

Innovation



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# Aims and Objectives



## Overview

The innovation pathway

Types of innovation



## Objectives

To know that there are many different types of innovation

To understand that innovation is a process

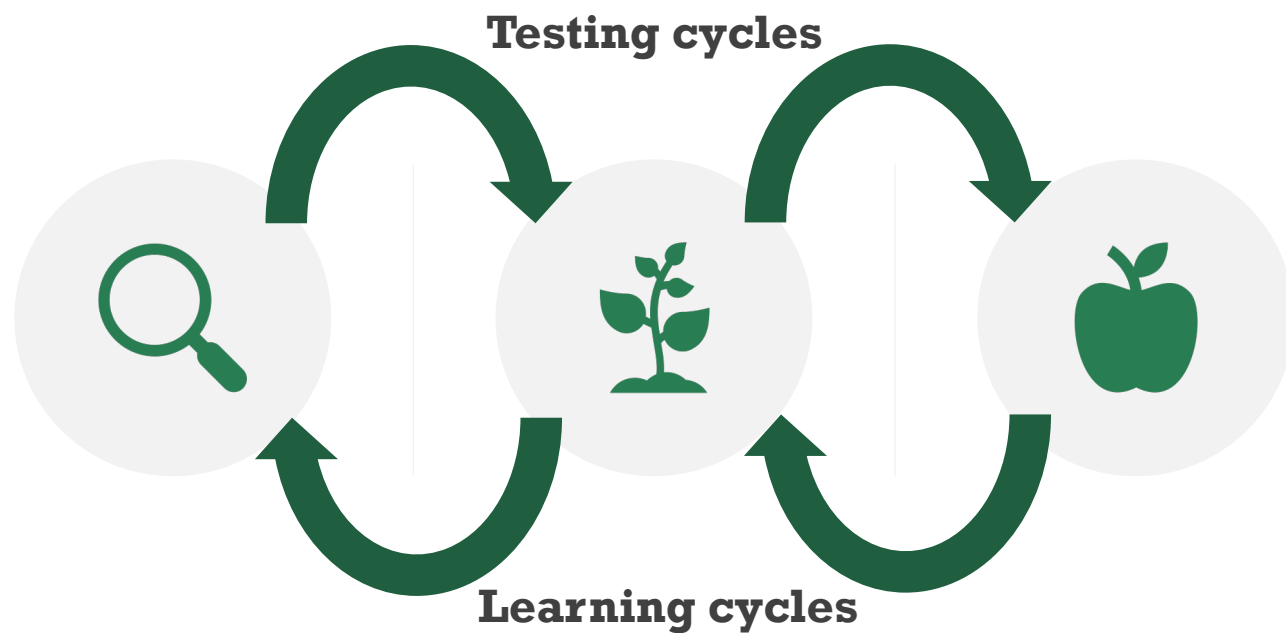
To assess different access points along the process



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# What is an innovation process?



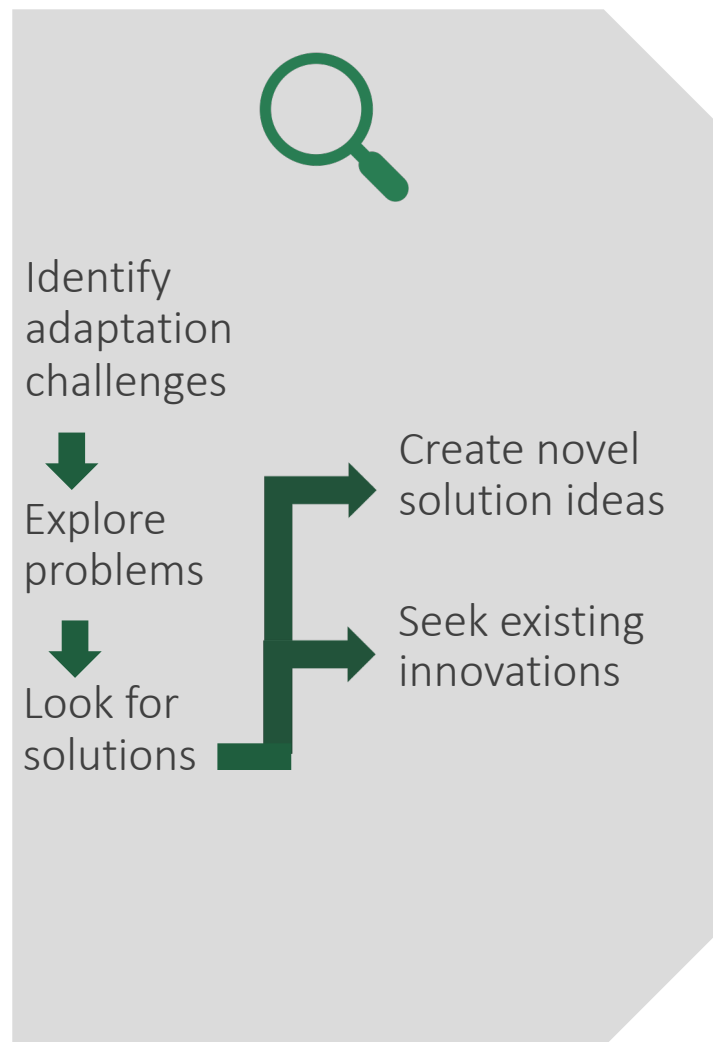
Innovation is an on going process of scoping, testing, engaging, learning, and scaling.



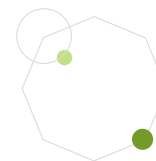
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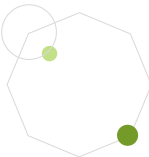
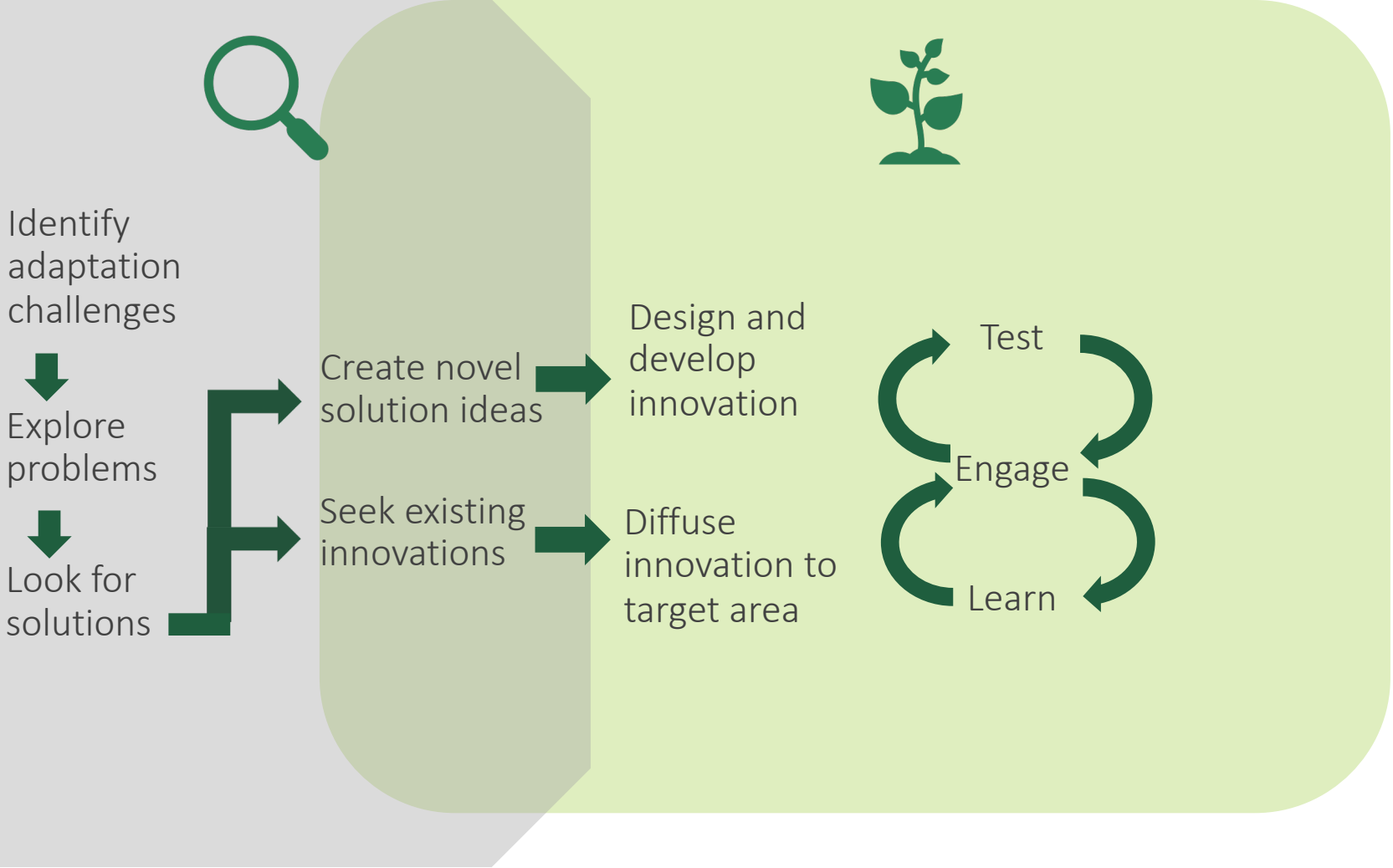
# Stages of innovation



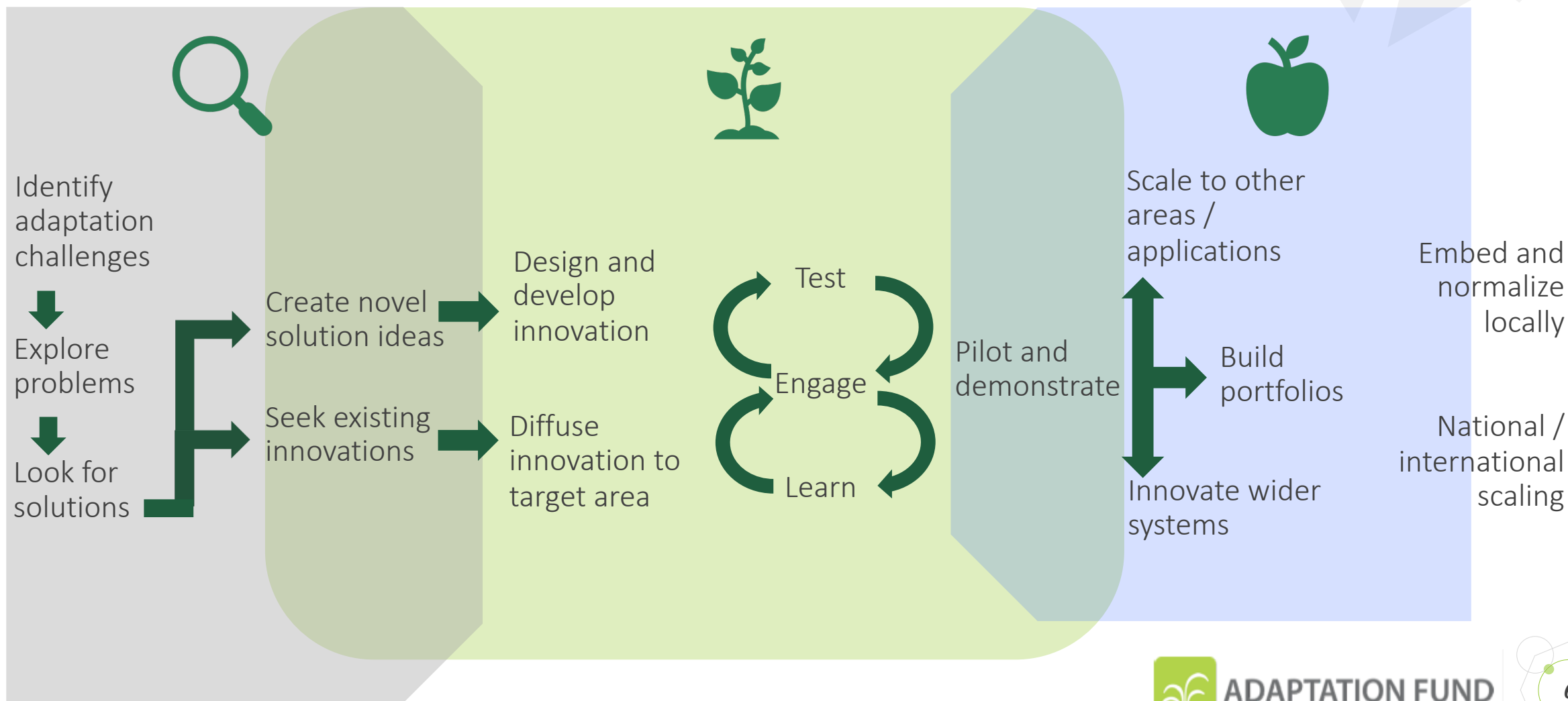
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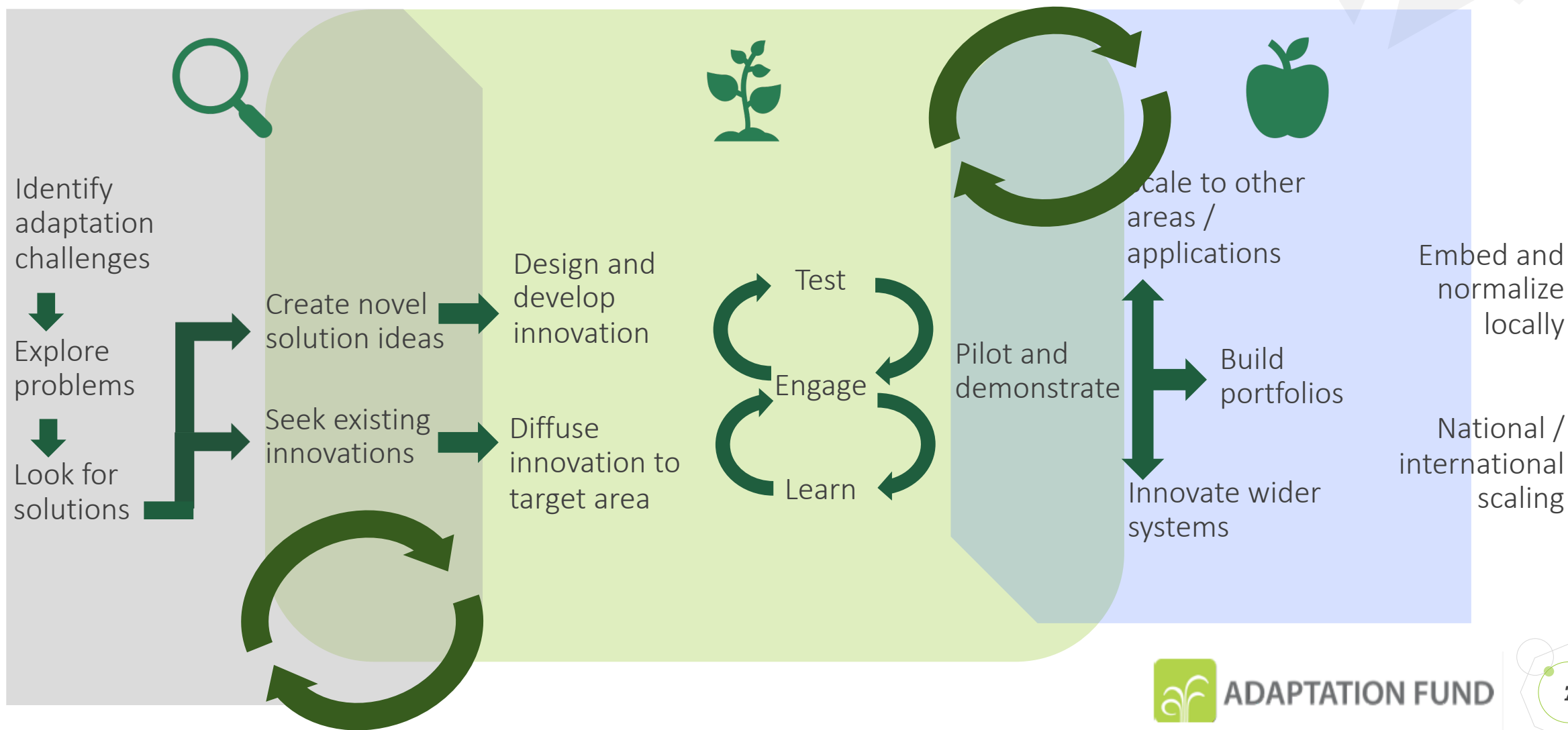
# Stages of innovation



# Stages of innovation



# Stages of innovation





# Innovation definition

**Creating, testing, deployment or diffusion** of new, adapted or improved adaptation solutions developed contextually with the inclusion of communities most vulnerable to climate change, to enable them to become more resilient to climate change.



Innovation projects and programmes are characterized by:

- The nature of their **stakeholder engagement**, including with unconventional actors
- The emphasis on **iterative deployment** where change, learning, and new information is embraced and can take innovation projects and programmes in different directions.

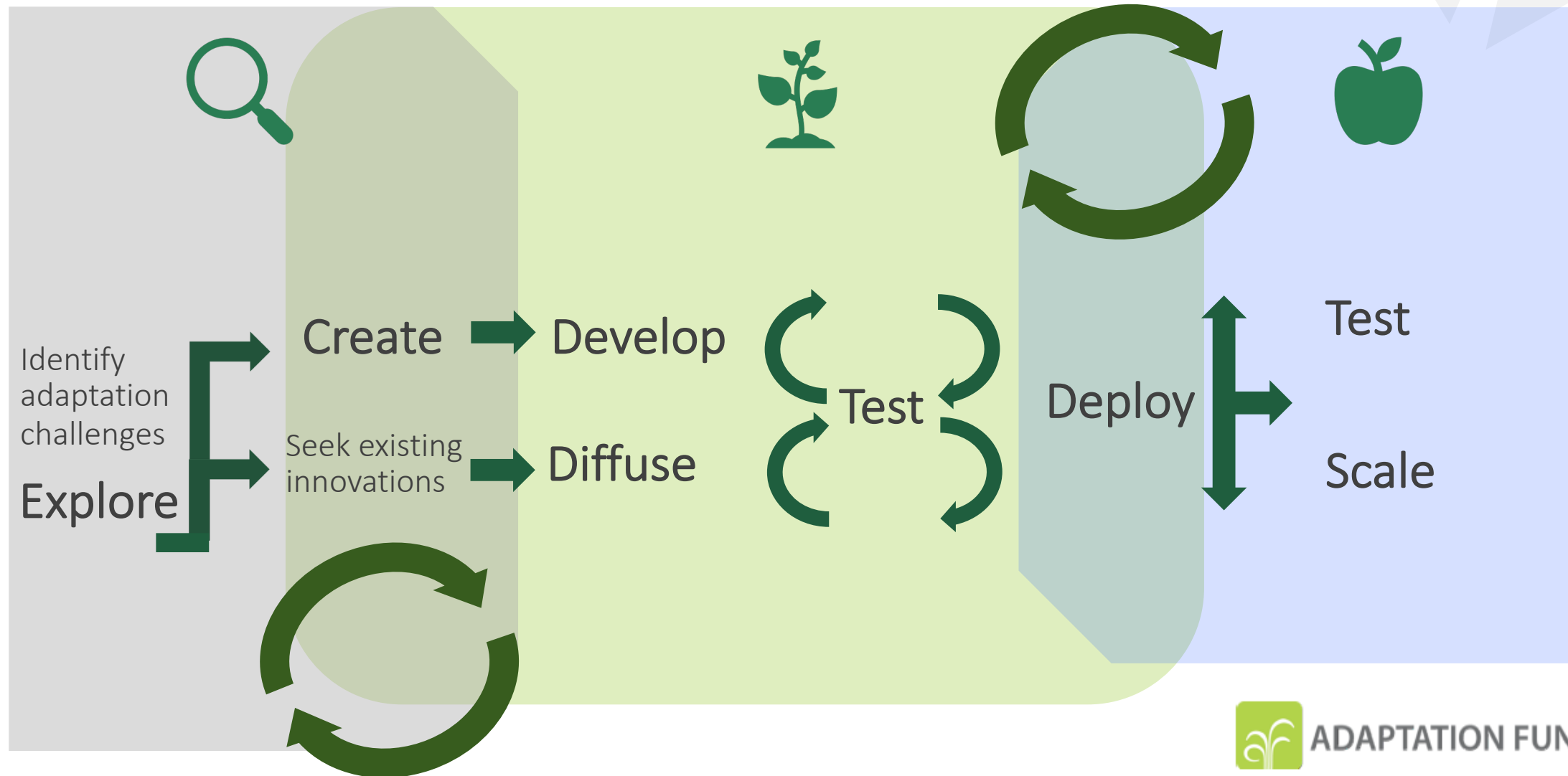


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# Creating, testing, deployment or diffusion



# Case Study – Building an Adaptation Innovation Cluster

1. **Map** existing innovation ecosystem, key actors, strengths, weaknesses.
2. **Identify** adaptation innovation challenges and opportunities
3. Bring stakeholders together to **co-design and test** *place-based experiments*
4. Issue Call for Proposals for delivery of the **experiments** – *find solutions, build expertise and capacity*
5. Review and Implement selected projects
6. **Conduct reviews** of progress/impact to continuously refine
7. **Engage investors** (local and international) to draw in finance for growth



# Adaptation Innovation Clusters – Examples of solutions



## **Climate risk data mapping for cities**

Resurgence.IO  
Kenya

Open-source data platform that provides climate risk planning data for cities around the world, such as Nairobi and Dar es Salaam.



## **Healthcare & cold storage**

Drop Access  
Kenya

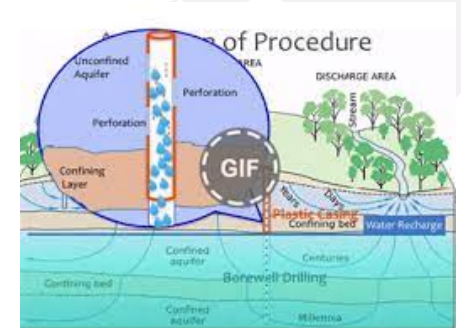
Solar-powered, battery operated, cold-chain storage technology for medical facilities operating in hot climate.



## **Satellite data for climate services**

Aumsat  
India

Precision-driven, satellite-based, AI-enabled hydrological analysis for locating, predicting, and forecasting groundwater zones.



## **Water management & soil health**

Bore Charger  
India

Borewells become more sustainable with improved irrigation, quality drinking water, and improved soil health by reducing the salination of soil.



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# Innovation vision

The Adaptation Fund will fund a broad range of projects and programmes underpinned by a strong innovation rationale, thus creating a **portfolio of diverse and locally appropriate innovation** projects and programmes.

It will support projects and programmes that **encourage multi-stakeholder partnerships** by including, amongst others: youth, women, disabled people, researchers, civil society, and the private sector.

It will support, amongst others:

- Rolling out and scaling up
- Acceleration of new adaptation practices, tools and technologies
- Evidence generation on the conditions that lead to successful innovation.

It will encourage, as part of an innovation approach **partnerships, iteration, learning and adaptive management**



# Types of innovation



Transformational or disruptive change

- E.g. repurposing land areas and creating novel incomes



Low tech revival

- E.g. Traditional or ingenious tools repurposed



Application of something new to add value

- E.g bringing in an existing technology and adapting it to a new location

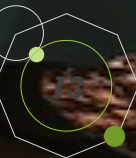


Process or social developments and changes

- E.g. new policy



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# Types of innovation

## Rehabilitating arboreal farming



Low tech revival innovation  
Nature based solutions



Encouraging agroforestry and  
improve soil fertility as adaptation innovation



Social development as social innovation  
Increase livelihoods



Iterative development as the innovation process  
Training on best practices

## Drones for Climate Adaptation



New technology into an area as application  
innovation



Monitor the region and  
collect data as process innovation



Activist and indigenous collaborations as  
stakeholder innovation



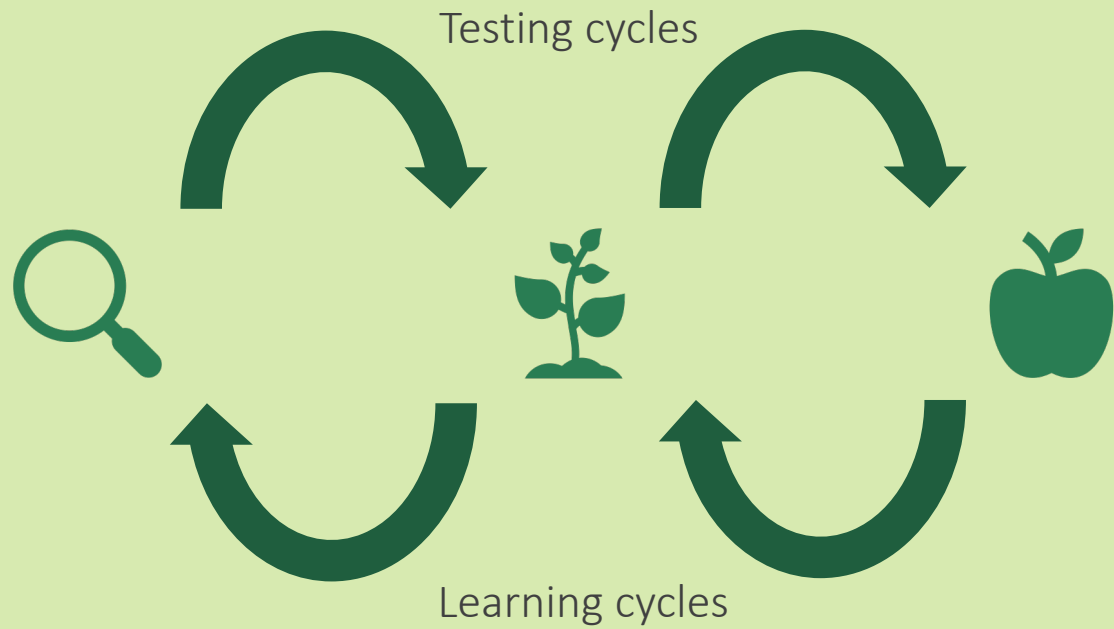
Support micro-finance as financial innovation



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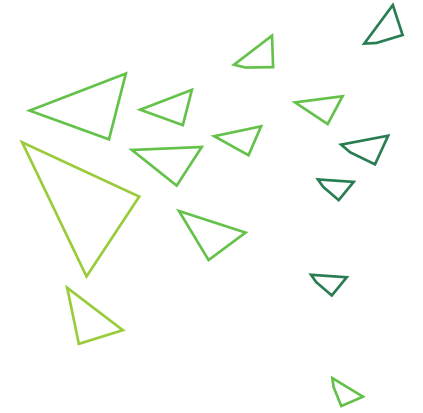






**Thank you**

Eleanor Saunders



## Innovation is a process

- Innovation is a looping pathway
- There are many types of innovation



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