



Global  
Alliance

Africa



KTN Global Alliance Africa

# Rapidly find Innovative Solutions to AgriFood Challenges in Nigeria

We are looking for large\* Nigeria-based companies from the AgriFood Sector wanting to find rapid innovative solutions to their industry challenges.

Connecting for  
Positive Change

[ktn-uk.org/programme/africa](https://ktn-uk.org/programme/africa)

**Deadline to apply: 18 February 2022.**

# Got a technical problem your traditional supply chain can't solve?

KTN Global Alliance Africa is a UK-funded 6-year project that aims to promote job creation, inclusive growth and poverty reduction through knowledge transfer, skills building and opportunities to support businesses and innovations that can deliver scalable impact.

Leveraging expertise across our diverse network, the iX platform promotes cross-sectoral innovation transfer, matching real industry challenges from large businesses to companies or academic institutions who can provide novel solutions to those challenges. iX breaks sectoral barriers, giving you access to market-ready solutions from outside of your traditional network.

We have experts and reach into a variety of sectors including:



AgriFood



Energy and Infrastructure



Water



Biotechnology



Manufacturing



Chemistry

When looking for solutions to innovation problems the iX model allows you to look for solutions outside of your traditional supply chain. Our expertise across a range of sectors allows us to help identify and support cross-sector solutions to your challenge.

## The Process



### ① Challenge Translation

Identify and translate innovation challenges

**Timeline:** 3 hours to 4 weeks depending on availability of both parties



### ② Competition

Prepare and release competition to extended innovation networks

**Timeline:** Preparation 1-4 weeks depending on person availability. Competition advertised for 6-8 weeks



### ③ Solution Selection

Experts filter and select responses by Solution Providers to the call

**Timeline:** 2-3 weeks



### ④ Relationship Building

Engage with chosen companies and identify routes for technology development

**Timeline:** Pitches 3-5 weeks after challenge close



### ⑤ Feedback

Provide feedback on the process and identify new challenges for next round

**Timeline:** Feedback to all participants following pitches





## Investing in AgriFood with the KTN Global Alliance Africa iX Challenge Programme

Investing in AgriFood is critical for both the nation's economy and society as a whole. It is an integral part of the solutions necessary to meet Sustainable Development Goal (SDG) targets and Nigeria's Vision 2030 ambition to make Nigeria the top three most food-secured country in Africa and top twenty largest exporter of standard agricultural produce by 2030 through the use and application of digital technologies and innovations. (Source: Nigeria's Digital Agriculture Strategy 2020- 2030 - National Information Technology Development Agency.) The iX Challenge Programme is a quick route to access solutions from other sectors to solve those challenges.

### The iX Challenge Programme is delivered through a tried and tested model which provides quick and simple exposure to new technologies and markets

A challenge holder with a here and now tangible problem is identified and the challenge is translated into a technical problem statement that will attract other sector solutions and is then launched for public competition. Solution providers submit their response and, through a selection and pitching process, the best solutions are then selected for technology development through a collaboration between the two parties.

In addition to this, and as part of the KTN Global Alliance Africa iX Challenge Programme, an additional opportunity to partner with UK solutions providers will also be integrated into the process (prior to selection and pitching). This additional component will be added where partnership with a UK-based company is a value-add and the challenge would benefit from internationally collaborative solutions.

## Case Studies



### Waste reduction in the construction of poultry sheds

The challenge involved helping a poultry producer identify novel materials for use in the construction of poultry sheds to support in improving welfare through better regulation of shed conditions whilst reducing greenhouse gas emissions.



### Developing smart solutions for the Ministry of Housing and Urban Affairs in India

Making cities and human settlements inclusive, safe, resilient and sustainable is one of the key ambitions of the Sustainable Development Goals. In order to respond to this the Ministry of Housing and Urban Affairs in India launched a challenge to find technologies/smart solutions to improve waste management practices. The challenge attracted a total of 210 submissions with 4 projects finalised and selected. Over £6 million of investment into the top 4 SME solutions is being negotiated.

# Challenges

KTN Global Alliance Africa is looking for large\* Nigeria-based companies to help find rapid solutions to AgriFood sector problems.

## Examples of challenges from the AgriFood sector include:

- Using technology to increase productivity and production of food
- Identifying innovative approaches to deliver efficient vegetable production
- Closing nutrient loops and reducing negative discharges to the environment (in the form of wastes and emissions)
- Applying cost-effective solutions to identify or reduce counterfeit products (i.e. pesticides, processed food)
- Identifying supply chain solutions to reduce post-harvest waste of perishable goods such as fish/milk

These topics are by no means exhaustive and we would welcome a discussion around issues your business might be facing that could potentially be solved by expertise from other sectors. With nearly 100 challenges delivered globally to date and over 850 applications, our team of experts will work with you to understand the issues you face and to scope the challenge to help sell the opportunity to a diverse range of sectors.

### Who is this challenge for?

- \*A large Nigeria-based, Nigeria registered company working in the AgriFood sector with an annual turnover of over NGN 100 million and/or a workforce size of over 50 employees
- Companies that have a concrete industry challenge that would benefit from cross-sector solutions

Please submit your company's information [here](#) and one of our experts will be in touch shortly.

Deadline to apply: 18 February 2022.

# Seed Funding



KTN Global Alliance Africa will allocate seed funding to the winners of the iX Challenge in Nigeria. This will provide startup and SME ecosystem financial support to develop the identified solutions in partnership with specific challenge owner as well as additional mentoring for projects moving into commercialisation.



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# Why the iX Challenge Programme?



## Quick and Simple Exposure to New Technologies

We bring you companies with technology solutions from areas outside your usual supply chain.



## Time Efficient

It requires minimal time commitment, with the bulk of the resource provided by us.



## Optional Disclosure

Your involvement can be made confidential or your challenge undertaken in a 'closed' iX programme although having your name behind competitions can ensure better responses.



## International Collaboration

Where solutions cannot be found in-country, we foster international collaboration partnerships to achieve the optimal solution.

To find out how we can help you, please sign up [here](#).

✉ [ix@ktn-global.org](mailto:ix@ktn-global.org)

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