



Data Sharing: Collaborative Data Synergies For Food System Transformation

KALRO Collaborative Data Initiatives

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A woman with dark hair, wearing a light blue short-sleeved shirt, is smiling as she harvests tea leaves in a lush green field. She is leaning over a large, woven wicker basket. The background is filled with dense green foliage and trees. The image is framed by a white border with green geometric shapes on the left side.

Chapter 1: **Introduction**

Introduction

KALRO is a Kenyan government agency responsible for agricultural and livestock research. The organization conducts research in various areas, including crop and livestock improvement, sustainable agriculture, natural resource management, and agribusiness.

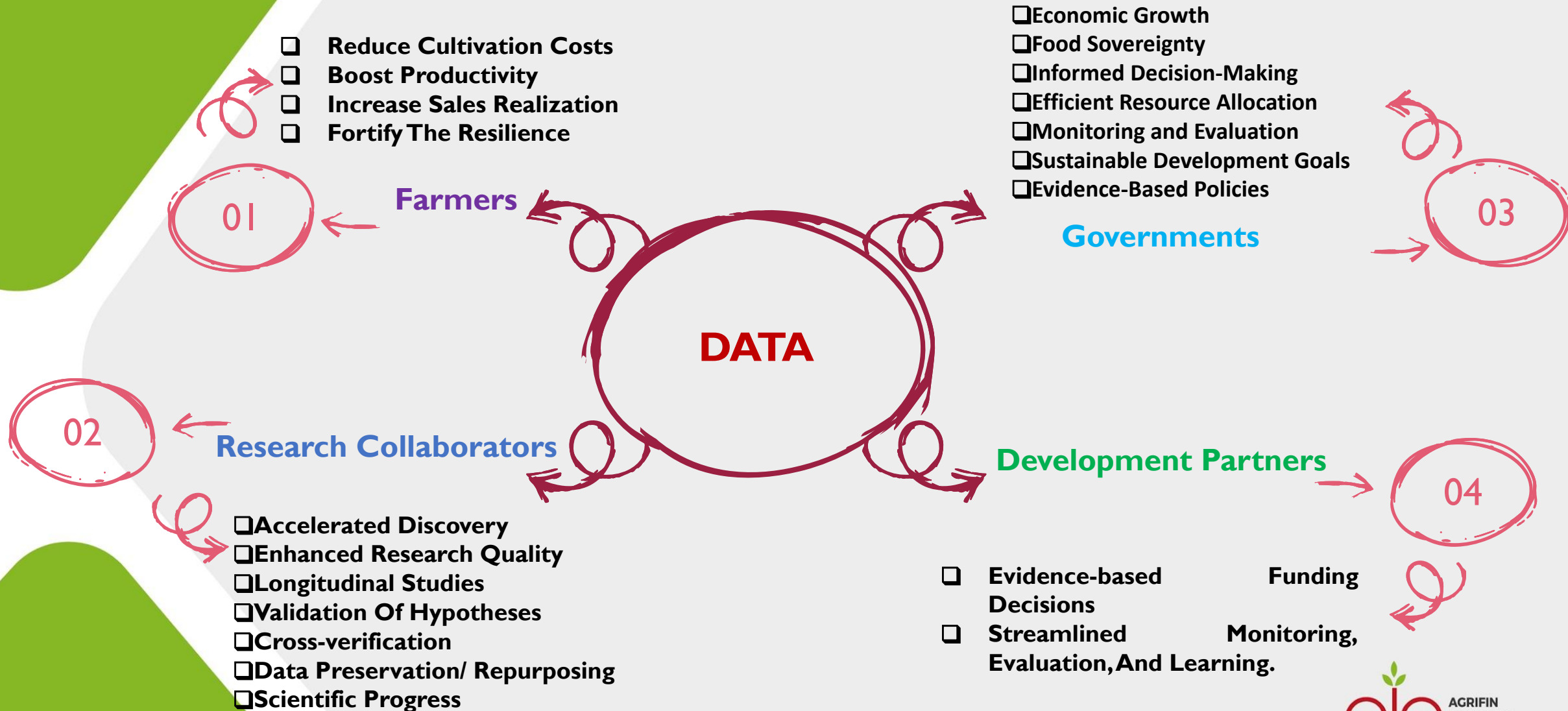
The mandate of KALRO as stated in the Act is to:

- a) Promote, streamline, coordinate, and regulate Kenya research in crops, livestock, genetic resources, and biotechnology;
- b) Promote, streamline, coordinate, and regulate research in crops and animal diseases;
- c) **Expedite equitable access to research information, resources, and technology and promote the application of the research findings and technology in the field of agriculture.**

Why Share Data?

- Data sharing is crucial for fostering collaboration, enabling informed decision-making, and advancing research and innovation in food systems.

Role Of Data - Transforming Food Systems





Chapter 2: Data Sharing and Collaboration

Strategic Collaborations

- ❑ To deliver on its core mandate of Expediting equitable access to research information. KALRO seeks and maintains partnerships with various stakeholders.
- ❑ **Some of these Stakeholders include:**
 - Other National and Regional Research Organizations
 - International Agricultural Research Centres (IARCs)
 - National/ International Universities
 - Development Partners
 - County Governments
 - Private Sector and Non-Governmental Organizations
 - Farmer Organizations, Faith Based Organizations, among others.

Impacts Of Collaborations



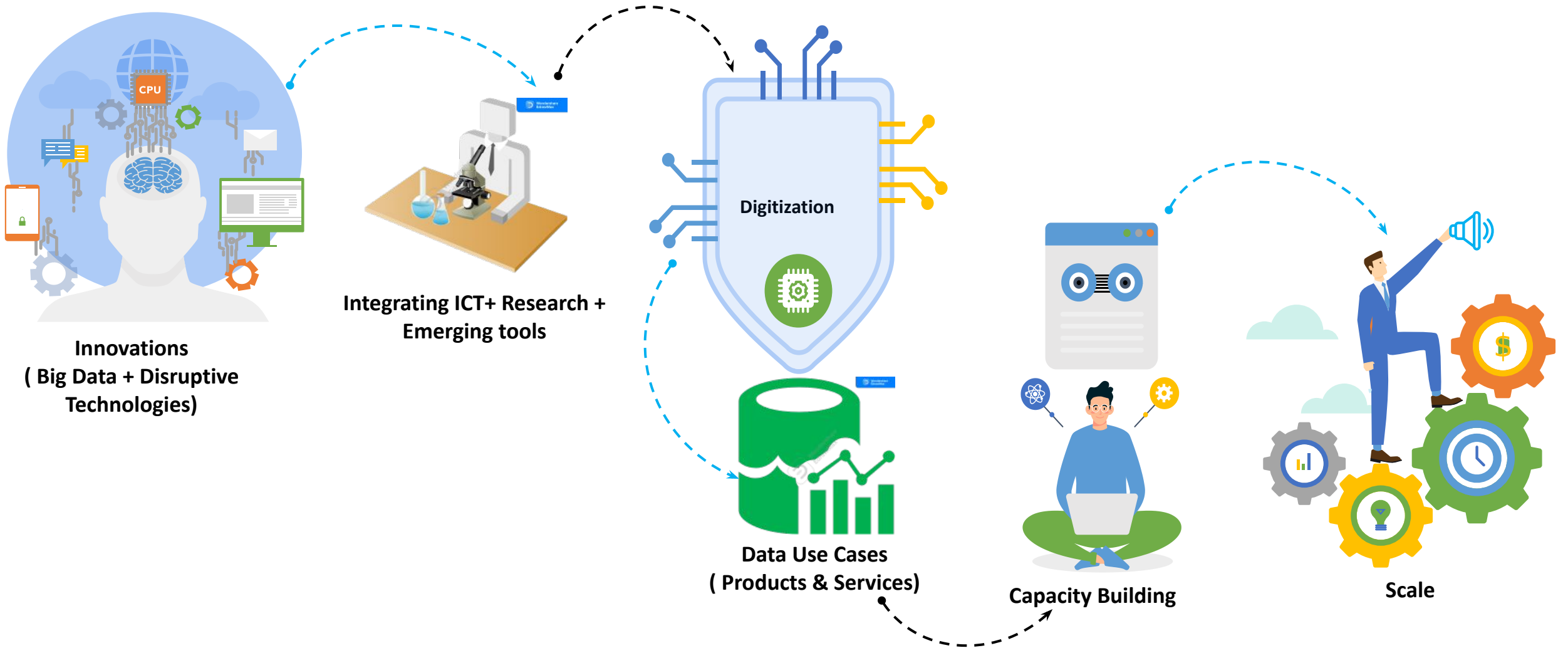
climate change
biodiversity conservation
enhanced food security
reduction of post
market access
value chain integration
economic growth
conflict resolution
harvest loss
knowledge sharing

Knowledge sharing
191620 1022



Chapter 3: Data Use Cases

Data Sharing: Where it Started



Data Sharing: Where are we!



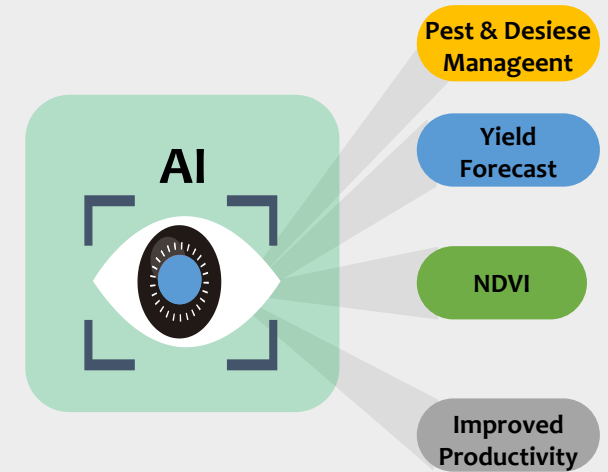
DIGITIZATION



INNOVATIONS



DISRUPTIONS



AGRICULTURAL INTELLIGENCE



Use-Cases For Data Sharing

Collaborations: Where are we

KAOP
Kenya Agricultural Observatory Platform

HOME ADVISORIES REGISTER FOR SMS

KENYA AGRICULTURAL OBSERVATORY PLATFORM

Creating valuable Insights for Farmers through Weather, Agronomics and Analytics

County Sub-County Ward

Select Your County Select Your Constituency Select Your Ward

GET AGRO ADVISORY

Use-Cases From Collaborations

Collaborations: Where are we

Home Datasets Participants Resources Use cases Login Register

Welcome to the Kenya Agricultural Data Sharing Platform (KADP)

Revolutionary approach to data exchange in agriculture by fostering collaboration between organisations and harnessing the power of collective data.

Get Started

- Connect, Share, Discover
- Unlock data insights
- Derive value from data
- Secured data exchange

Use-Cases From Collaborations

A smiling man wearing a straw hat and a plaid shirt is talking on a mobile phone. He is standing in a field with a herd of brown cows in the background. The scene is set outdoors with mountains visible in the distance under a bright sky. The image is framed by green geometric shapes on the left side.

Chapter 4: Challenges To Collaborating And The Opportunities For Data Sharing

Precision Agriculture

Crop & Pest Management

Market Access

Climate Resilience

Research and Innovation

Evidence-Based Decision Making

Capacity Building

Knowledge Exchange & Learning

Appreciate The Challenges To Collaborating

legal

resource allocation trust

sustainability accountability

ethical considerations technology integration

security

data privacy



As a society, we tend to do things
the way we've been taught
without questioning it.



*Thank
You!*