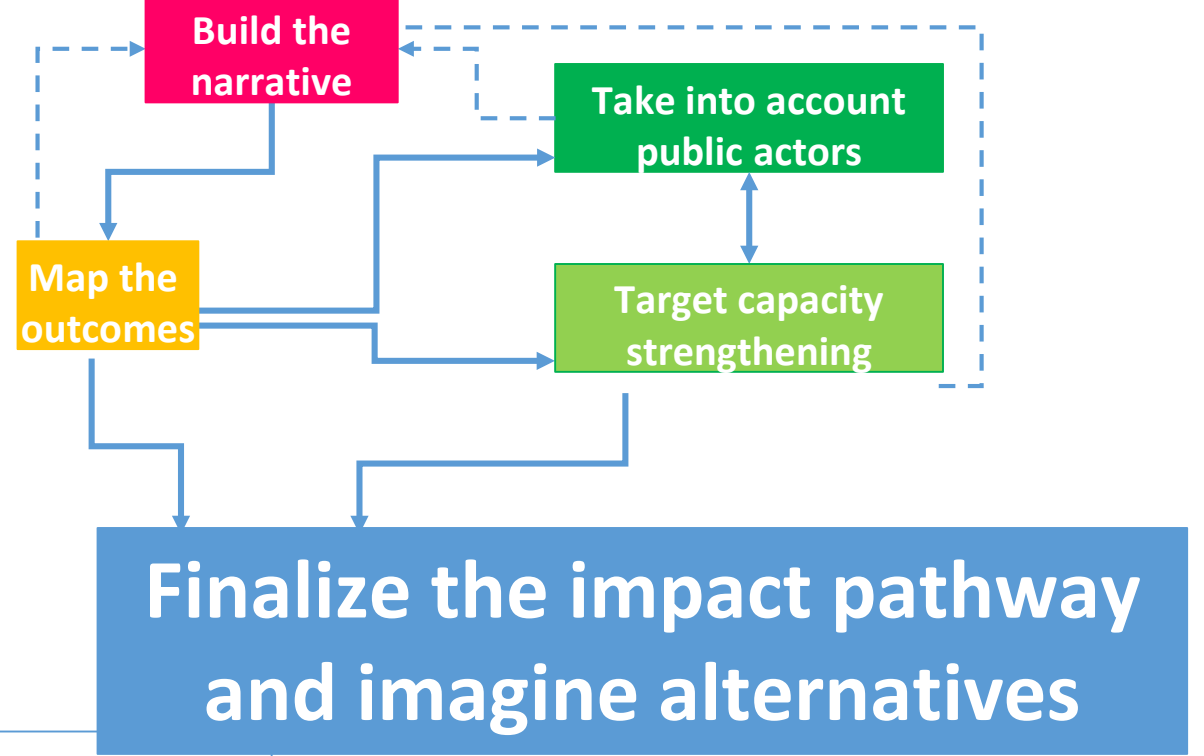
④ TARGETING CAPACITY STRENGTHENING

CLIMATE SMART LIVESTOCK SCHOOL



5 FINALIZE THE IMPACT PATHWAY AND IMAGINE ALTERNATIVES

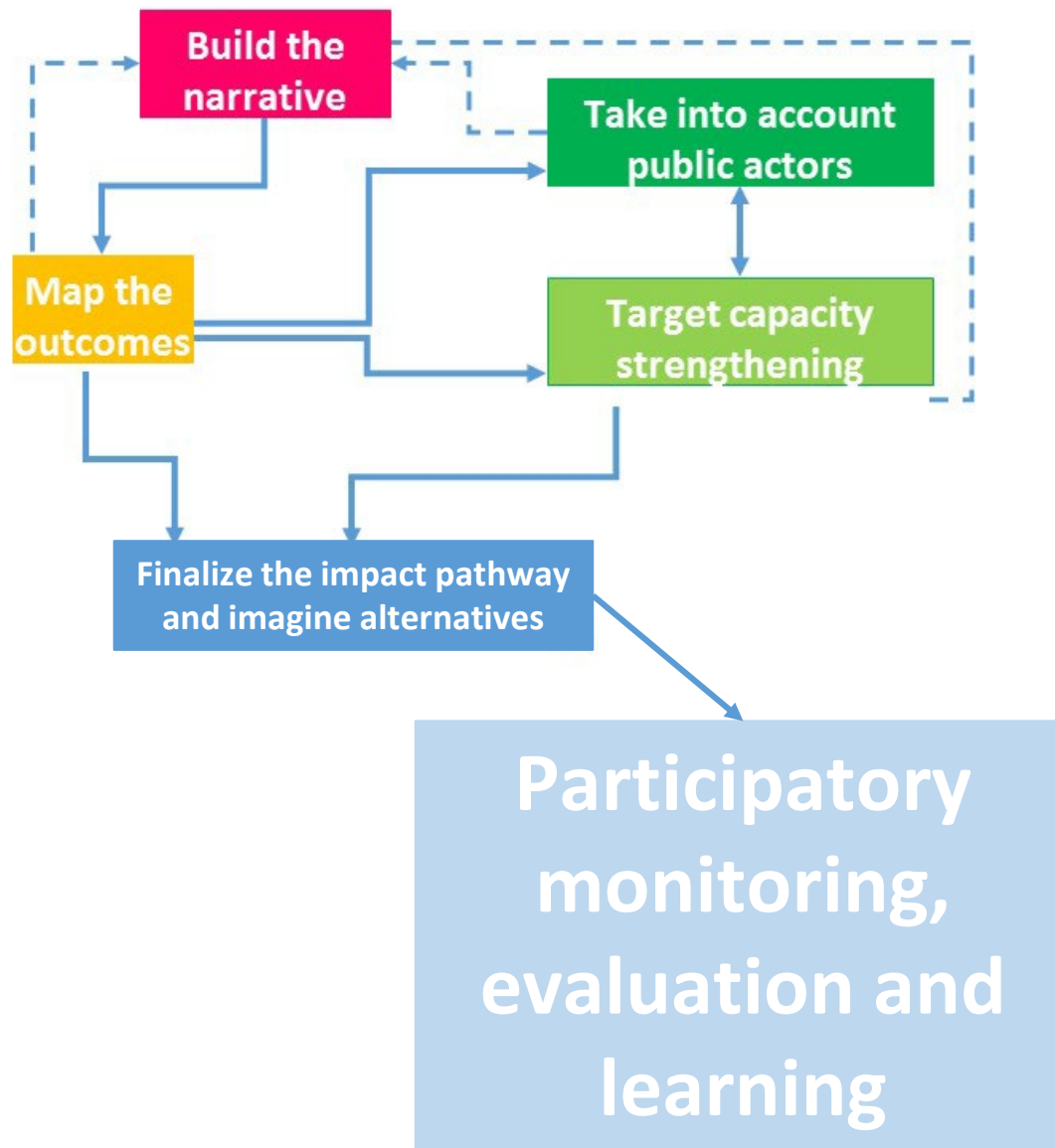


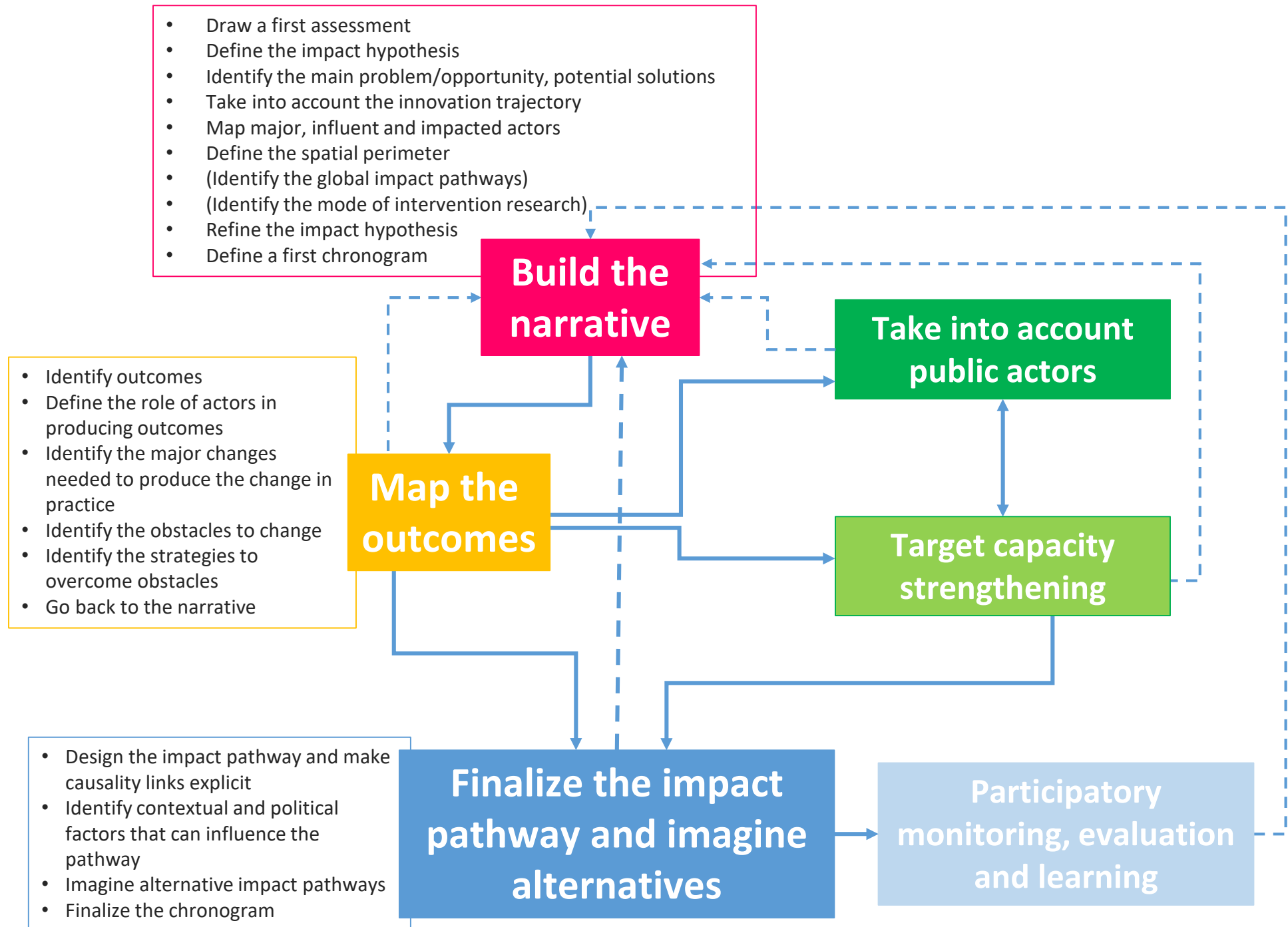


- Design the impact pathway and make causality links explicit
- Identify contextual and political factors that can influence the pathway
- Imagine alternative impact pathways
- Finalise the chronogramme

⑥ MONITORING EVALUATION AND LEARNING







Building ex ante impact pathways/theories of change means **making explicit** through **collective intelligence** the **mechanisms** by which research contributes to impacts

The narrative and the impact pathway help us to develop our actions and learn from them, but we need to be aware that things might change during implementation: **reflection** and **adaptive monitoring**

Reaching a common vision for RTBFoods



The RTBFoods' theory of change

- Based on results tracker and project document
- Not all outputs included to allow visualisation
- Basis for discussion and adjustment

Central problem

Low acceptability of new varieties: socio-cultural structures, gender-disaggregated preferences, processing and quality issues.

RTB breeders lack access to selection tools needed to evaluate end use quality early enough : participatory approaches, genotype by environment analyses, high-throughput methods to screen large numbers of clones in a timely manner

Proposed solution

Improved knowledge of the essential quality traits for successful RTB variety adoption developed by multidisciplinary teams on 12 food products important for diets in 5 countries

How

Analysis of biophysical properties that underpin key quality criteria
identified through socio-cultural surveys and technological diagnostics

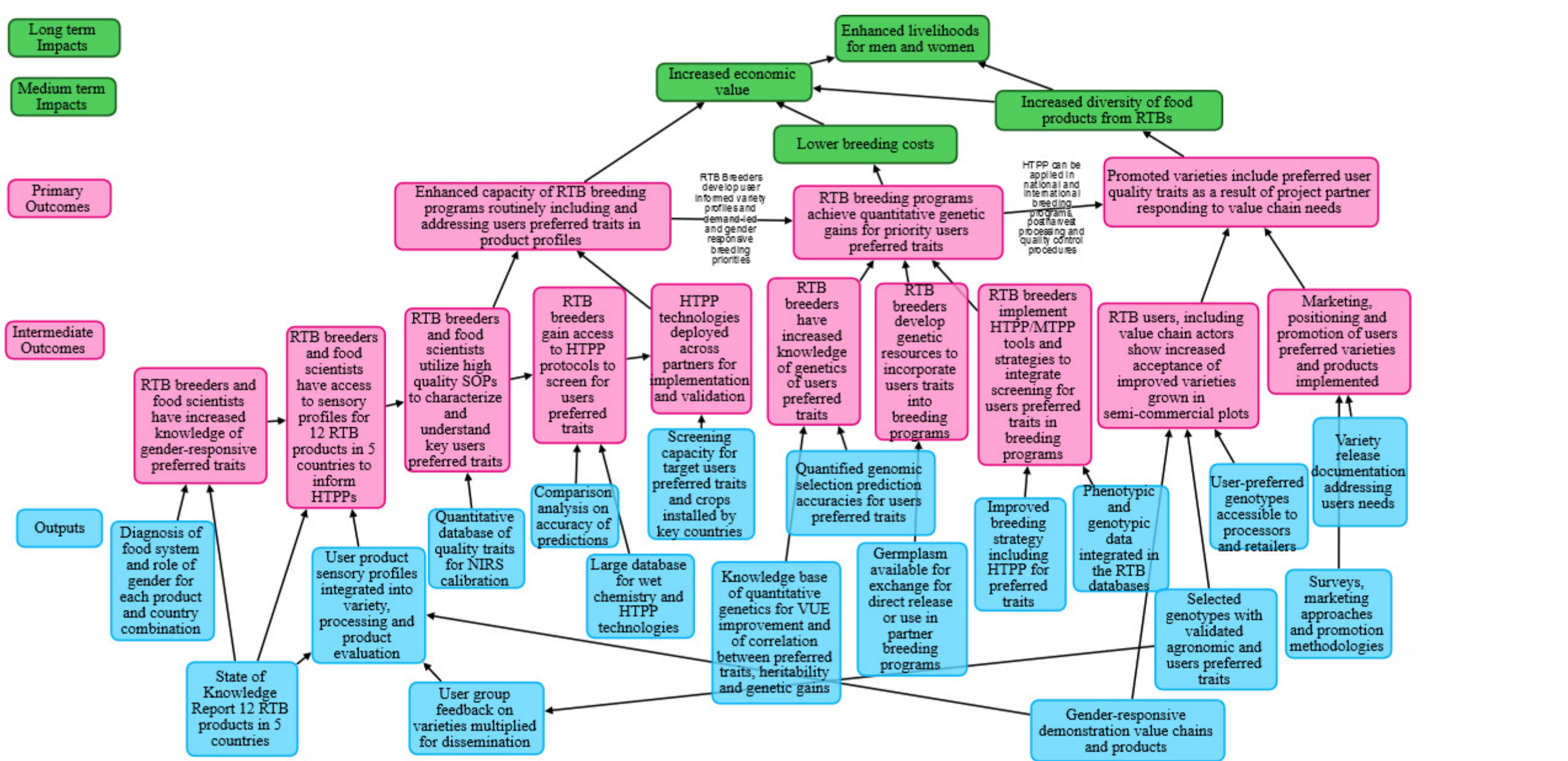
Adaptation and development of methods
for biophysical analysis

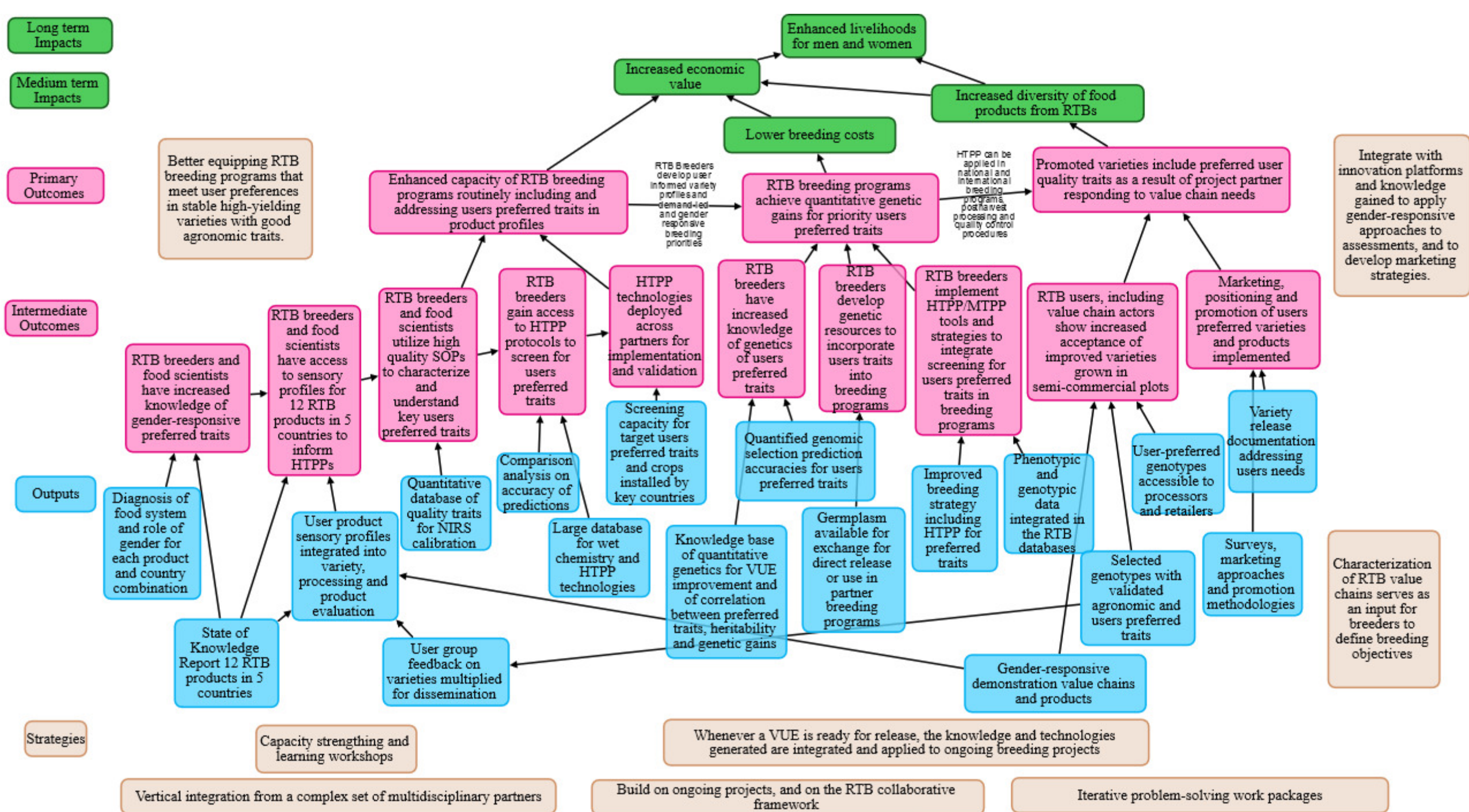
Databases for predictive equations and to calibrate HTPP in the different RTB variety improvement programs in sub-Saharan Africa

Simultaneous prediction of several quality traits to enable selection of the most likely varieties to be adopted by end users

Enable reduction of phenotyping **costs**, factor contribution analysis costs and cultivation and processing practices costs

Testing of most promising varieties under real-life conditions with users





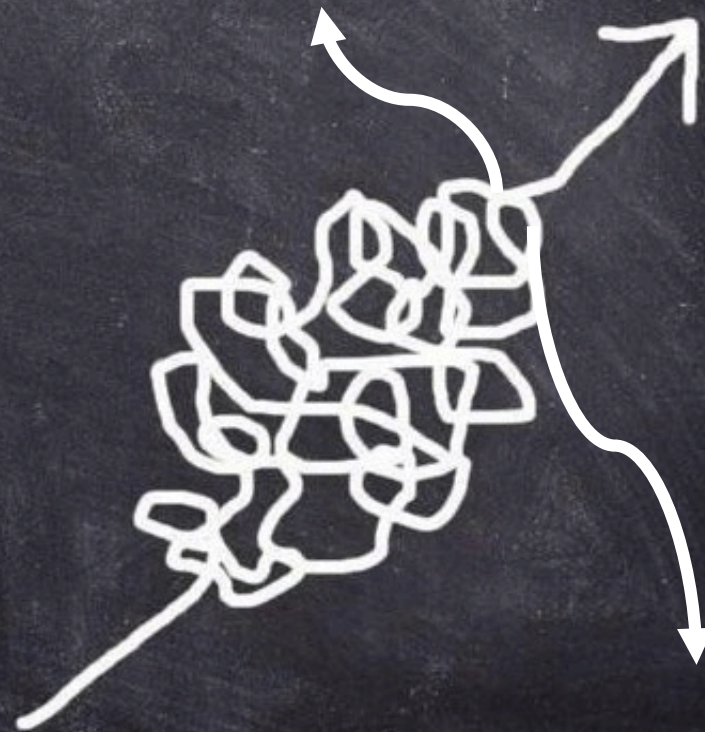
Next

1. Basis for discussion to reach common vision
2. To keep in mind the outcomes during your work this week
3. To be completed this week (results tracker)

What People Think
Success Looks Like:



What Success Really
Looks Like:



Thank you !

