

Innovative Districts: International Perspective

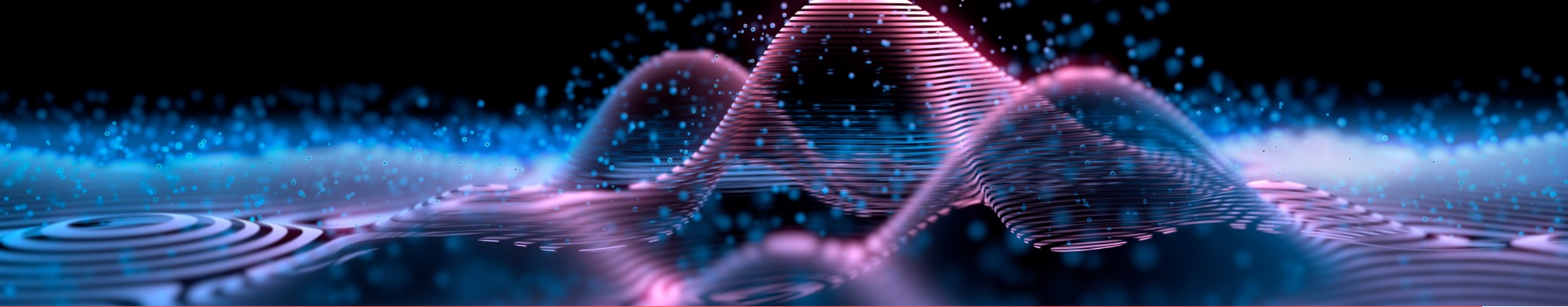
Innovate UK KTN – Africa Regional Lead: Sophie West



About Us

Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking – accelerating ambitious ideas into real-world solutions.





Our Purpose & Vision

We create diverse connections to drive positive change.

To establish a network of innovators so powerful its ideas will change the world.

Our Network



46,229
Unique
Organisations



72%
Small

15%
Medium

13%
Large



234,478
innovators



Every university in
the UK

KTN Outputs

66%

introduced by
KTN go on to
collaborate

42%

reach
outcomes
faster
(1-2 years)

60%

increased
investment in
R&D direct
result from
KTN
engagement

£100m

per year
increased
investment in
R&D



Innovate UK
KTN



We connect **regional, national and global** innovation

Our **Global Alliance** programme drives international collaborations with governments, societies, enterprises, institutions and people from every corner of the globe.





Discuss how innovation can be used to create innovative districts, looking at both local and international experience

- IUK KTN initiatives in the UK
- IUK KTN Global Expert Missions
- Wider network examples



Smart Specialisation Hub

Case Study

www.ktn-uk.org



InnovateUK
KTN

Background

*Recommendation 8. The Government should ensure that all the funds available to LEPs to invest in Innovation and R&D are spent on these areas. It should **establish an authoritative advisory capability to advise it and LEPs** and other relevant decision-takers on how strongly LEP proposals are based in **a sound assessment of comparative advantage**, and to identify and communicate the best practice of the most effective of LEPs so that the Government and LEPs can work to bring all LEPs up to the level of the best.*

Sir Andrew Witty's Review of Universities and Growth (October 2013)

*...the Smart Specialisation **Hub will generate evidence** that local partners have shown the collaborative leadership to identify a genuinely limited number of sectors and technologies within their ESIF strategies, and that investments made by the Managing Authority have sufficient scale and depth to create significant impact on prioritised sectors and technologies.*

*Smart Specialisation in England: Submission to the European Commission (April 2015),
Department for Business, Innovation and Skills*

Smart Specialisation Methodology

Smart Specialisation is a bottom-up process drawing on the input of business, higher education, government and civil society to develop collaborative strategies for maximising the potential of innovation strengths based on real-world assessments of those capabilities. Utilising Smart Specialisation principles ensures local areas prioritise sectors in which they have, or can develop, competitive advantage.

Smart Specialisation Hub

The Smart Specialisation Hub was the UK's innovation observatory and advisory body from 2016 to end March 2019. Funded by Government and agencies, it assembled a suite of analysis to support local actors as they sought to make informed and impactful investment decisions.

Originally born of a need to support applications for European Regional Development Funding, the Hub's remit and activity expanded to deliver against a broader agenda of innovation understanding and support.

The Hub provide robust, impartial evidence to showcase a region's innovation activities, strengths and capabilities across several sectors and industries.

Undertook research, advised on national policy drivers and strategic fit, worked with Government and partners and constantly improved the analysis they provide.

Objectives of the Hub

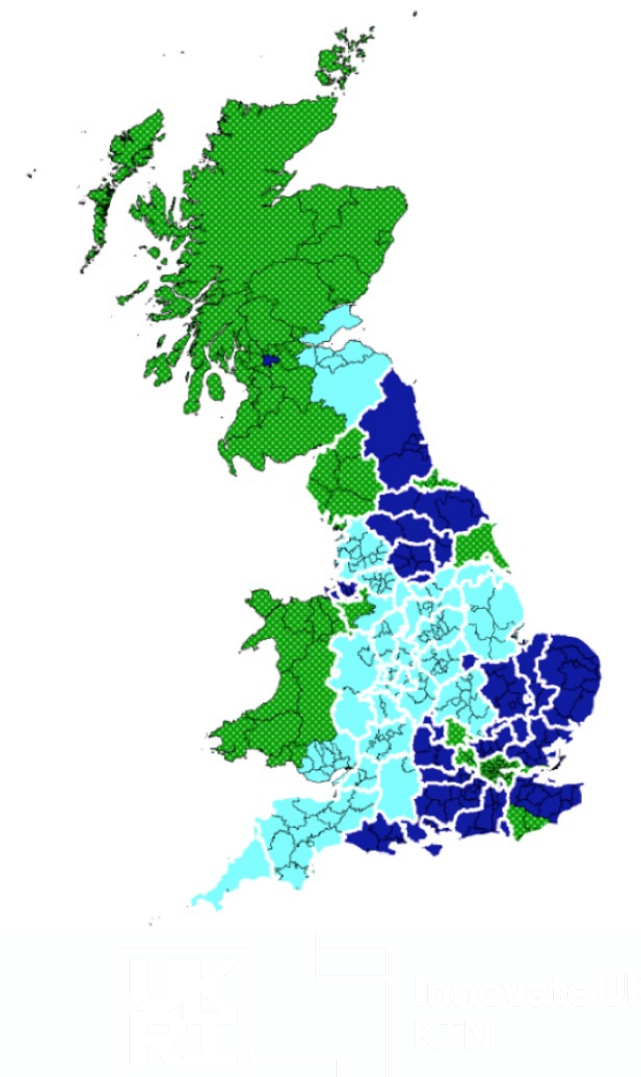
1. Improve **visibility and use of data sets** both national and local
2. **Identify gaps and weaknesses** in national and local data and analysis
3. Promote and support the development and use of data and **evidence-based decision making**
4. Improve the **understanding of and application of the principles of Smart Specialisation**
5. Improve the **mapping and understanding of the UK innovation system**
6. Support the national European Regional Development Fund (ERDF) programme and help ensure that local projects and programmes are aligned to the **Smart Specialisation Strategy for England**.

Scope of the Hub

- Profiling all 38 Local Enterprise Partnerships' innovation strengths and capabilities across a variety of sectors and indicators; and turning this data into validation of strategies
- Supporting applications for ERDF funding under innovation priority axes
- Working with each wave of Science and Innovation Audits – convening players, advising on strategic fit, sitting on steering groups and sharing data
- Supporting Government, Innovate UK and others on the place agenda
- Feeding into the Industrial Strategy
- Convening place and innovation thought leaders to inform policy

Combined SIAs
Waves 1 & 2

- Wave 2
- Wave 1
- No SIA allocated



Key Learnings & Recommendations

Recommendation: Government should seek to ensure that LEPs have adequate analytical resource to draw down to support strategy design beyond LIS, and to ensure a consistent and evolving local economic picture is accurately reflected

Recommendation: Government should ensure that the comprehensive support they are offering to LEPs incorporates objective evaluation.

Recommendation: Government should encourage LIS leads to form communities of practice around shared challenges.

Recommendation: Changes to the support landscape offer the opportunity to demonstrate that Government and agencies' local presences are better aligned



Recommendation: a national observatory of local data is an important (and often missing) part of the innovation and economic growth landscape.

Recommendation: Simplification of the funding landscape would be beneficial, this could involve the creation of fewer more holistic funding pots that allow local areas to tailor spending to their needs.

Smart specialisation talks about **‘world leading strengths’**, whilst not all places can be ‘world leading’, IUK KTN has been exploring **if there is a role for smart specialisation to reprioritize what ‘world leading’ can mean** and catalyse activity on a different scale and helping it to be as impactful and respected as it can be.

Cambridgeshire and Peterborough Local Industrial Strategy

Case Study

www.ktn-uk.org



Innovate UK
KTN



HM Government



Cambridgeshire and Peterborough Local Industrial Strategy

A Partner in the Oxford-Cambridge Arc

July 2019



Cambridgeshire and Peterborough Local Industrial Strategy

A new economic blueprint for Cambridgeshire and Peterborough designed to **maximise productivity and innovation in the area's** leading life sciences, food production, artificial intelligence and advanced manufacturing sectors.

The Local Industrial Strategy aims to **harness the full potential of innovation in the region** and features a Skills and Apprenticeships Hub to support the local community.

Cambridgeshire and Peterborough alone contribute £22 billion a year to the UK economy. LIS expected to enhance this further as the area builds on its **global reputation for innovation and enterprise** by focusing on its world-leading life sciences, artificial intelligence and advanced manufacturing sectors, delivering highly-skilled jobs and securing a strong local economy for years to come.



Global Expert Missions

Global Expert Missions (GEMs), funded by Innovate UK and delivered by KTN, drive the sharing of expertise across borders and foster global collaboration. They help to build international strategic partnerships and provide insight into innovation opportunities for the UK.

Canada's Superclusters

Case Study

www.ktn-uk.org



Innovate UK
KTN

Canada's Supercluster

- The Canadian Government committed to an investment of up to C\$950 million over five years to launch the Innovation Superclusters Initiative (ISI) in 2017.
- The ISI invited industry-led consortia to lead and to invest in bold and ambitious supercluster proposals that will supercharge their regional innovation ecosystems.
- It was expected that one of the superclusters be focused on Advanced Manufacturing. In 2017, IUK KTN lead a Global Expert Mission with 9 organisations (including Rolls Royce, National Composites Centre) to share learnings from UK innovation districts/hubs.
- Worldwide, 'Made in Canada' is being recognized as excellence in innovative manufacturing.

Expected economic impact

GDP impact over 10 years (in billions)	Job creation over 10 years
More than \$13.5 billion	More than 13,500 jobs



Be'er Sheva- Israeli's Cyber Capital

Case Study

www.ktn-uk.org



InnovateUK
KTN

Be'er Sheva-Israeli's Cyber Capital

- The combination of Israel's perpetual concern with defence and its technological prowess has turned cybersecurity into one of its most important exports. In 2013 alone, IBM, Cisco, and GE all made large acquisitions or investments in Israeli cybersecurity companies.
- The date, 3 September 2013 marked a new chapter in the history of the tech industry and cybersecurity in Israel. Prime Minister Benjamin Netanyahu led the inauguration of the Advanced Technology Park on the campus of Ben Gurion University of the Negev in Be'er Sheva.
- In 2014, the Israeli government passed a resolution designating the city of Be'er Sheva as Israel's cyber capital.
- IUK KTN hosted a Cyber Security Global Expert Mission 2018 to support UK-Israel Cyber Security connections and share lessons.
- Be'er Sheva now commonly regarded as second best innovation hub after California.

IUK Wider Network

Case Studies

www.ktn-uk.org



InnovateUK
KTN

Wider Network Innovation District Examples

22@ Barcelona Innovation District - Started in 2000 with global vision for fostering urban, economic and social innovation. This global vision has been implemented through the concentration of knowledge-based activities, as well as a strong involvement of new technologies. Urban planning was guided by the “compact city” principle, which links higher-density planning to environmental efficiency and improved life-quality. To that end, subsidized housing, public spaces and green areas have been planned in order to create a balanced neighborhood.

It may look like a regeneration project but in reality it goes beyond. The 22@ area strives for the “strategic concentration of intensive knowledge based activities”. Its three main dimensions are:

- urban refurbishment: creating a balanced environment for better working, living and learning conditions.
- economic refurbishment: bringing out a scientific, technologic and cultural center of metropolitan relevance.
- social refurbishment: intensifying the relations between professionals.

Since 2000 the district achieved to attract about 4,500 new companies and to foster the development of new start-ups. The estimated number of workers in the district is 90,000 (not counting freelance workers), 62.5% more than in 2000 for a total increase of 56,200 workers.

The Medellín Innovation District is a process of social, urban and economic transformation that seeks to convert the north of the city into an innovation ecosystem that brings together citizens, entrepreneurs, companies and institutions within the knowledge economy, who participate in projects together and allow Medellín to become the Innovation Capital of Latin America.

The District is projected as a laboratory for life and business, which today has 115 important local and foreign companies, and a representative institutional presence with an emphasis on Research, science, technology, recreation and wellness.

This example is very interesting in how they had adopted a very broad and democratic citizen participation process, which has meant that it has taken a bit longer to get going - it has been in motion since 2012.

Metrix: Has generated 3,838 jobs since 2012; 44,905 sq meters of infrastructure has been developed to accommodate local, national and international organisations; over 30 community consultations have taken place and 58

Melbourne innovation districts - The local government has partnered with the University of Melbourne and RMIT University to create Melbourne Innovation Districts (MID), a smart city initiative that is set to drive investment in the knowledge economy and help shape the city's future. Melbourne is advancing multiple innovation districts: there are multiple innovation districts (or innovation precincts, as they are often called there) in various phases of development, which cumulatively has the potential to create a broader innovation ecosystem—or innovation spine—across the city.

Working through the partnership they aim to attract more small businesses, startups and social enterprises to the area. Through community events and improved public spaces, MID aims to provide more opportunities for Melbourne's knowledge workers, researchers, students, business and community organisations to connect and collaborate, creating innovative ideas essential for the city to continue to thrive and prosper.



Place-Based Innovation Interventions

Global Alliance Africa project

Place-based Innovation – Intervention Overview

What is PBI?

Core intervention for KTN
Global Alliance Africa

Network Mechanism for
unlocking the potential of local
innovation ecosystems, such as
Ekiti State

How does it work?

Draws from different
participatory frameworks known
to enable transformative
change:

- Placemaking
- Design Thinking
- Action Research

What will it achieve?

Stronger local, national,
international networks

Improved access to markets
and new opportunities

Technology development and
commercialisation

SCOPING

Regional Innovation Audit

DESIGN / ENGAGEMENT

Contact Sheet

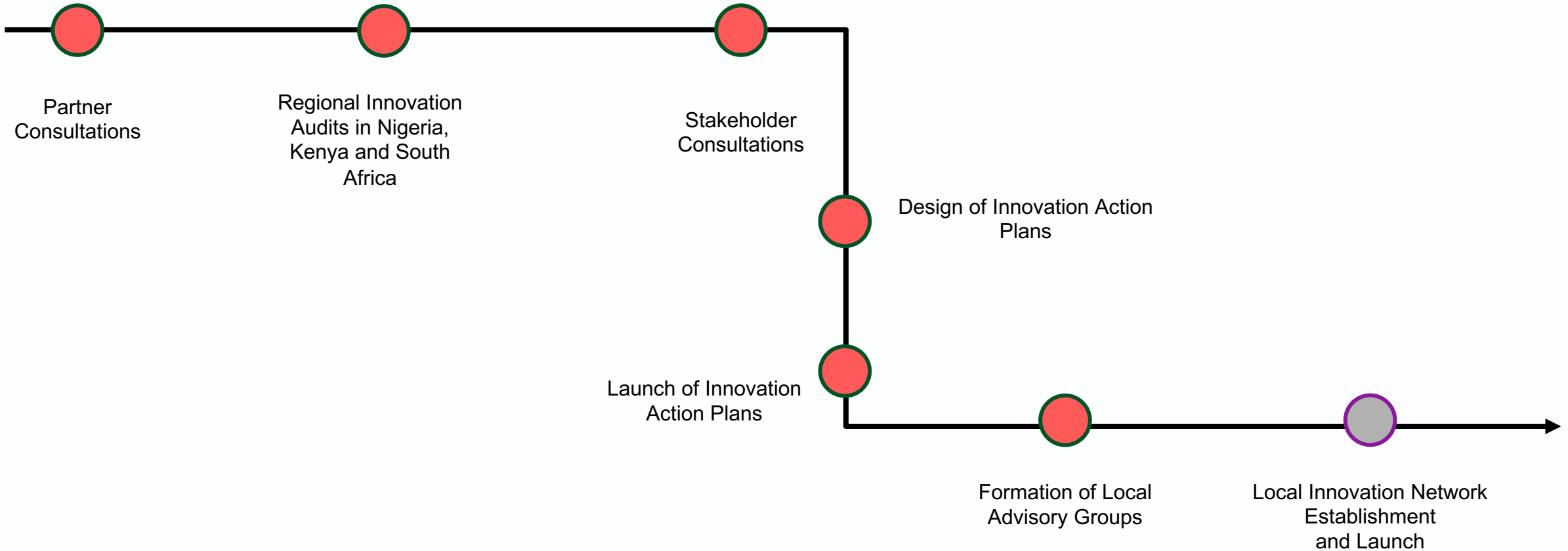
DELIVERY

Innovation Action Plan

IMPACT

Collaboration & Partnership

Placed Based Innovation process to date



Gauteng Innovation Action Plan

A shared vision:

An inclusive innovation ecosystem driving economic growth and prosperity in Gauteng



Objectives that take us towards that vision

Long term

Economic growth from new venture creation, job creation and poverty reduction

Short term

Increase collaboration opportunities for local innovation ecosystem partners

Contribute towards local innovation streams that can grow into commercial UK-SA partnerships and expand UK-SA trade

Outcomes that help deliver those objectives

1. Innovation ecosystem partners work together more often increasing access to development and growth opportunities for local innovation ecosystem participants
2. Local innovation experts that can share knowledge and expand local innovation capabilities which contributes towards higher rates of entrepreneurial participation from youth and females with access to new markets
3. A thriving Gauteng economy with expanded commercial and innovation partnerships covering UK-SA, SA-Nigeria and SA-Kenya



Innovate UK
KTN

Gauteng Innovation Action Plan

Deliverables: milestones on the way towards the outcomes

1 Convene innovation ecosystem practitioners contributing towards a specific ecosystem theme

2 Establish an Innovation Canvas Practice in Gauteng

3 Launch and administer an annual award for best PBI

4 Design, develop and implement innovation support for female innovators from Gauteng

5 Implement a Regional Innovation Support Programme

6 Train and develop Local Innovation Champions

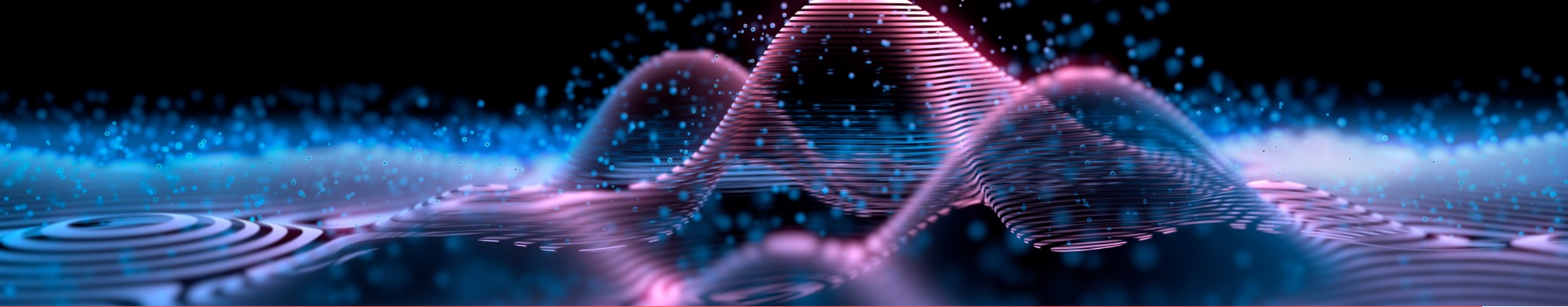
7 Launch a local innovation prize as a university start-up competition

8 Launch and support local innovation development to accelerate Net Zero solutions

Connecting for Positive Change

ktn-uk.org/programme/africa





Thank you very much for your time!

Any questions – sophie.west@ktn-uk.org