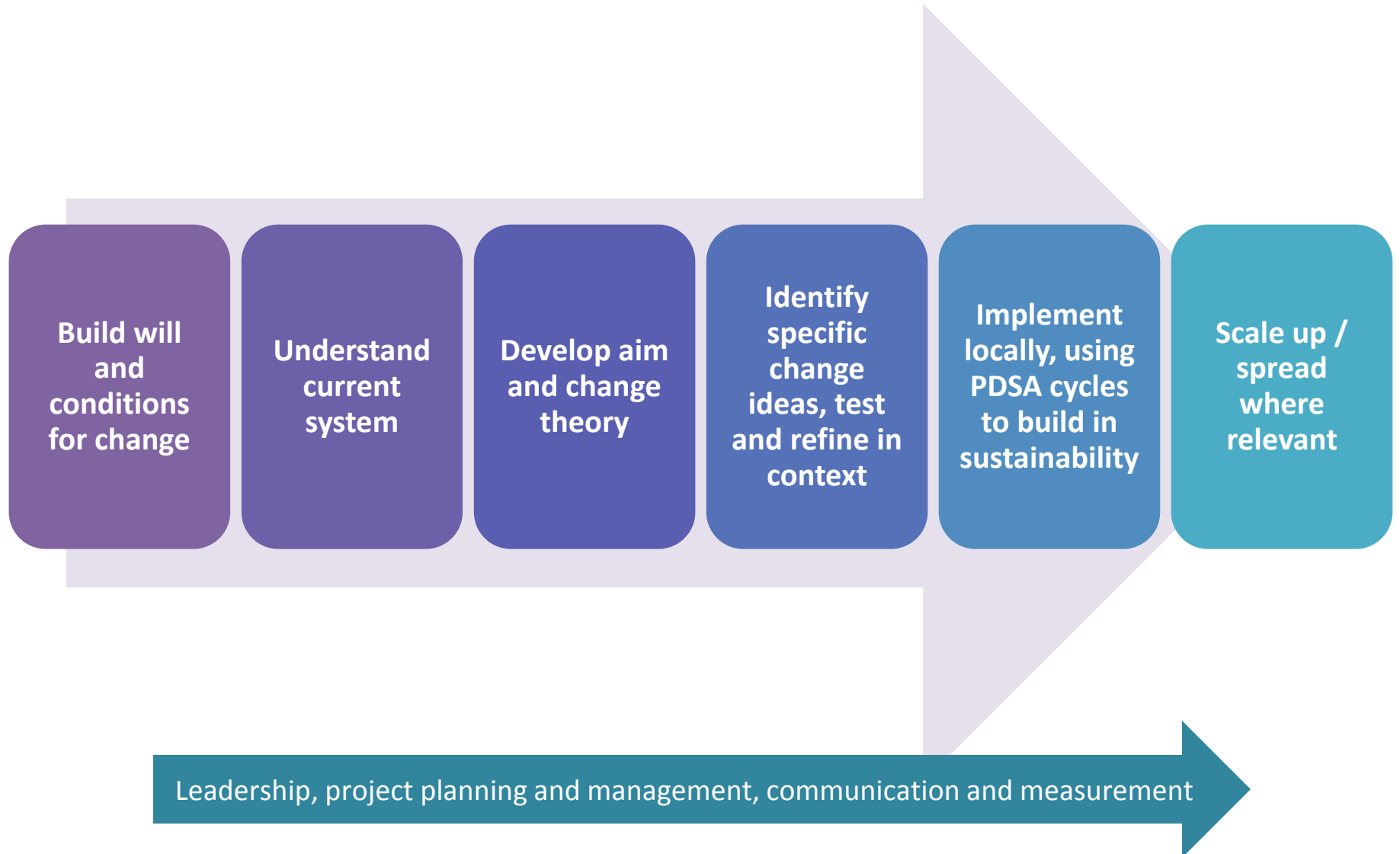


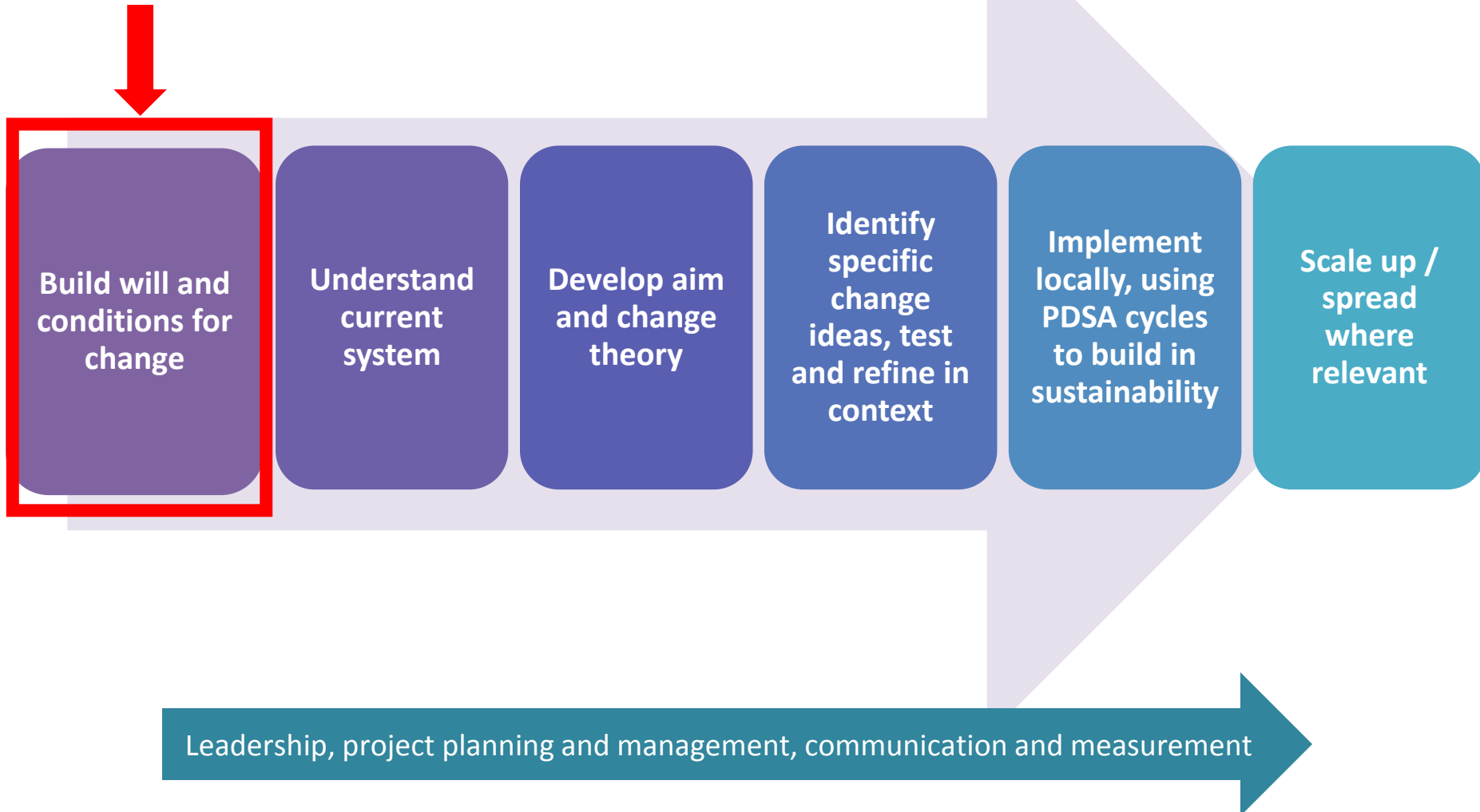
QI Basics

Laura Allison
Head of Quality Improvement
NHS Education for Scotland

The Scottish Improvement Journey



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AN ACTION PLAN FROM THE WORLD'S
FOREMOST EXPERT ON BUSINESS LEADERSHIP

Leading Change



John P. Kotter

HARVARD BUSINESS SCHOOL PRESS

Supporting
Improvement
Leaders to:

Demonstrate use of
change
management theory
to lead and
motivate people in
quality
improvement

**Implementing &
sustaining for
change**

8. Make it stick

7. Build on the change

**Engaging &
enabling the
organisation**

6. Create quick wins

5. Empower action

4. Communicate the vision

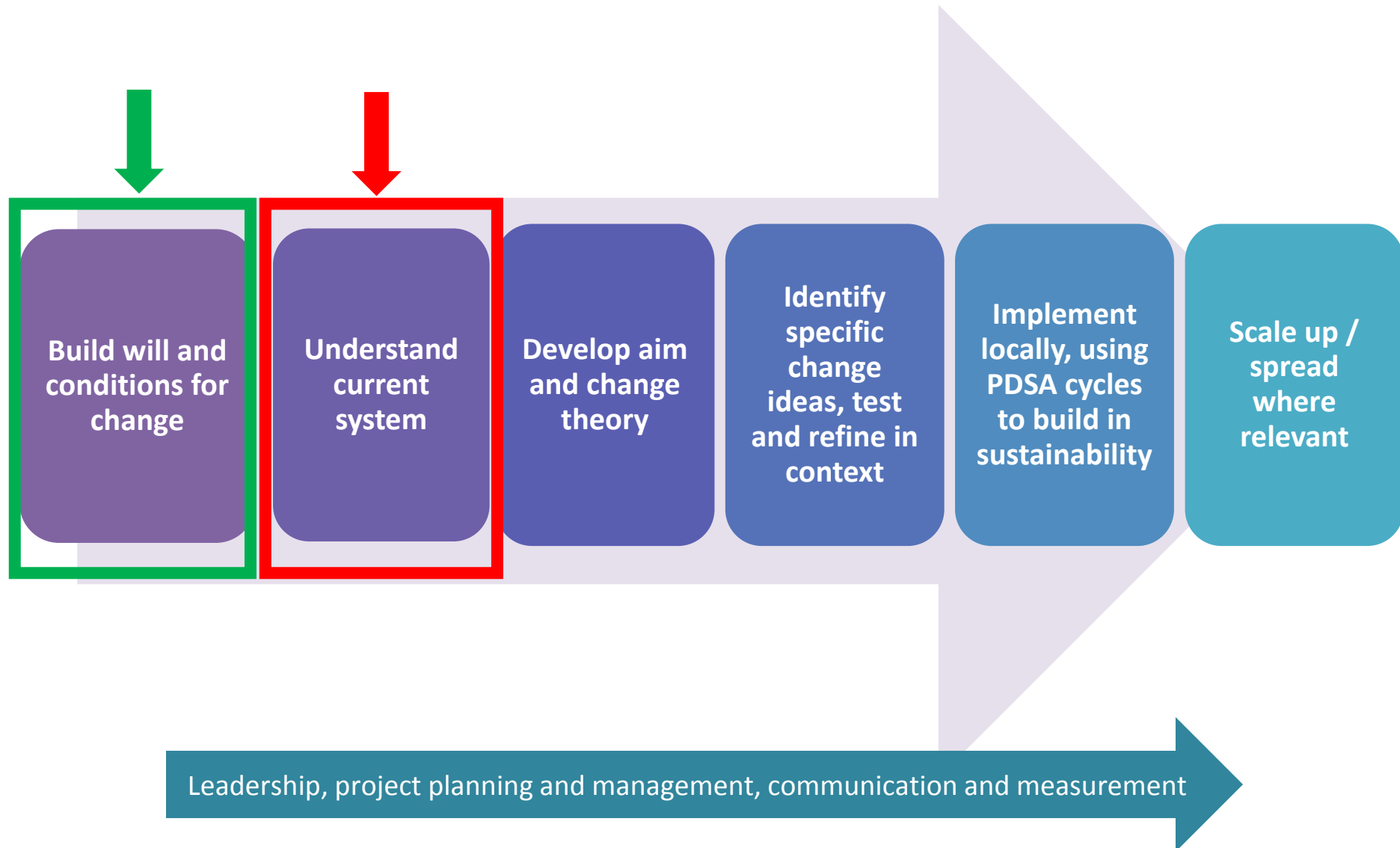
**Creating the
climate for
change**

3. Create a vision for change

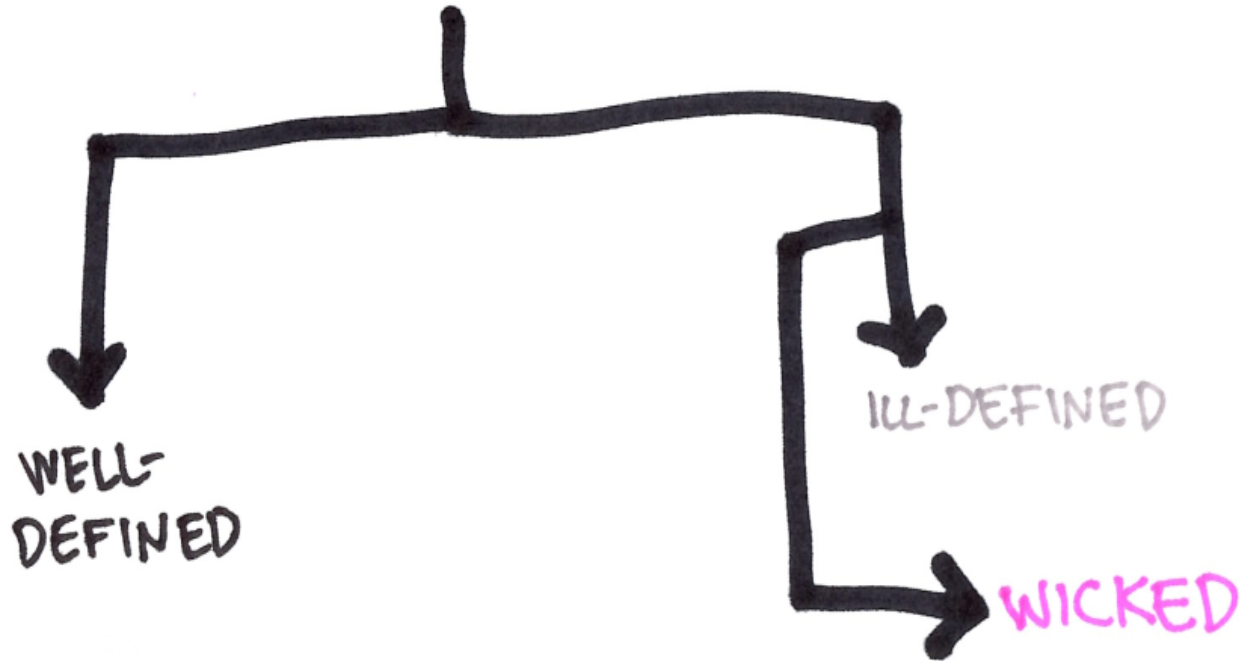
2. Form a powerful coalition

1. Create urgency

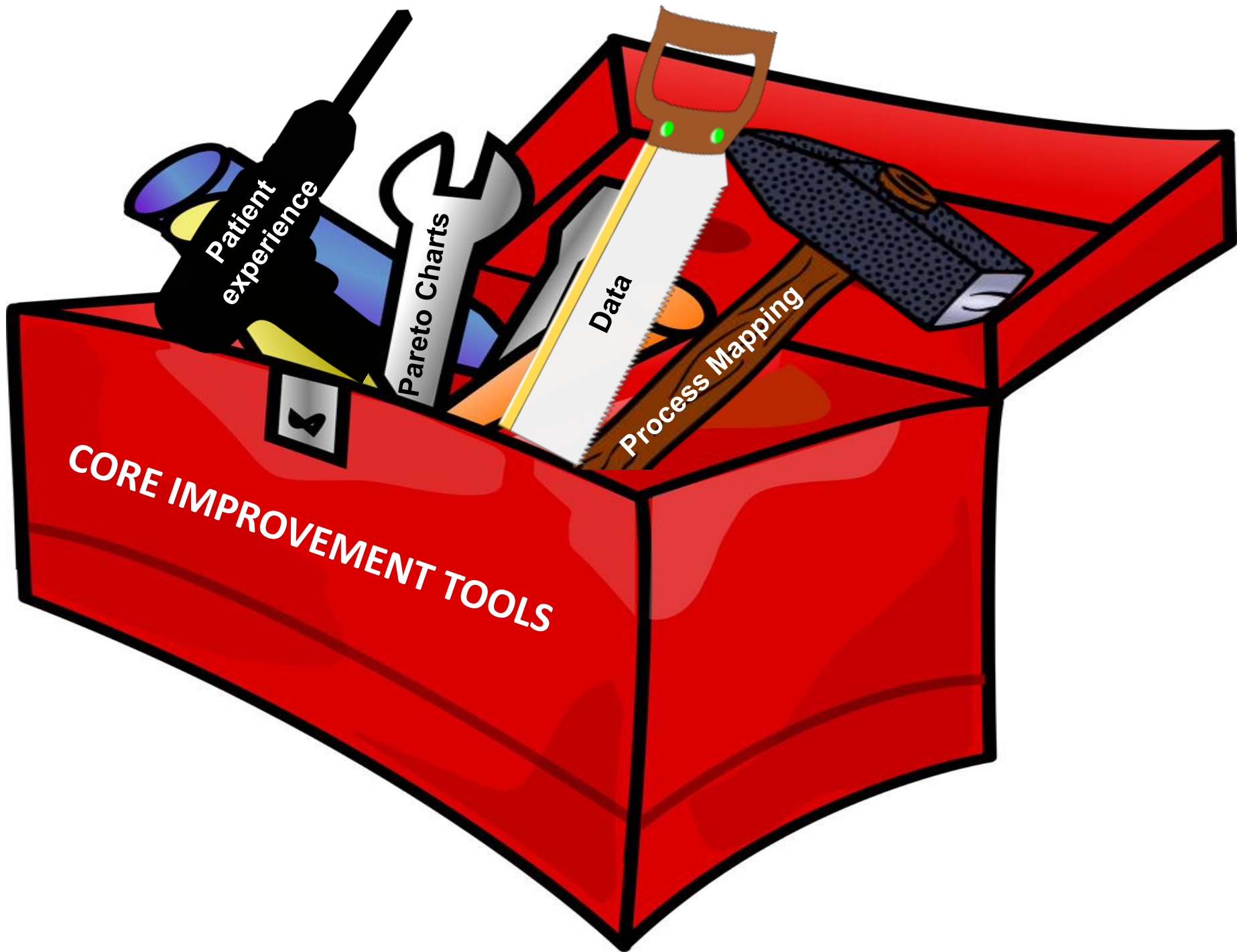
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PROBLEM*



* THORNDIKE, 1931: PROBLEM = WHERE THE ACTIONS NECESSARY TO ATTAIN GOAL(S) ARE NOT OBVIOUS.



CORE IMPROVEMENT TOOLS

**Patient
experience**

Pareto Charts

Data

Process Mapping

Technical Tools: Understanding a System



Process Mapping

Pareto Chart

Force Field Analysis

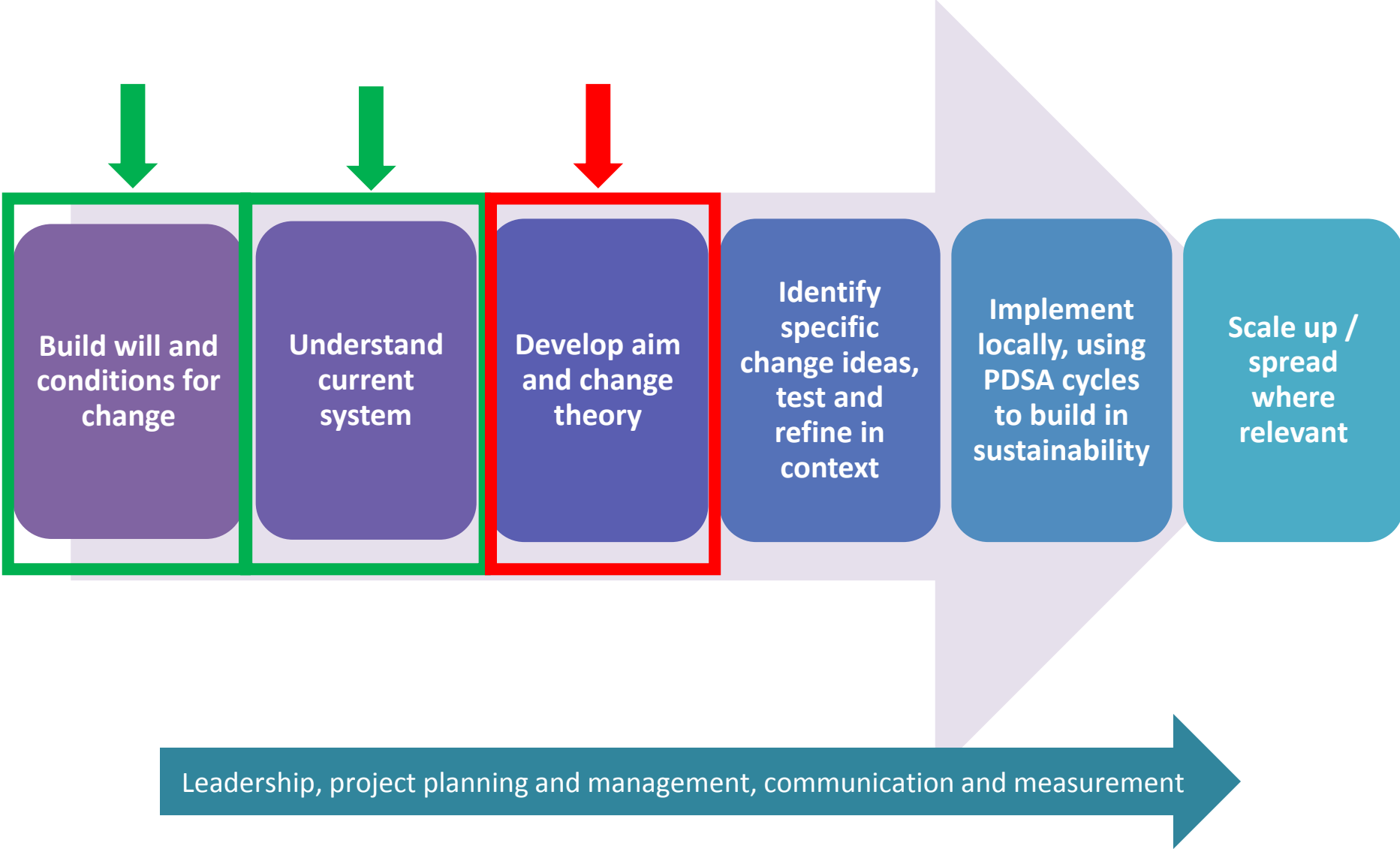
**Cause & Effect
Diagram**

Surveys

QI Zone: Improvement Tools

<https://learn.nes.nhs.scot/741/quality-improvement-zone>

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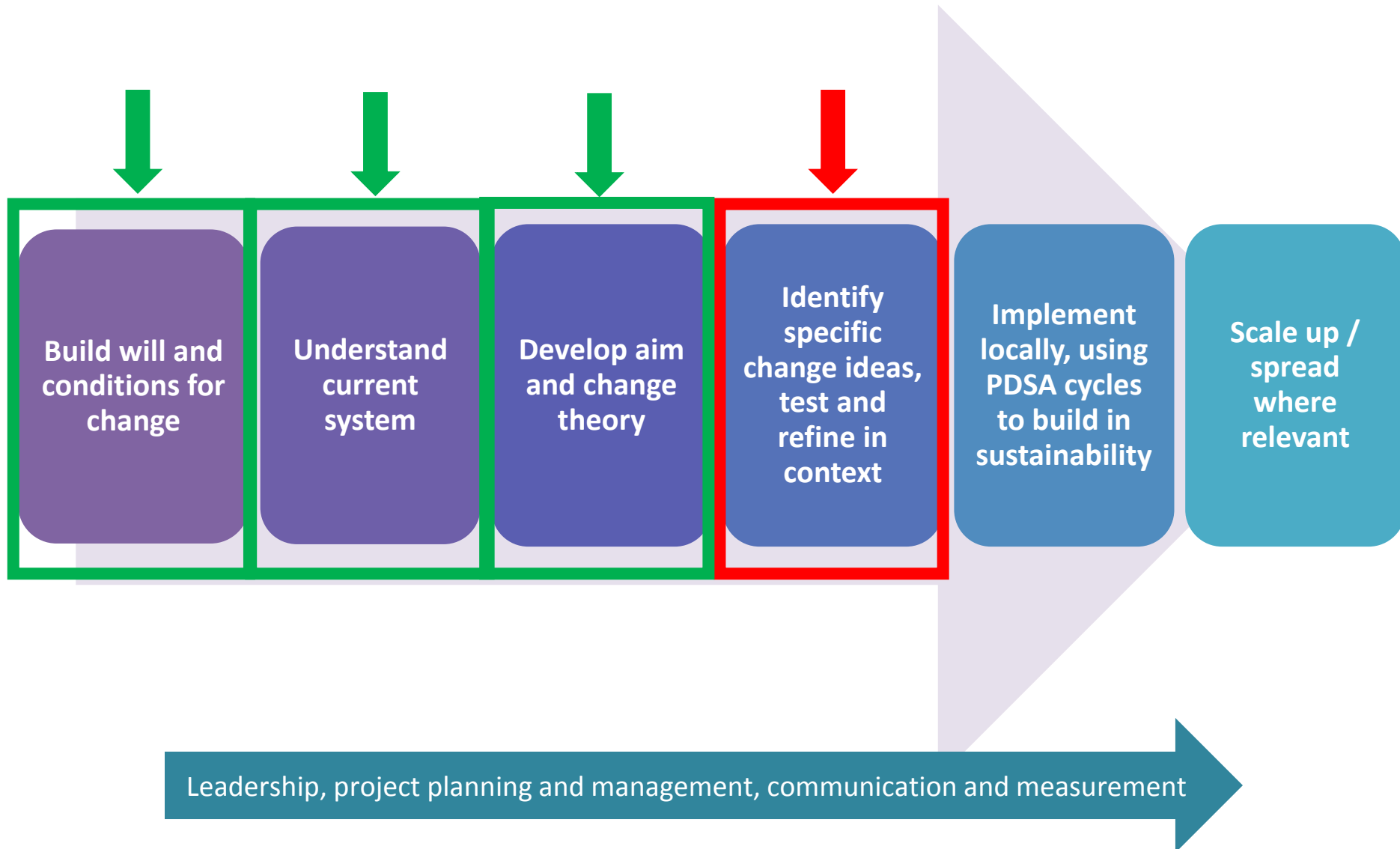


**By December 2018, there
will be a reduction of 50%
in the amount of GP time
spent issuing special
prescriptions**

**Increase awareness of
Acute Kidney Injury (AKI)
risks in patients in a
general practice and
reduce 'days between' AKI
with patients who have
existing chronic kidney
disease**

**100% of patients will have
an effective medicines
reconciliation completed
by practice staff and local
community pharmacy
within 3 working days of
discharge from hospital**

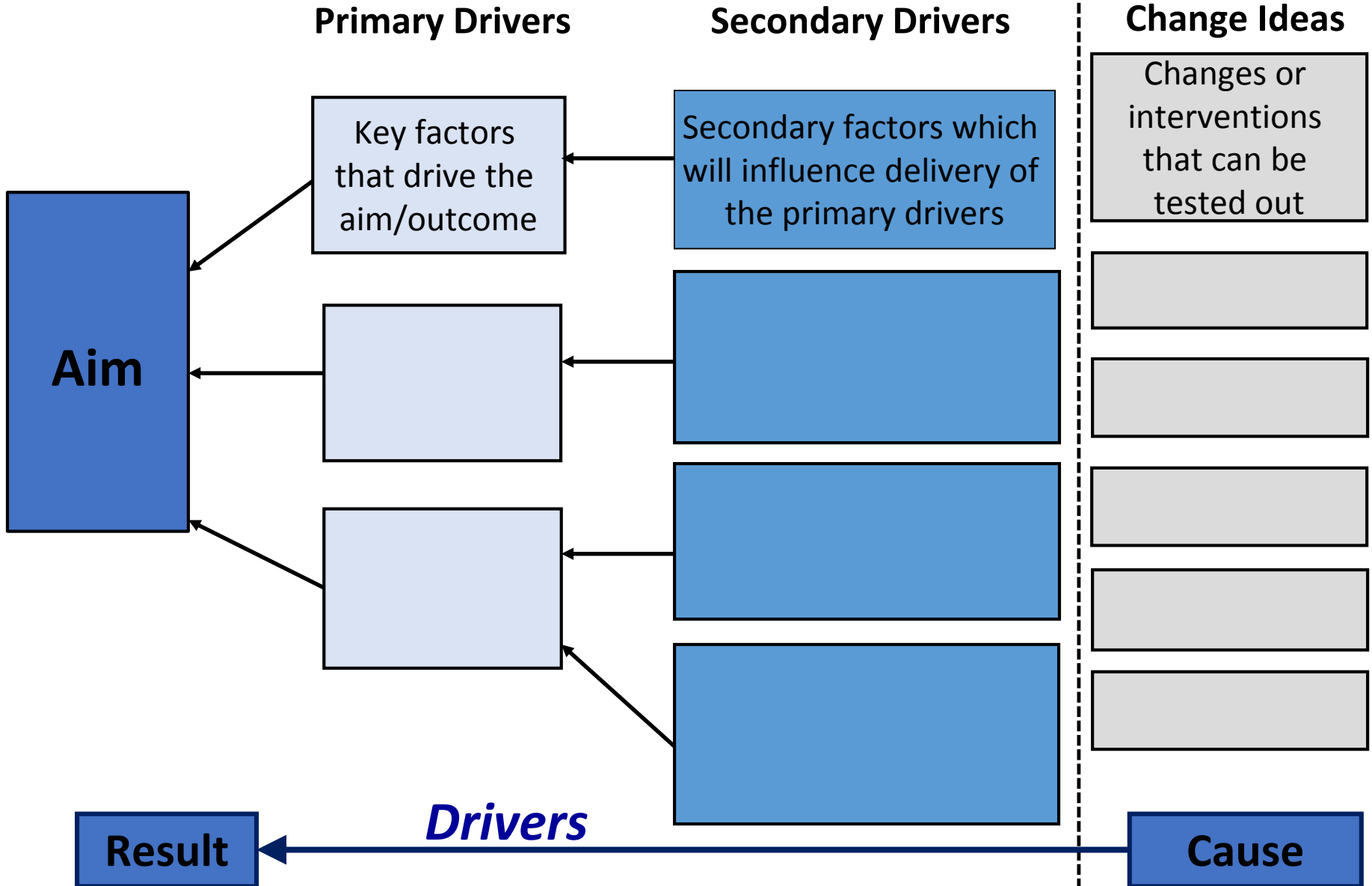
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Driver diagrams

Driver Diagrams

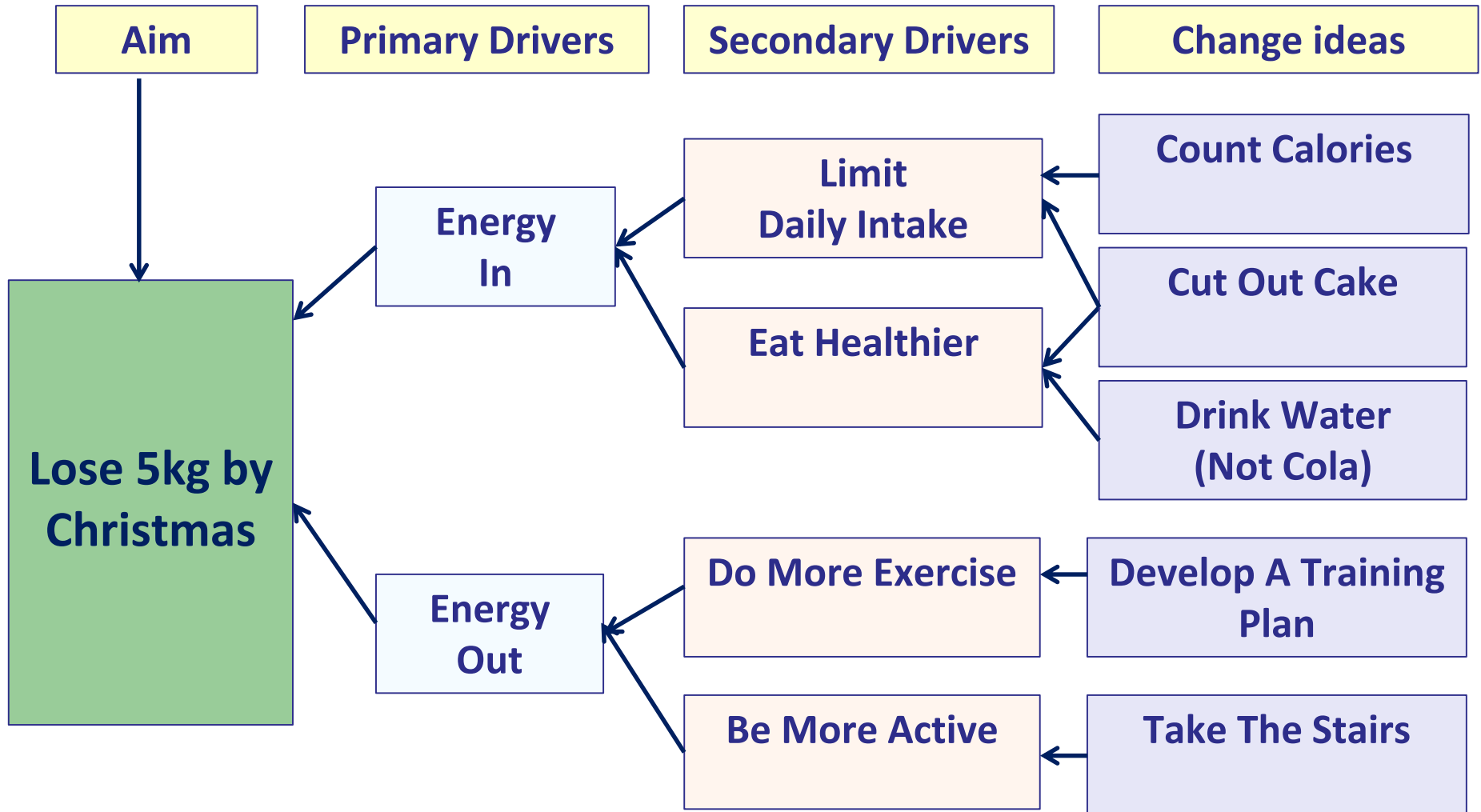




Change ideas:

These are the specific ideas that teams can test to see if they influence the secondary drivers and ultimately the aim

Driver Diagram: Individual Example



Driver Diagram: Service Example

At primary care practice X increase by 20% the number of patients offered an appointment within 24hrs by end Dec 2019.

Reduce "Did Not Attends"

Match Capacity To Demand

Shape Demand

Enable access through improved appointment booking process

Make it easier to cancel an appointment

Issue effective reminders

Offer more convenient surgery times

Schedule appointment types to fit day or time of demand (e.g. "long" appointments, "same day" appointments)

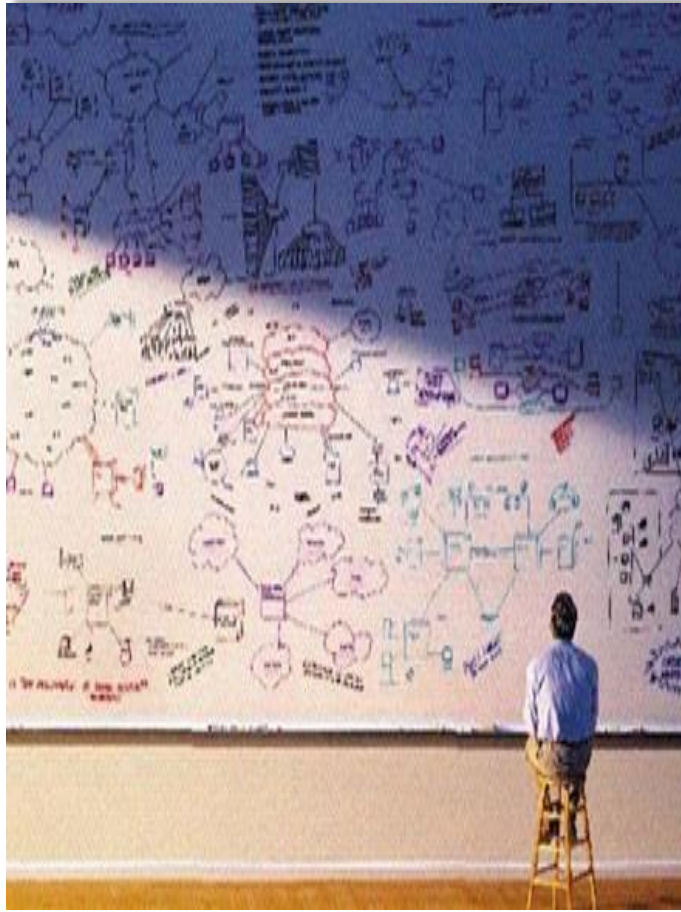
Schedule appointment types to fit patient health needs (e.g. short slots for monitoring, nurse/doctor)

Use more effective telephone triage to reduce face-to-face GP bookings

Strengthen the contribution of local pharmacists

Encourage attendance at "shared" appointments (e.g. smoking cessation)

Driver Diagram: Theory into Practice



There's too much!

Where do I start?

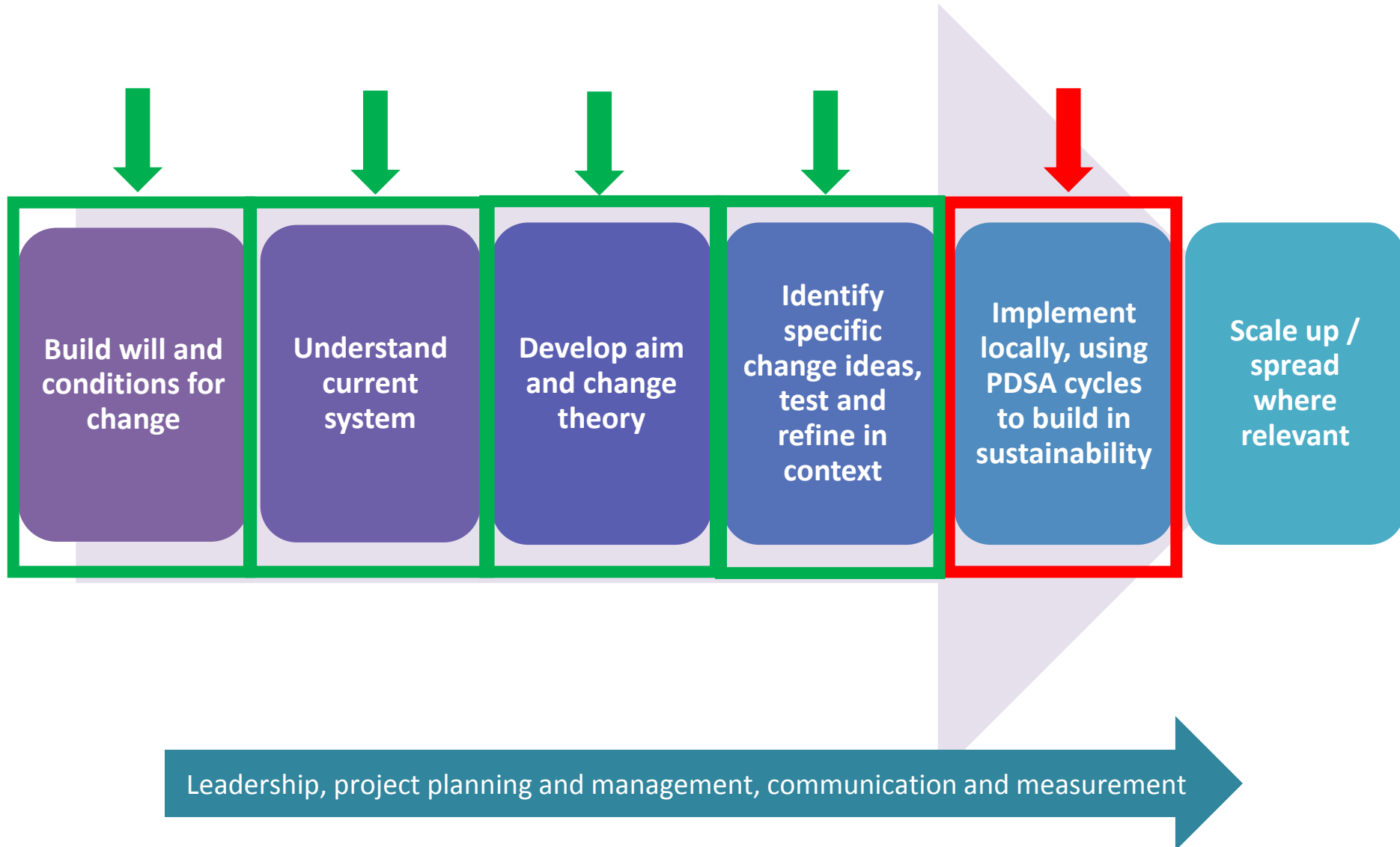
The main change is too expensive/complex.

I have no influence to change the thing(s) that matter.

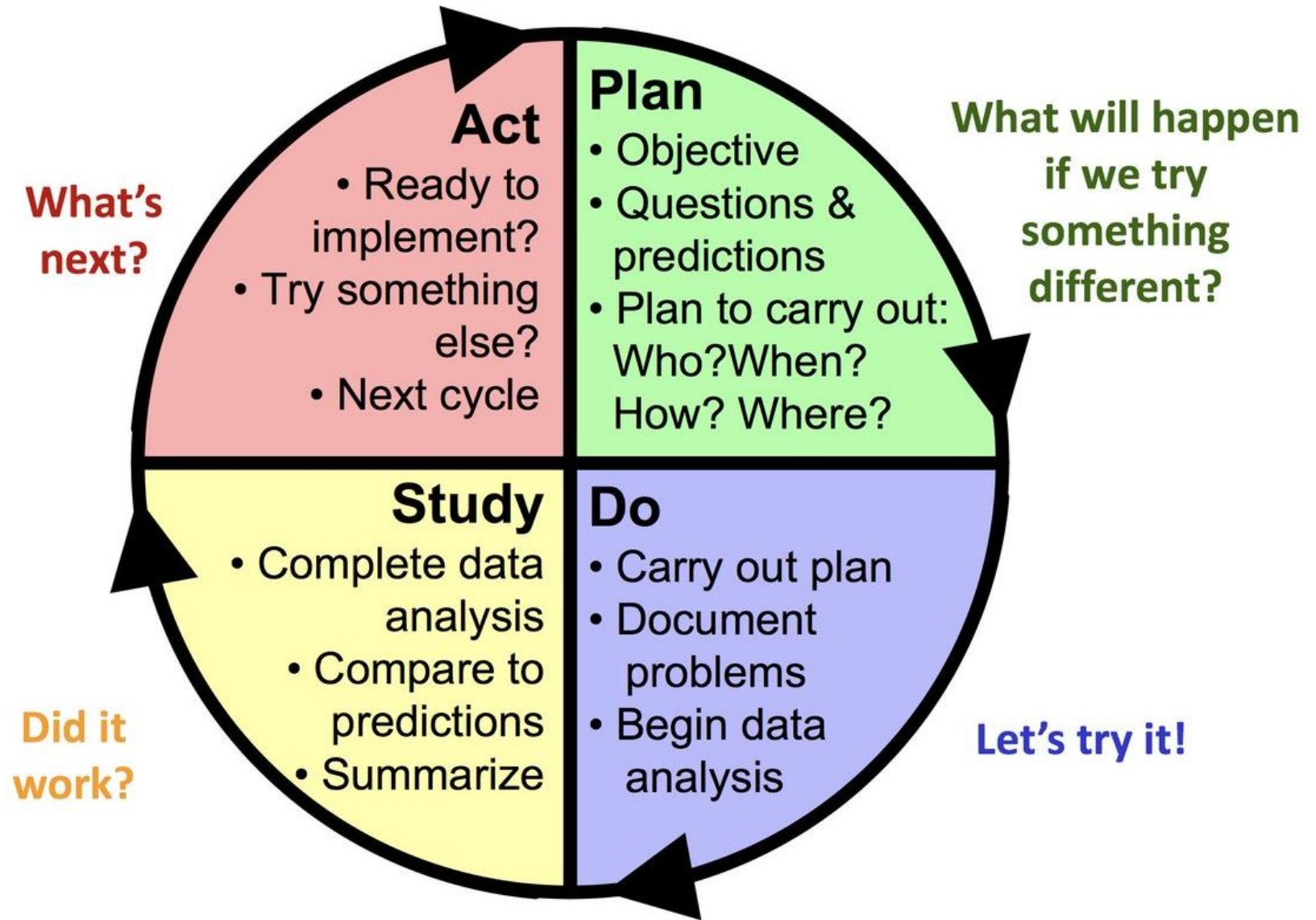
Why don't we just identify change ideas?

I want it done right (my way).

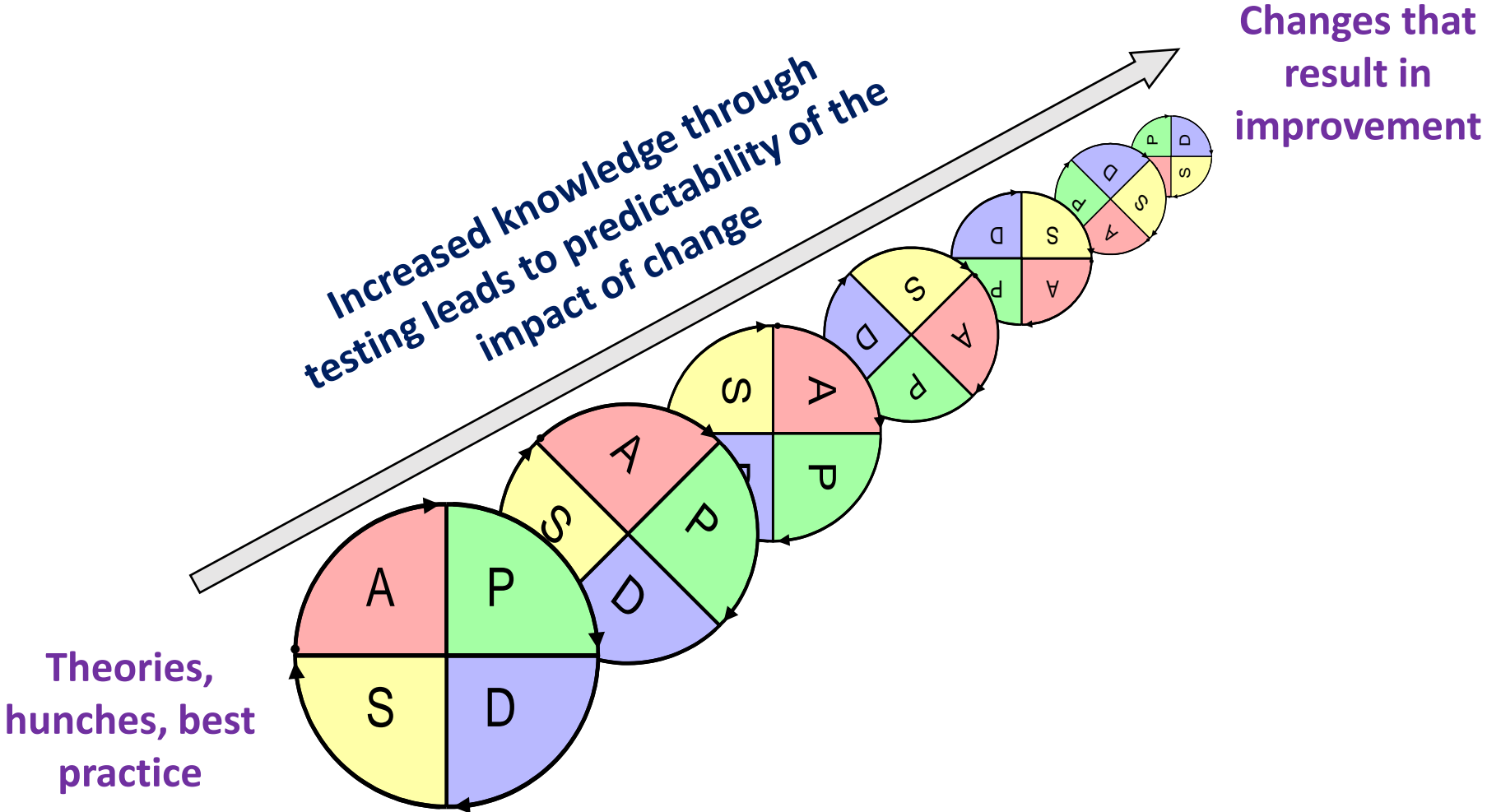
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PDSA Cycles



Small sequential tests to build knowledge and ability to predict







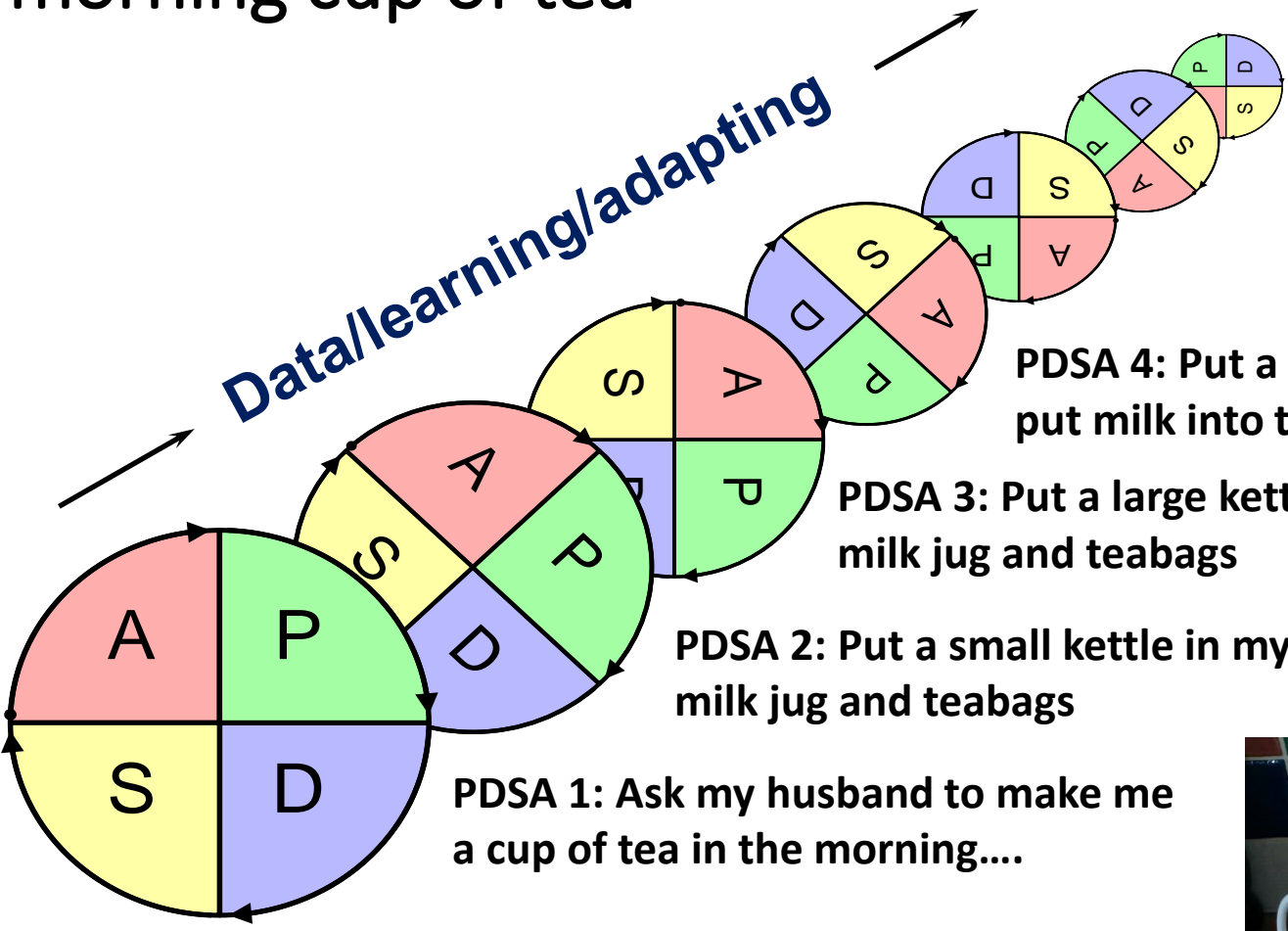


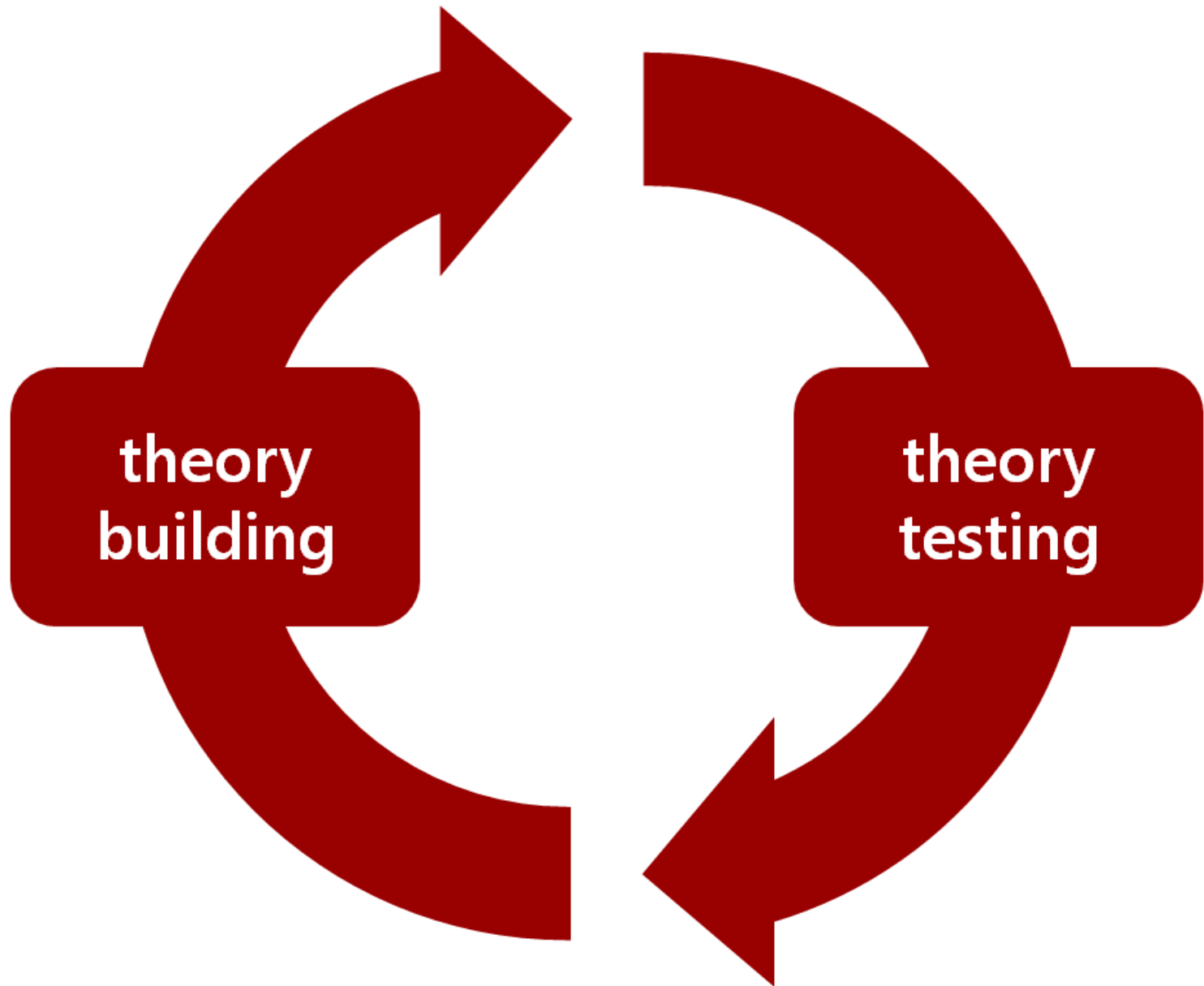
Meet 'Archie' – Scotland's National QI dog



Curious and ready to investigate..

Testing cycles for Laura's morning cup of tea





PDSA Cycles: Deciding on Scale

		Current commitment within organisation		
BELIEF	COST OF FAILURE	No commitment	Some commitment	Strong commitment
Low degree of belief that change idea will lead to improvement	Cost of failure large	Very small scale test	Very small scale test	Very small scale test
	Cost of failure small	Very small scale test	Very small scale test	Small scale test
High degree of belief that change idea will lead to improvement	Cost of failure large	Very small scale test	Small scale test	Large scale test
	Cost of failure small	Small scale test	Large scale test	Implement

Source: *The Improvement Guide*, page 146



**Which
coins do
you
have?**



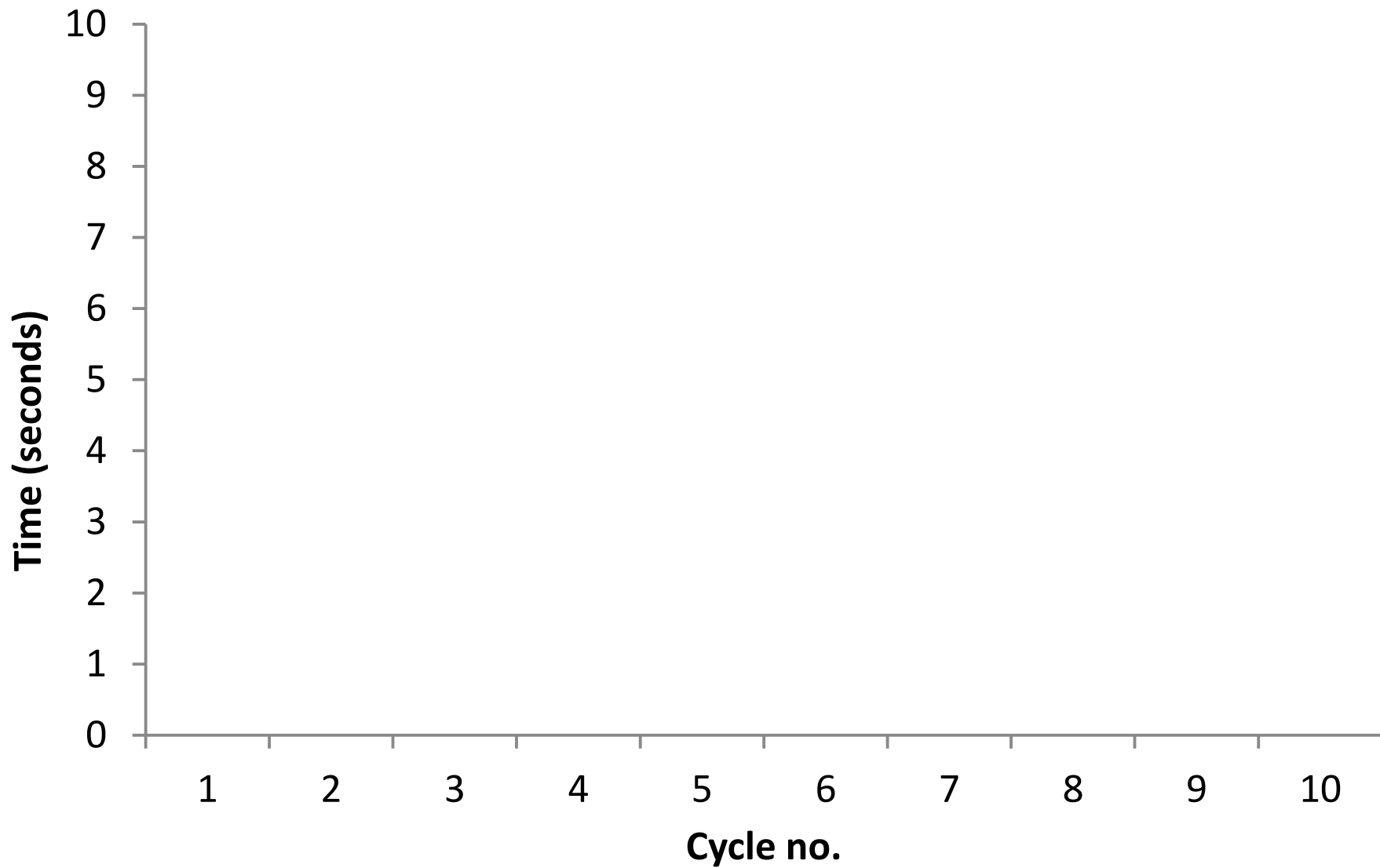
Aim:

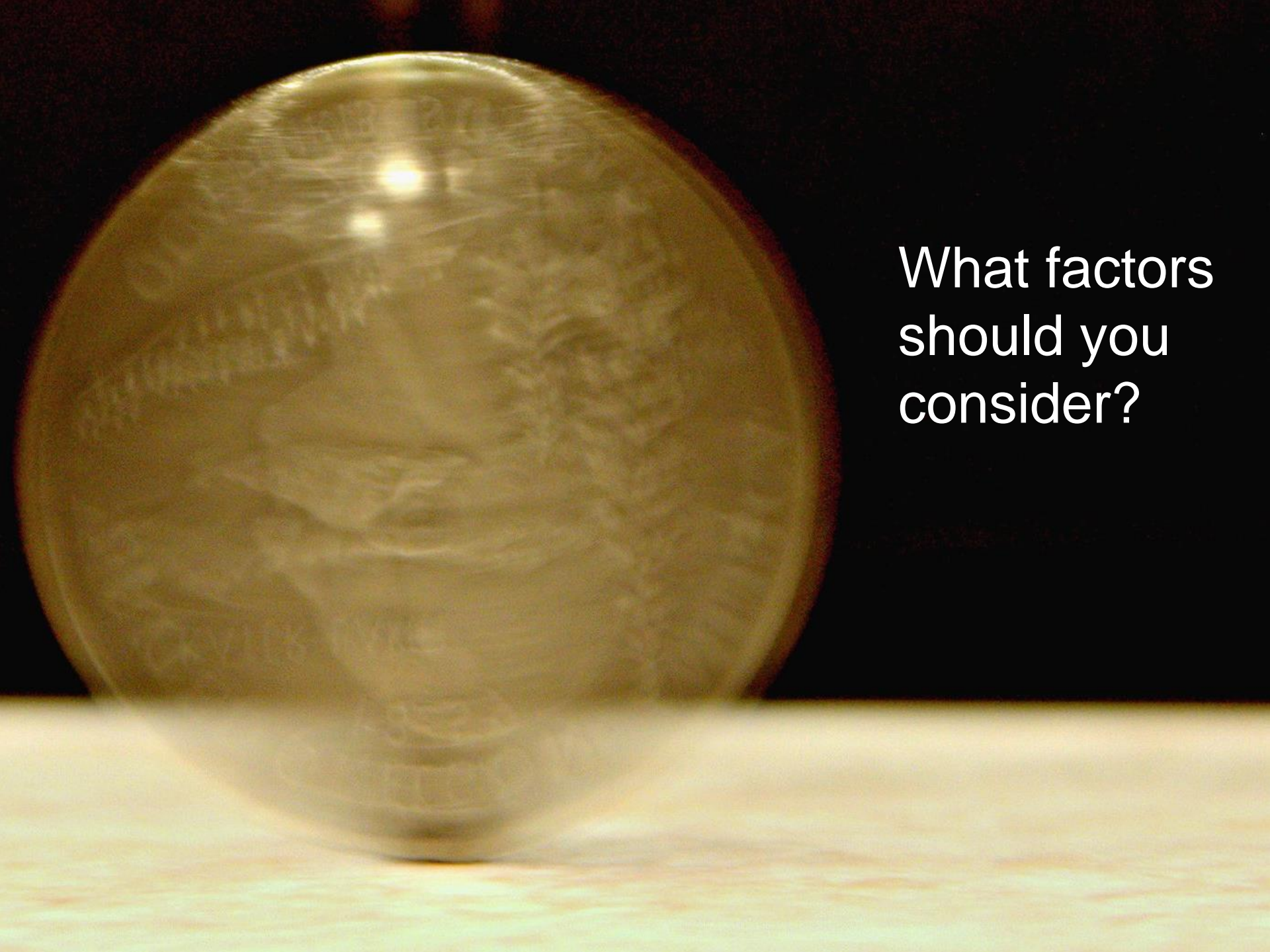
By the end of
this session to
spin a coin
continuously for
10 seconds.

Cycle No.	Plan		Do		Study	Act
	What is your theory? Questions?	Prediction	What do you see?	Time	What have you learned?	What next?
1						
2						
3						
4						
5						



Duration of coin spin



A large, textured, golden sphere, possibly a globe or a decorative object, is positioned on a white surface. The sphere has a metallic, brushed-gold appearance with some darker, reddish-brown tones at the top. The background is dark, and the lighting creates a bright highlight on the top of the sphere. The text "What factors should you consider?" is overlaid on the right side of the image.

What factors
should you
consider?

Simulation: key points

Gain knowledge through testing

Tests should be small, rapid and sequentially

Tests require a theory and a prediction!

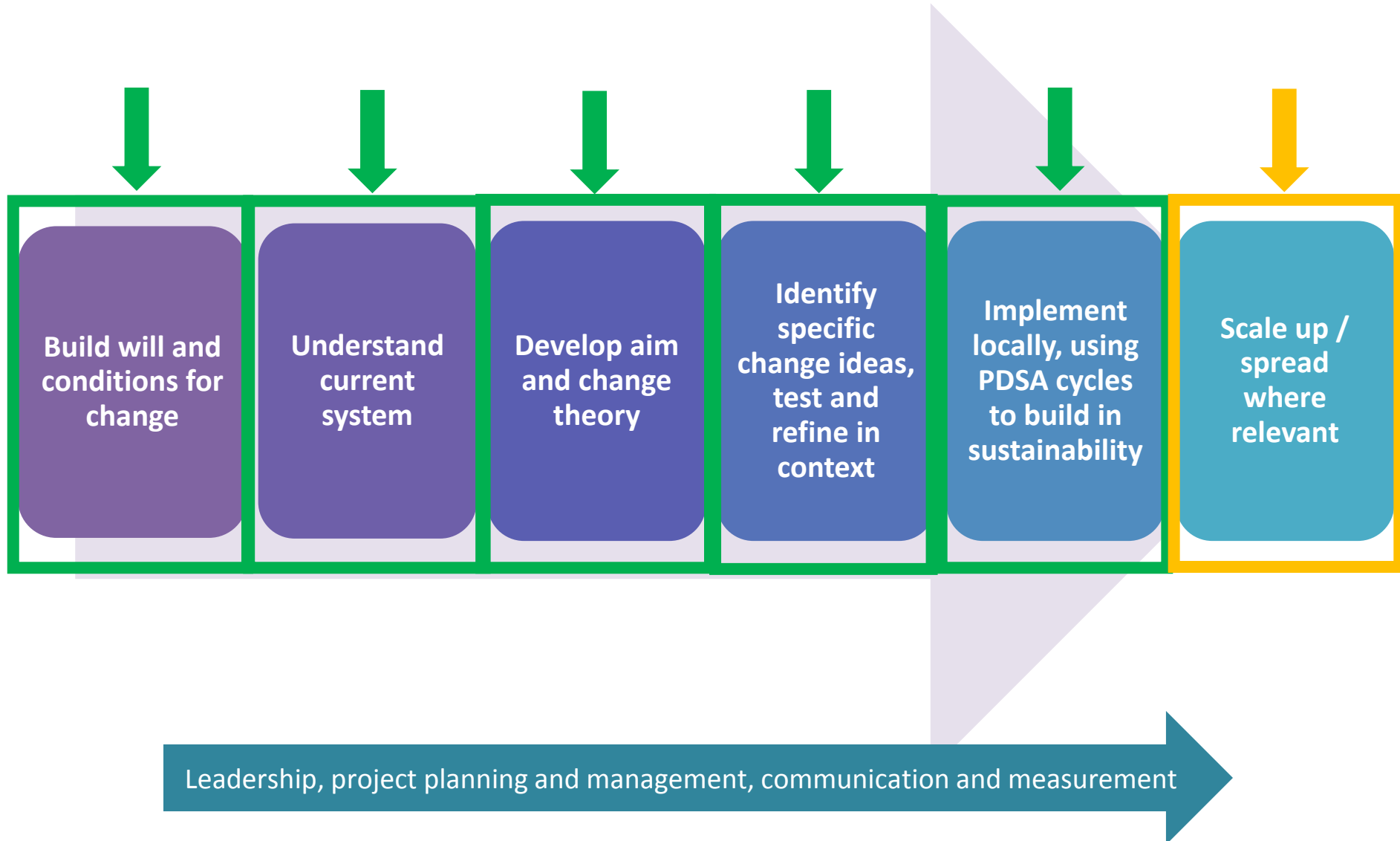
Review after each test

Learn from others

Measurement does not have to be hard & aids learning



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Time for a well deserved.....

