

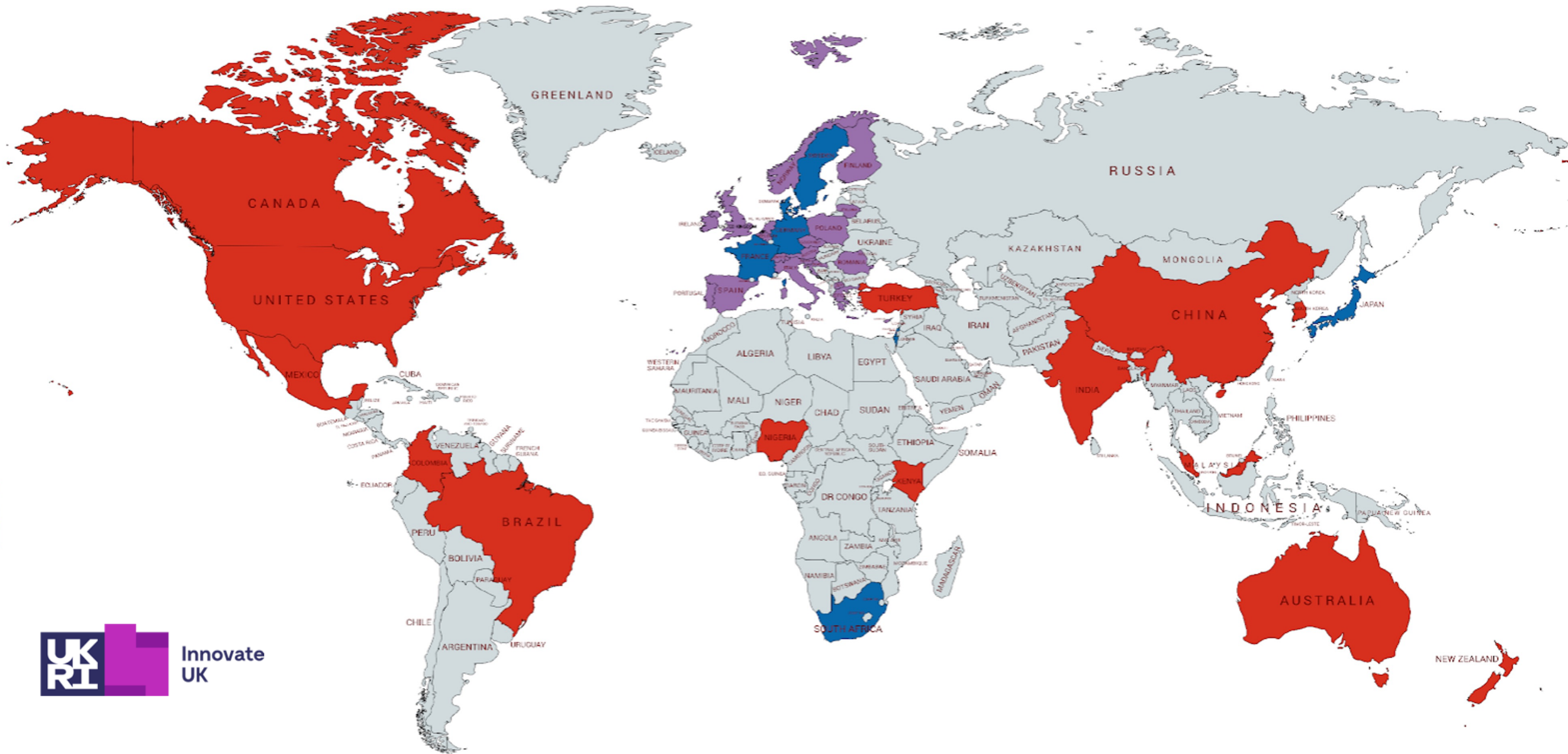


Innovate  
UK

# Global Alliance Africa



# Our Reach



# Global Alliance Africa



## UKRI

UKRI convenes, catalyses and invests in close collaboration with others to build a thriving, inclusive research and innovation system.



## Innovate UK

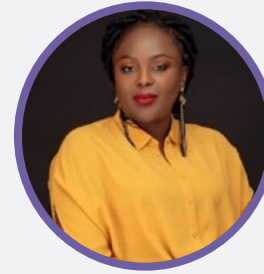
Innovate UK is the UK's national innovation agency. We support business-led innovation in all sectors, technologies and UK regions.



## Global Alliance Africa

Global Alliance Africa is a six-year project designed to strengthen and scale local innovation and business environments in Kenya, Nigeria and South Africa.

# Our Team



Innovate  
UK



Innovate  
UK

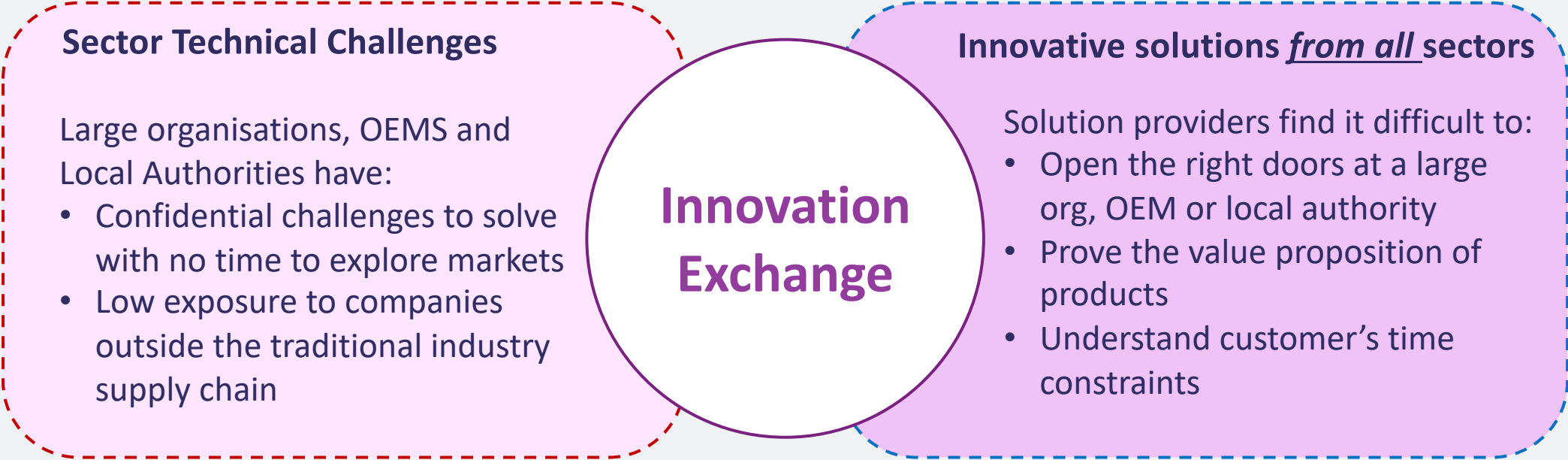
# Open Innovation





# Local Empowerment Through Collaboration

Innovation Exchange is a programme specially designed to introduce your company's challenges to the innovators who are already working on the solutions.



## Challenge Owners

## Solution Providers



Innovate UK



# Challenge Holders



# The iX process



## (1) Challenge translation

Identify and translate innovation challenges with KTN



## (2) Competition

Prepare and release competition to extended KTN and innovation networks



## (3) Solution selection

Filter and select responses by Solution Providers to the call



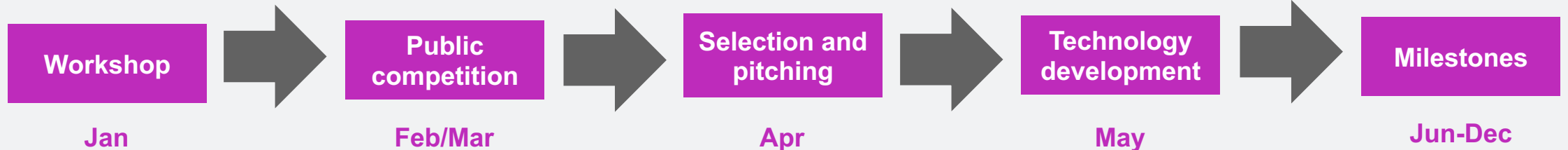
## (4) Relationship building

Engage with chosen companies and identify routes for technology development



## (5) Pilot project building

Run collaborative pilot project with KTN seed funding





# Benefits for Challenge Holders

## Supply Chain Strengthening

It helps build a route for greater and more diverse innovation content in supply chains

## Quick and simple exposure to new technologies and markets

KTN delivers technology solutions from areas to which challenge holders do not normally have exposure (both in- and cross-sector)

## Time efficient

It requires little time commitment, with the bulk of the resource and time provided by GAA

## Expertise at no charge

We are fully funded by the UK Government and there is no charge to you for our professional services

# Benefits for Solution Providers

## Immediate access to large business

Successful applicants will be given the opportunity to pitch their solution to the Challenge Holder

## Ongoing collaboration on project

The selected Solution Provider/s will collaborate with the Challenge Holder and gain access to local facilities, eg: farmland to carry out trials for piloting the solution

## Seed Funding provision

Up to GBP 25,000 seed funding to work on the solution for this specific challenge in collaboration with the Challenge Holder

## Pitching and development support

Support from KTN and mentoring from our development partners throughout the challenge process

# Global Alliance Africa Open Innovation Challenges

## Nigeria

### Hinckley

- Lithium-Ion battery second life
- Battery management systems

### TGI

- Crop protection from birds

### Animal Care

- Manure valorisation

### Berger Paints

- Expired paint valorisation

Hinckley Recycling  
Battery Innovation  
Challenges -  
Live Launch and Virtual Tour

29 Sep | 10:00-12:00 BST

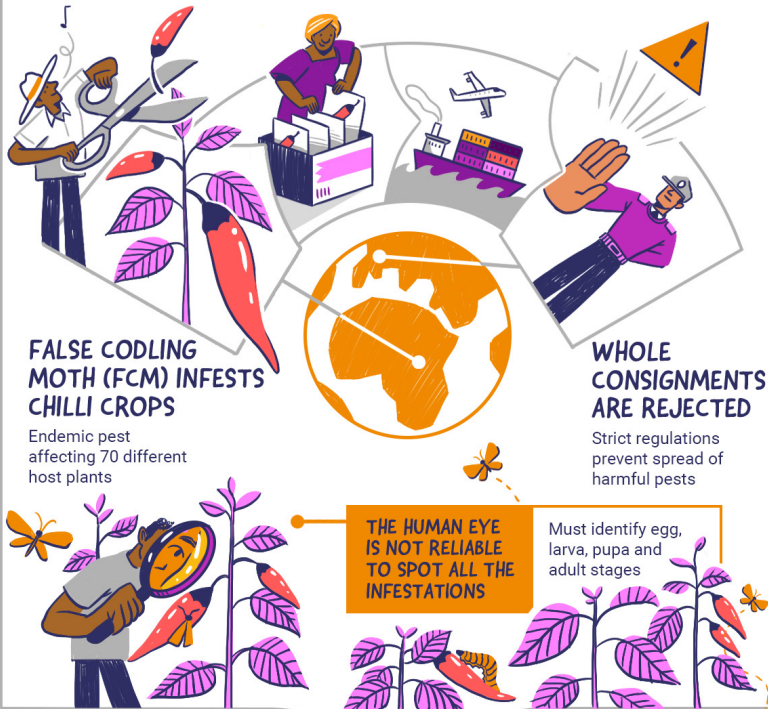




# DETECTION OF FALSE CODLING MOTH IN CROPS

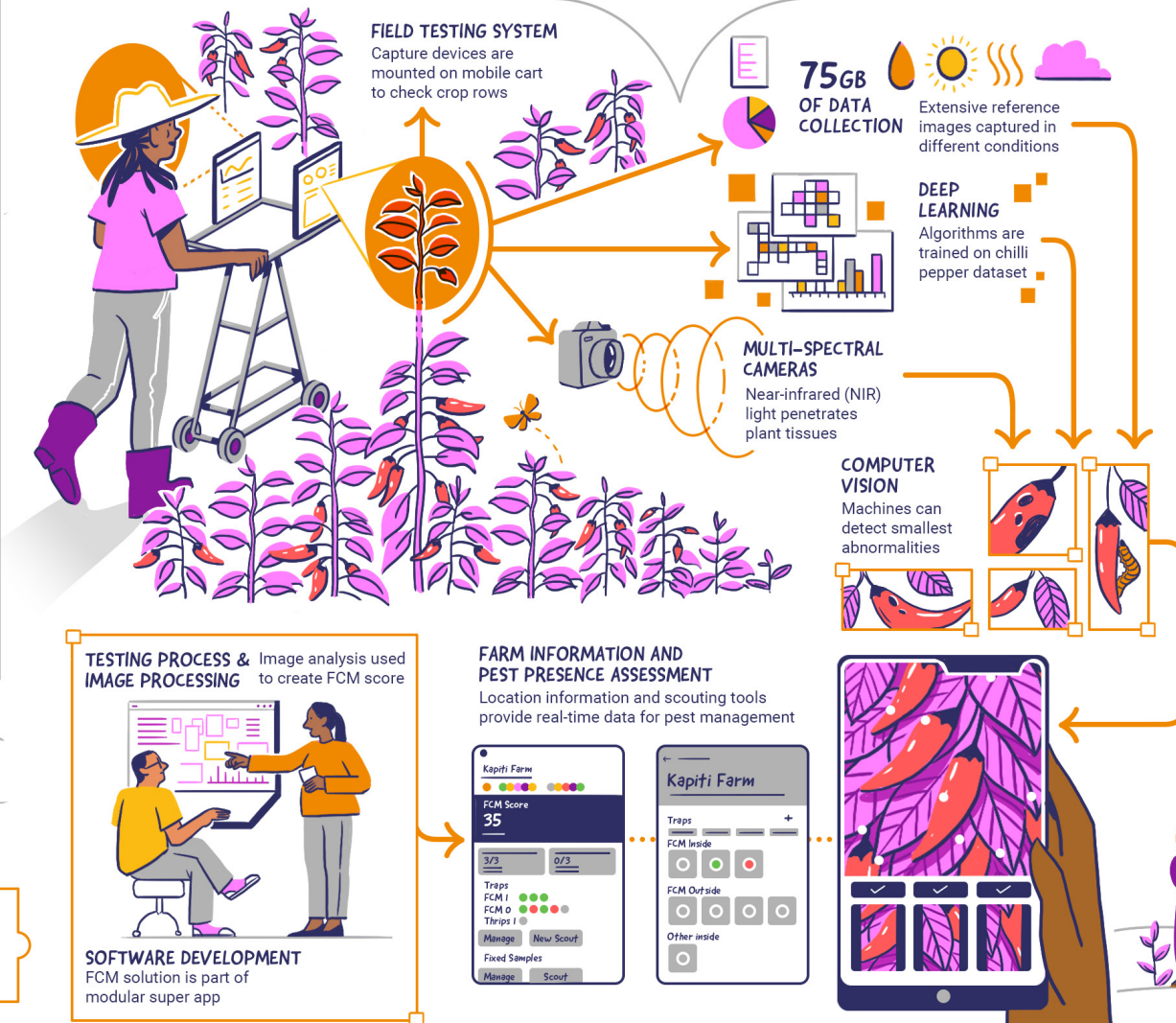
## CHALLENGE

### IDENTIFICATION OF FALSE CODLING MOTHS IN CHILLI PLANTS



## SOLUTION

### INNOVATIVE MOBILE FIRST DETECTION SYSTEMS

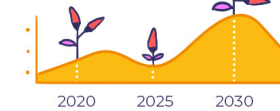


## OUTCOME

### ACTIVE AND EFFECTIVE CROP PROTECTION

**RISK REDUCTION FOR FARMERS**  
Safeguarding jobs and supporting food security

**EARLY DISEASE DETECTION AND YIELD PREDICTION**  
Analysis of plant height, leaves and fruits



**SOLUTIONS FOR OTHER PESTS AND CROPS**  
Solution will be customised for tomatoes and citrus next



**SUSTAINABLE DEVELOPMENT GOALS**

### GLOBAL ALLIANCE AFRICA

Project building UK-Africa innovation collaborations to create positive change



### INNOVATION EXCHANGE

Our unique process matching industry challenges to cross-sector innovations