

# Innovate UK: Talent and Skills Connect Innovation Skills Focus

3 June 2025 | 10:00-12:00



# Purpose, Approach, Offer

**Lisa Redman**

The Intellectual Property Office



# Innovation Skills

## **Intellectual Property Office**

Lisa Redman, Senior Policy Advisor – Skills, Innovation and Entrepreneurship



# Please Note

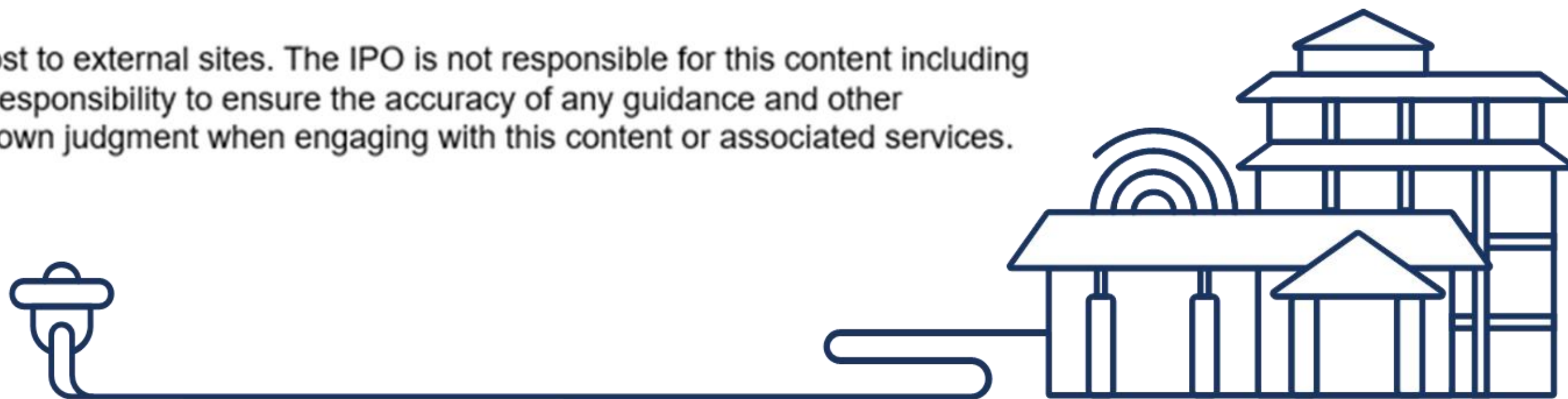
## Please note

This presentation introduces the work of the Intellectual Property Office (IPO) and information concerning intellectual property IP and intellectual property rights (IPR's) in general terms only.

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# Agenda

## Introduction to the IPO

- Key functions and IP framework
- Introduction to IP and knowledge assets
- IP skills, innovation and growth
- IPO support for the development of IP skills and strategies



# Intellectual Property Office

An Executive Agency under the Department for Science, Innovation and Technology

## Key functions:

- Granting UK patents, register trade marks and designs
- IP policy (including copyright and trade secrets)
- Educating businesses and consumers about IP rights and responsibilities
- Supporting IP enforcement (but not an enforcement agency)
- Negotiating IP chapters in FTAs



# What is Intellectual Property?

- Intellectual property is the collective term for **creations of the mind**.
- Intellectual property rights (IPR) are the **fixed formats** in which these creations can be protected.
- The IP system is the legal framework for the protection of innovation and creativity.





# Types of IP rights

## Registered rights (need to apply)

- Patents
- Trade marks
- Registered design
- Plant varieties

## Unregistered rights

- Copyright
- Unregistered trade marks
- Unregistered design right
- Confidentiality
- Trade secrets
- Know-how





# Why IP Matters

- **IP touches everything.** We are surrounded by IP in our daily lives, from the technology that connects us; great inventions that transform lives and economies; to our favourite films and tv programmes.
- As the innovators, creators and entrepreneurs of today and tomorrow, people need to learn what IP is, how to identify and protect their own IP, and how to use others' IP responsibly.
- IP provides researchers, inventors, entrepreneurs and creators with the confidence to invest in doing something new.
- Effective understanding and **management of knowledge assets and IP** is crucial to support innovation and realise its wider benefits.



# IP forms part of an organisation's knowledge assets

## Examples of knowledge assets could be:

- The skills and experience of its staff
- Reputation
- Networks
- Customer lists
- Inventions
- Designs
- Collaborations and partnerships
- Data and information
- Codified knowledge such as software and source code
- Knowledge and expertise
- Business processes and services
- Creative outputs such as text, code, video, graphics
- Anything protected by UK or international intellectual property rights



# Critical IP skills

- Understanding ownership
  - Know your rights, respect others' rights
- Understanding the IP system of protection for ownership of creative output:
  - Registered rights
  - Unregistered rights
  - Licensing
  - Contracts
  - Remember IP rights are territorial
  - What know how and expertise are you bringing?

# IPO and IUK Talent and Skills Connect

## Our offer

Accessible and engaging digital guides and resources to improve understanding of IP's role in innovation and business growth.

Resources for schools, colleges, universities and businesses at <https://www.ipo.gov.uk/ip-support/> to develop critical IP skills, institutional IP policy, encourage innovation and entrepreneurship and build a positive innovation culture.

Guidance, resources, webinars, videos and outreach activities to build skills to protect, manage and use IP effectively, to unlock its value and to enable effective institutional IP policy development.

## How we can collaborate

Support education programmes through IPO digital teaching and learning resources and guidance.

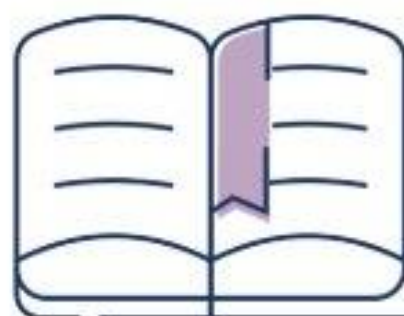
Delivery of webinars and teach-ins to build IP skills.

Connection with partners to support innovation and creativity through knowledge and understanding of IP.

**Examples of Programmes:** STEM Outreach, Code First Girls, STEM Returners, Degree Apprenticeship scheme, Patent Examiner mentoring scheme for university graduates with STEM background.



# IPO resources for formal education



## **Education Framework**

IP for Education

The following resources have been developed to help teachers and educators introduce IP into everyday lessons

[Find out more](#)



## **IP for Further Education**

IP for Education

Explore the library of materials available and find the guidance most relevant to you.

[Find out more](#)



## **Cracking Ideas**

IP for Education

Curriculum linked education resources including lesson plans, activities, and annual competitions for primary to secondary.

[Find out more](#)

# IPO resources for universities



## IP Tutor

IP for Universities

An interactive, CPD accredited e-learning tool helping students understand intellectual property rights

[Find out more](#)



## IP for Research

IP for Universities

Explore the library of materials available and find the guidance most relevant to you.

[Find out more](#)



## Intellectual Asset Management Guide

IP for Universities

Guidance that helps university management set IP strategies that maximise the impact of the intellectual assets developed at their institution.

[Find out more](#)



# IPO resources for businesses



## IP Equip

IP for Business

Need to learn about IP and how it can help your business? Start here! Four light touch modules covering the basics of copyright, designs, trade marks and patents.

[Explore IP Equip](#)



## Business Lifecycle Framework

IP for Business

The framework has been developed to support entrepreneurs and businesses to understand and manage their IP at every stage of their business lifecycle.

[Explore the Business Lifecycle Framework](#)



## IP Healthcheck

IP for Business

Every business will own some form of intellectual property, but do you know how to protect these assets?

The IP Health Check online tool is free to use and will help you answer these questions.

[Explore IP Healthcheck](#)

# IPO resources – International and Government



## **International**

### IP for Business

Protecting your trade marks, patents, designs and copyright abroad.

[Explore the International IP Service](#)



## IP for Government

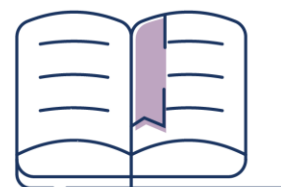
An introductory course on intellectual property and intellectual property rights, the significance of intellectual property and the role of the Intellectual Property Office (IPO).

[Explore IP for Government](#)





# Where to find support from the IPO



## **Education Framework**

IP for Education



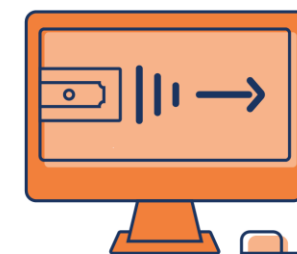
## **IP for Further Education**

IP for Education



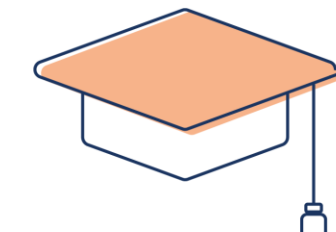
## **Cracking Ideas**

IP for Education



## **IP Tutor**

IP for Universities



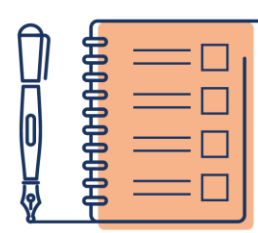
## **IP Tutor Plus**

IP for Universities



## **IP for Research**

IP for Universities



## **Lambert Toolkit**

IP for Universities



## **Knowledge Asset Management**

IP for Universities



## **IP Equip**

IP for Business



## **IP Healthcheck**

IP for Business



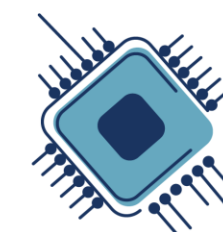
## **B2B Toolkit**

IP for Business



## **IP for Investment**

IP for Business



## **Business Lifecycle Framework**

IP for Business



## **International**

IP for Business



IP for Government

# Connect with us



@The\_IPO



Intellectual Property Office UK

@intellectualpropertyoffice

[www.gov.uk/ipo](https://www.gov.uk/ipo)

[innovation@ipo.gov.uk](mailto:innovation@ipo.gov.uk)

# Purpose, Offer, Opportunities

**Robert Wilson**

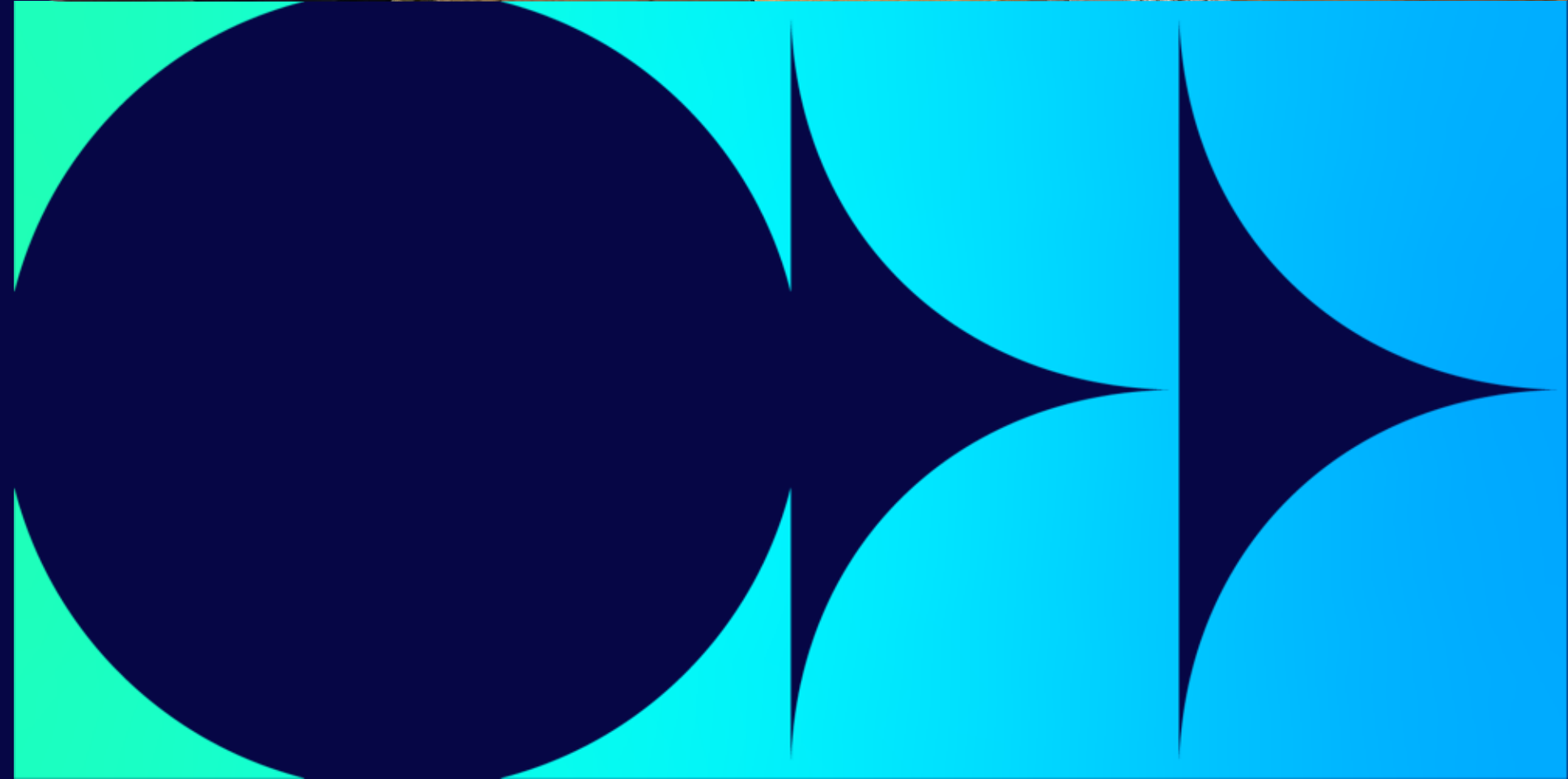
Open University





# Business Creators

powered by  
The Open University





# Vision

Working in partnership to create the **UK's largest** and **most inclusive** entrepreneurial learning community for anyone, anywhere, aspiring to start or grow their business. Together, we will fuel the UK's entrepreneurial landscape and tackle challenges from local to global.

# Problem Statement

- In 2025, nearly half of UK adults are considering starting a business.
- However, most believe they don't have the skills to start and manage a business.
- **Inequalities in the opportunity** to create and grow a new business exist in the UK.
  - Women-owned firms receive **seven times** less investment and external finance applications
  - Ethnic-minority led-business are rejected at nearly **twice** the rate of applications from white-led businesses.
  - **Wales, Scotland, Northern Ireland** and **northern England** regions having approx. 800 business per 10,000 residents against 1,460 for London.

# Purpose

- Over the next ten years, we will build a **million-strong network of UK entrepreneurs**, helping anyone, anywhere, develop the skills to create a business.
- Working with national and regional partners we will create a UK-wide programme to find and nurture a new generation of business creators.
- We will provide mentorship, access to resources and seed investment.
- We will offer targeted opportunities for people with disabilities, those from low socio-economic backgrounds, women, and neurodivergent individuals.



# Powered by the OU

- As largest distance learning provider in the UK, the OU has unique ability to provide entrepreneurial skills to **anyone, anywhere**.
- The UK's only University with a presence in **all four nations**; enabling partnerships with place-based entrepreneurial ecosystems.
- Unique selling point: **mission-aligned** focus on nationally supporting the underserved at the early stages.





# Formal Programme

**Curious**



**Serious**



**Grow**

**Start**

Offer: Learning content and online business builder tools.

**Accelerate**

Offer: Virtual incubator and partnerships with organisations to deliver place-based support.

**Grow**

Offer: Mentoring and investment readiness support for strategic planning and pitching.

# Learning that can open minds and doors.

Entrepreneurs can engage with relevant and free content at a pace that suits them to develop the skills essential for every stage of their journey, from inception to growth

Freely accessible learning content and resources will be accessible to all entrepreneurs on the OU's award-winning distance learning platform OpenLearn, providing high-quality courses focusing on entrepreneurship and innovation, including:

- Starting a business
- Scaling up a business
- Growing a business
- Identifying revenue streams
- Cash flow management
- Business model canvas



# Are you a new or aspiring entrepreneur looking for support?

## Introducing Open Business Creators

Open Business Creators aims to create the UK's largest and most inclusive entrepreneurial learning community for those aspiring to start or grow their business.

Founders can engage with the content and programmes here for however long they need, developing their skills and accessing funding and support that is essential for their stage of the entrepreneurial journey.

Explore our content and case studies below to discover how we can be of assistance.



## Explore the right business support for you

Our business support journey is designed to assist you at every stage. You can choose the option that suits your current needs.

### Curious: Perfect for initial investigations and planning



The "Curious" stage of Open Business Creators has been designed for those who have an idea that want to explore or who want to learn about the world of entrepreneurship. Access free resources and use a business modelling platform to help develop your plans. You'll also have the opportunity to apply for grant funding from the Open University to help develop your idea or grow your early stage business.

### Current resources:

- ▶ [New: Open Business Creators Fund Spring 2025](#)
- ▶ [Barclays Eagle Labs Academy](#)
- ▶ [Badged OpenLearn Course: Entrepreneurship – from ideas to reality](#)
- ▶ [OpenLearn Course: Entrepreneurship Accelerator](#)
- ▶ [DyslexicU Course: Entrepreneurs and start-up mentality](#)
- ▶ [Open University Course: Start your own business](#)
- ▶ [Getting support with starting a business](#)
- ▶ [How your studies can help your business](#)
- ▶ [Make it at Market](#): For people are doing a craft as a hobby and are considering turning it into a business



### Video: What is an entrepreneur?







# Innovation Literacy Course

**Coral Grainger**

GMColleges



# GM Innovation Literacy

Greater Manchester Further Education  
Innovation Programme #GMFEIP

funded by IUK Further Education Innovation Fund #FEIF

Coral Grainger @ IUK Talent & Skills Connect 03/06/25



## Once upon a time...



Innovate  
UK



Image: [GM Moving](#)

## What's the problem?



Innovate  
UK



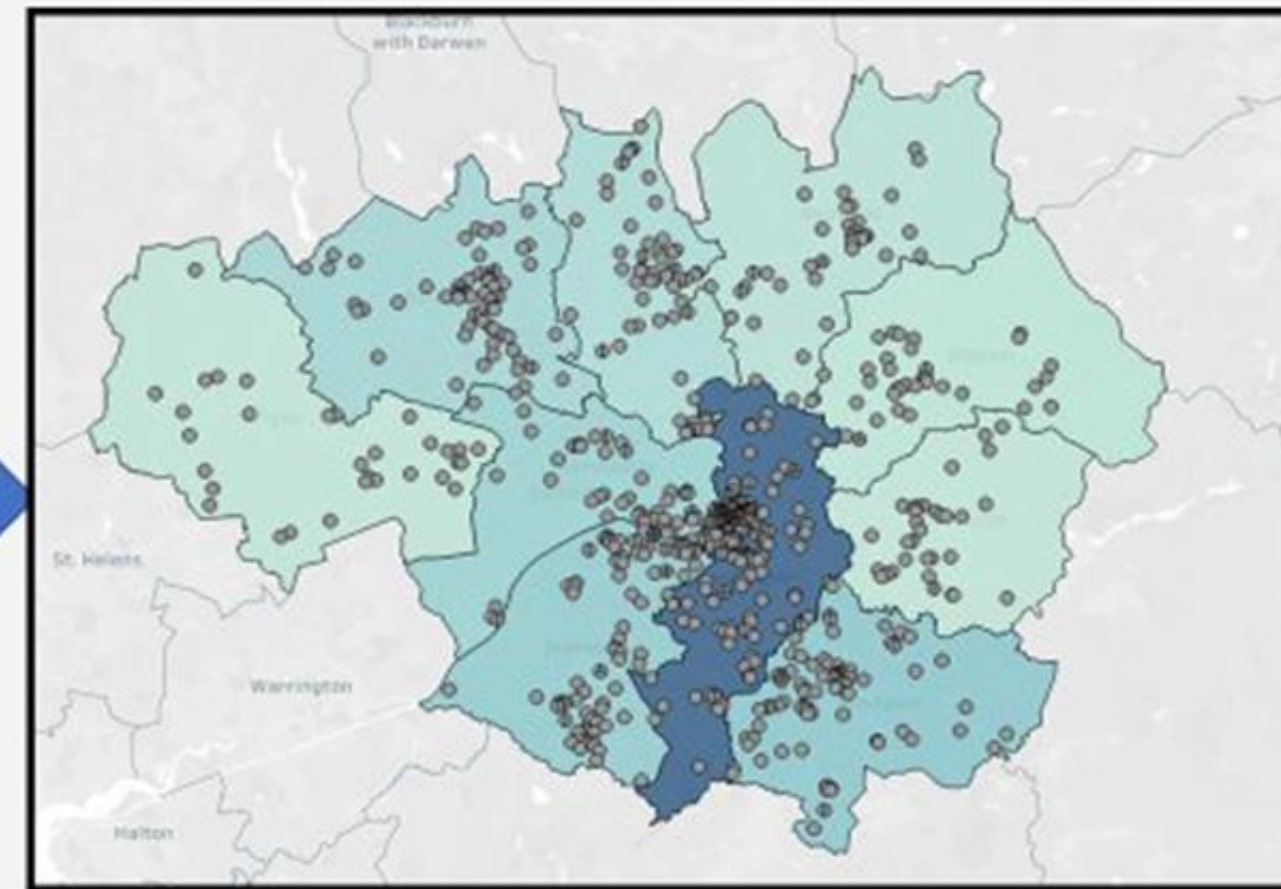
Lack of innovation capacity & investment in GM SMEs  
Innovation diffusion and support services not reaching outer boroughs

### Firms accessing innovation support

Data was gathered on firms engaging with the following between 2015 and 2021:

- The Growth Company ERDF funded innovation support programmes
- Made Smarter
- University of Manchester's Graphene Engineering Innovation Centre (GEIC)
- Research & Knowledge Exchange activities at Manchester Metropolitan University
- ERDF funded AI Foundry & Energy House Programmes, and KTPs at the University of Salford
- Innovate UK funding
- MIDAS
- University Spinout companies

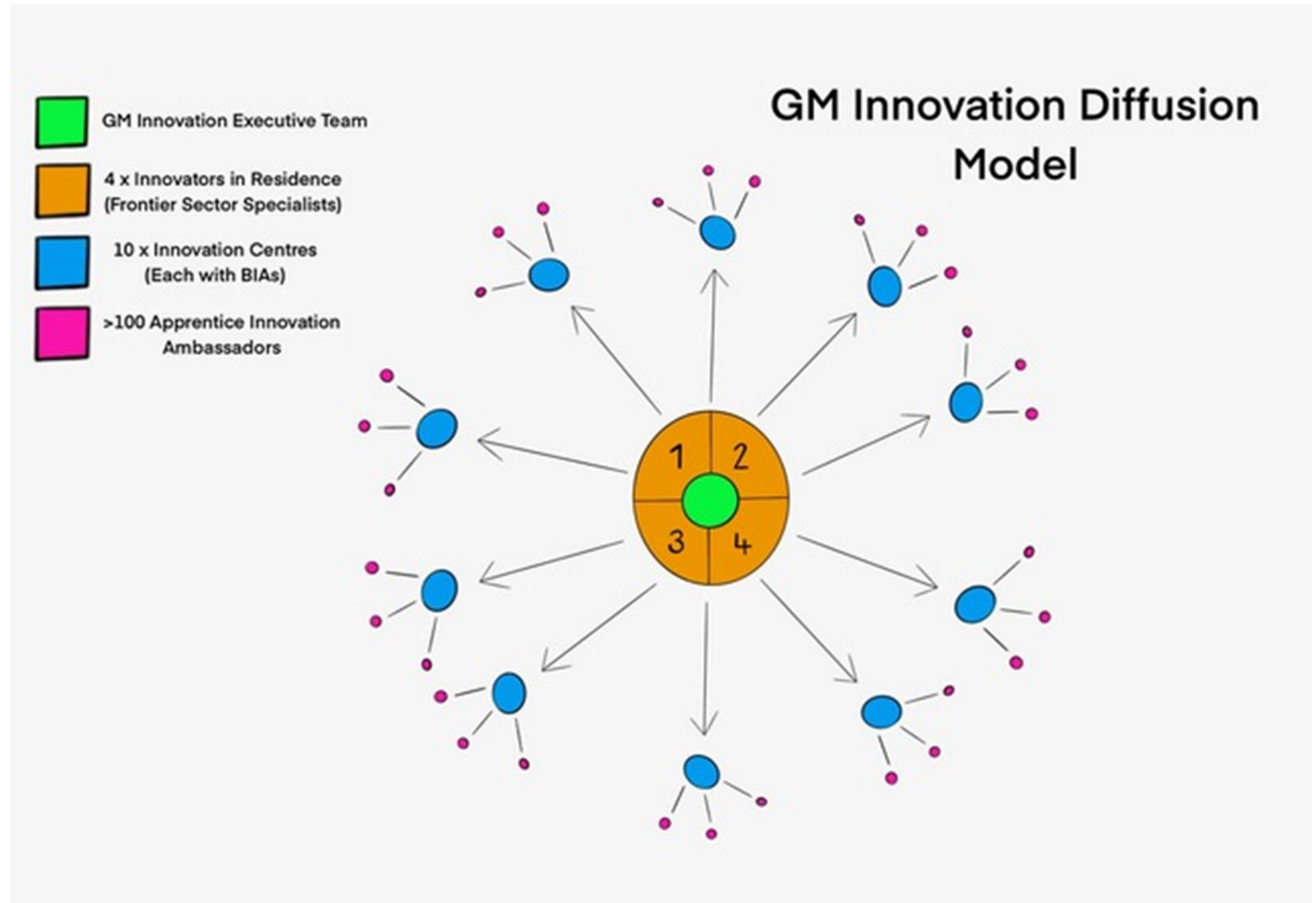
890  
companies



GMCA  
GREATER  
MANCHESTER  
COMBINED  
AUTHORITY

## Purpose

- Establish FE Colleges within the Ecosystem
- Support diffusion and adoption of innovation in GM businesses
- Improve productivity





## The Innovation Ambassador Model



- Business leaders are ‘Time & Capacity Poor’ for innovation adoption
- Greater Manchester’s colleges have >7,500 apprentices across various industries.
- Apprentices are in ‘learning mode’ They bring fresh eyes and ideas to businesses.
- **Vision: Apprentices as Innovation Ambassadors.**

## The Confidence Gap

- Apprentices may hesitate to speak up.
- Suggestions might be misinformed, misguided, mis-timed, misunderstood by their employer
- Solution: The Innovation Literacy Programme.



# The GM Innovation Literacy programme

- 8 sessions – over 4 half days
- Core concepts of innovation.
- Generating, testing, and refining ideas.
- Researching and presenting a business case.
- Fostering a culture of innovation in workplaces





## What Is The Benefit?

### APPRENTICES

- Gain an understanding of innovation
- Generate and develop ideas
- Introduction to Change
- Increased soft skills
- Improved confidence
- CPD
- Helps with apprenticeship
- Counts towards Off The Job Tracker

### EMPLOYERS

- Introduce innovative tech eg: AI
- Support your organisations bottom line
- Increase productivity
- Realise apprentice creativity
- Help them embrace failure
- Hands-on experience of developing ideas into projects
- Learn How To Communicate concepts

# Case Study

## Tom's Story: From Apprentice to Innovation Leader



Innovate  
UK



**Background:** A Mechanical Engineering apprentice fascinated by AI.

**GMFEIP's Role:** Innovation Literacy Training → Workplace AI integration.

**Outcome:**

- ✓ Created an AI adoption group in his company.
- ✓ Piloted AI-powered automation, cutting admin time.
- ✓ Led an AI workshop for senior leadership.
- ✓ Now pursuing a degree in Digital & Technology Solutions.

**Key Takeaway:** Apprentices don't just learn innovation, they can drive it

*"The programme gave me the confidence to take the lead in integrating AI into workplace processes. I went from being interested in AI to actually implementing it in my company. I even ran a workshop for senior managers on how we can use AI to improve efficiency." Tom*

## Impact



Innovate  
UK



<https://vimeo.com/1077930075>



## Next steps in GM...

- Partnership with OCN London
- Developing Accredited Pathway
- Digital Badges for Micro-Credentials
- Scale up with Quality Control
- Then... tbc:
  - Business Model Development
  - Potential for Train the Trainer model



**OCN**  
London

## Need to Know More?

Dave Murat

Innovation Literacy Delivery Manager

07912 485 441

[dave.murat@oldham.ac.uk](mailto:dave.murat@oldham.ac.uk)



# BSI Innovation Management

**Jon Raines**

Mott MacDonald







# IUK – Talent & Skills

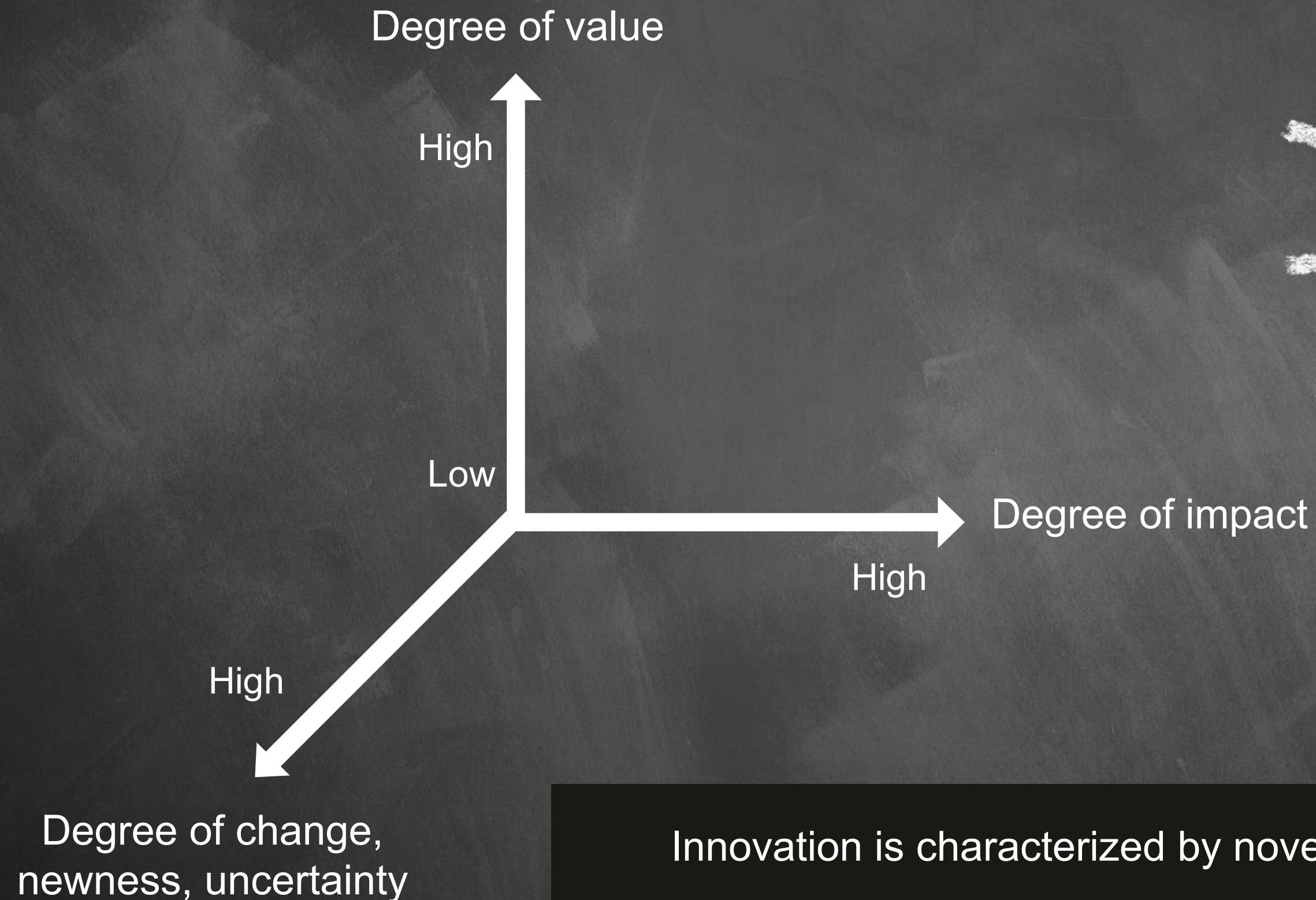
## ISO56001+

Jon Rains

June 2025

Previously on....

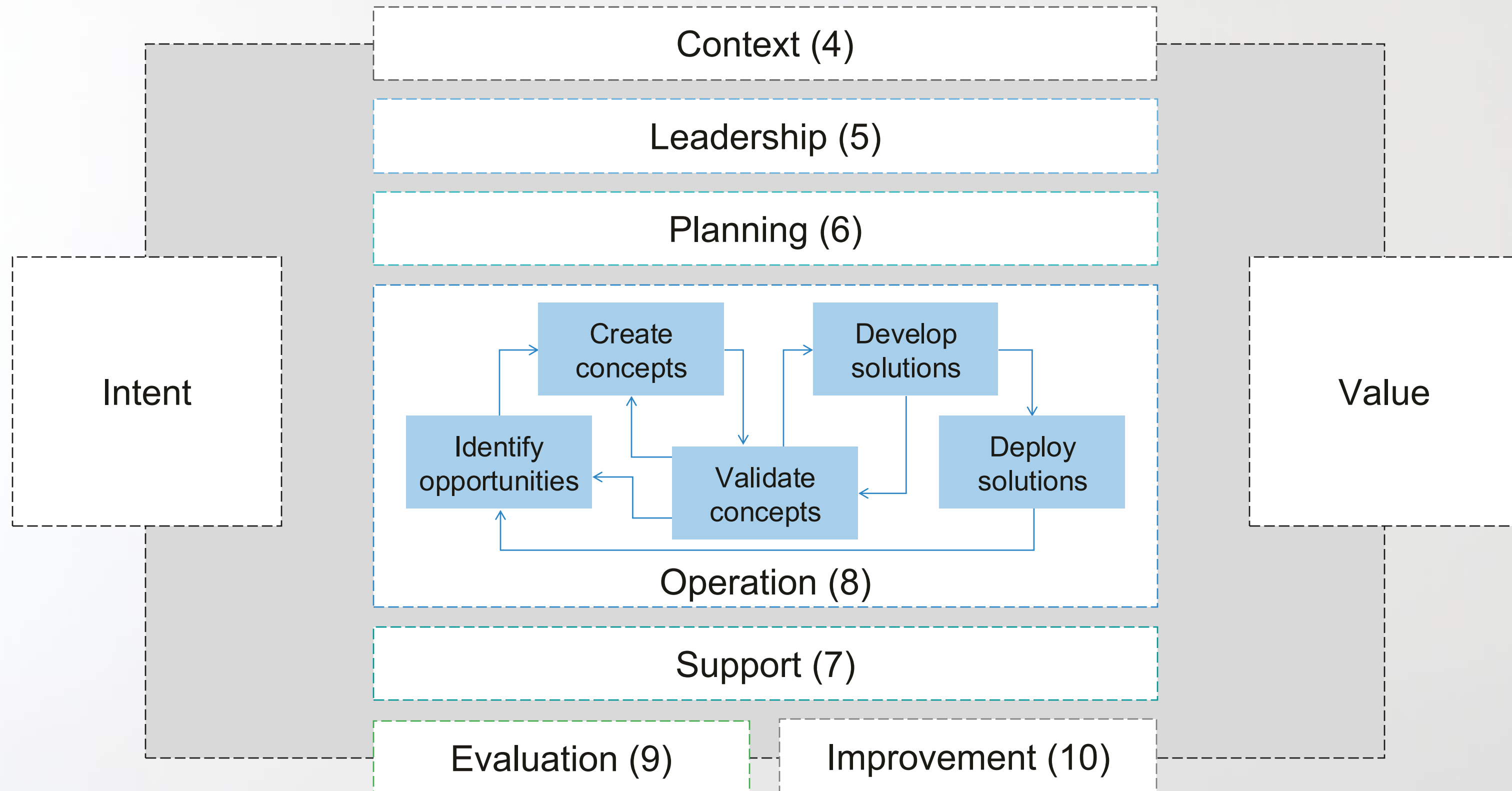
# What actually is innovation?



Innovation is characterized by novelty, value, and impact.  
If ideas **do not** realize value, then **it is not** considered innovation



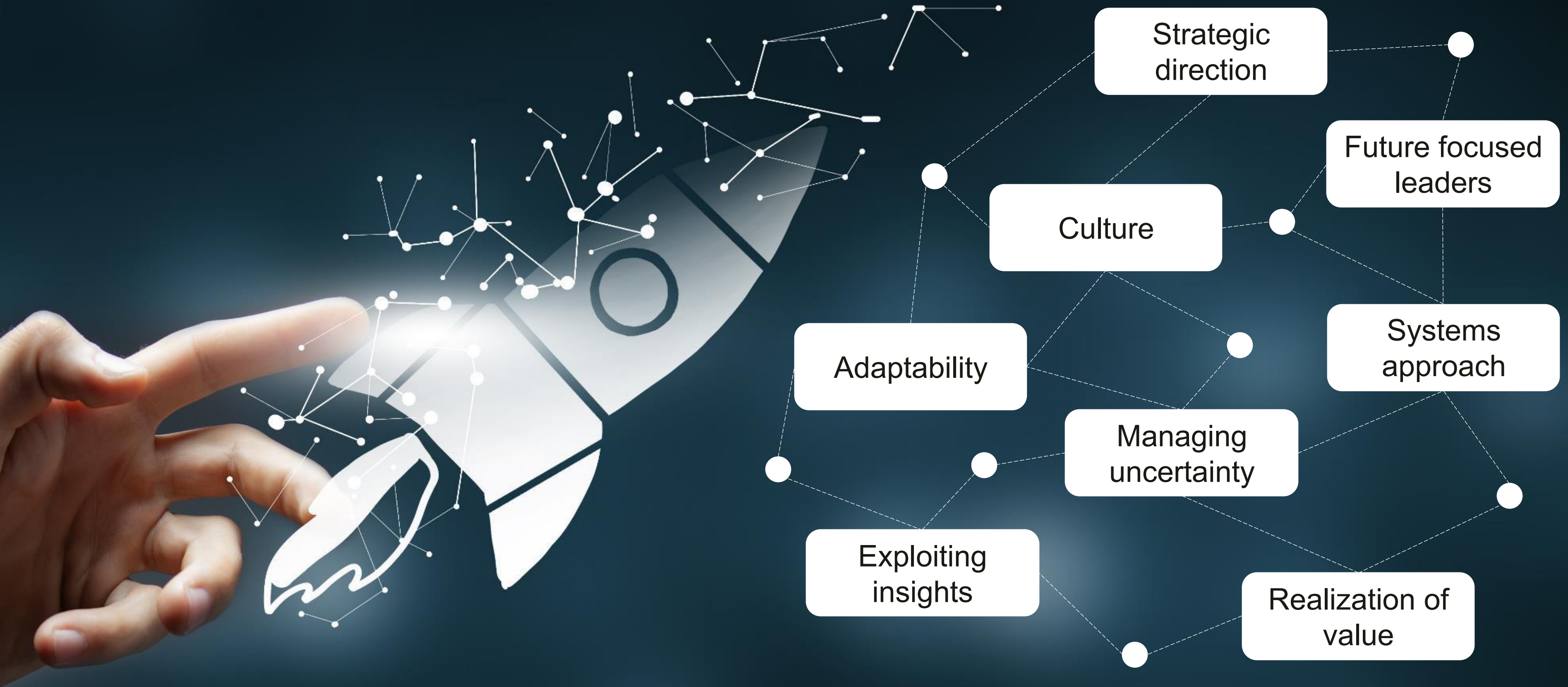
# Systems approach to innovation management



# ISO 56000 Series - Innovation management

- 0 - Fundamentals and vocabulary**
- 1 - Innovation management system**
- 2 - Innovation management systems - guidance**
- 3 - Partnerships**
- 4 - Assessment**
- 5 - Intellectual property management.**
- 6 - Strategic Intelligence management.**
- 7 - Idea management.**
- 8 - Innovation operation measurements**





The 8 innovation management principles



# ISO 56000 - on board

**Gamify!**

**Collaborative  
Creative  
Learning**



# Learning

# A journey



**April 2021**  
Innovation consulting

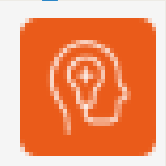
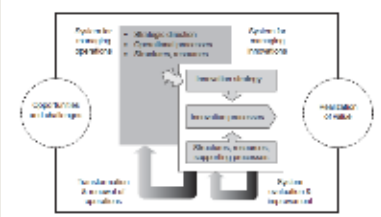


**Dec 2021**  
BSI Kitemark  
Success



**2024**  
Digital Innovation

**May 2025**  
Major projects  
Systems integration



**May 2023**  
Challenge-led innovation  
campaigns



**June 2021**  
Innovation strategy

**August 2019**  
Mott MacDonald Ventures



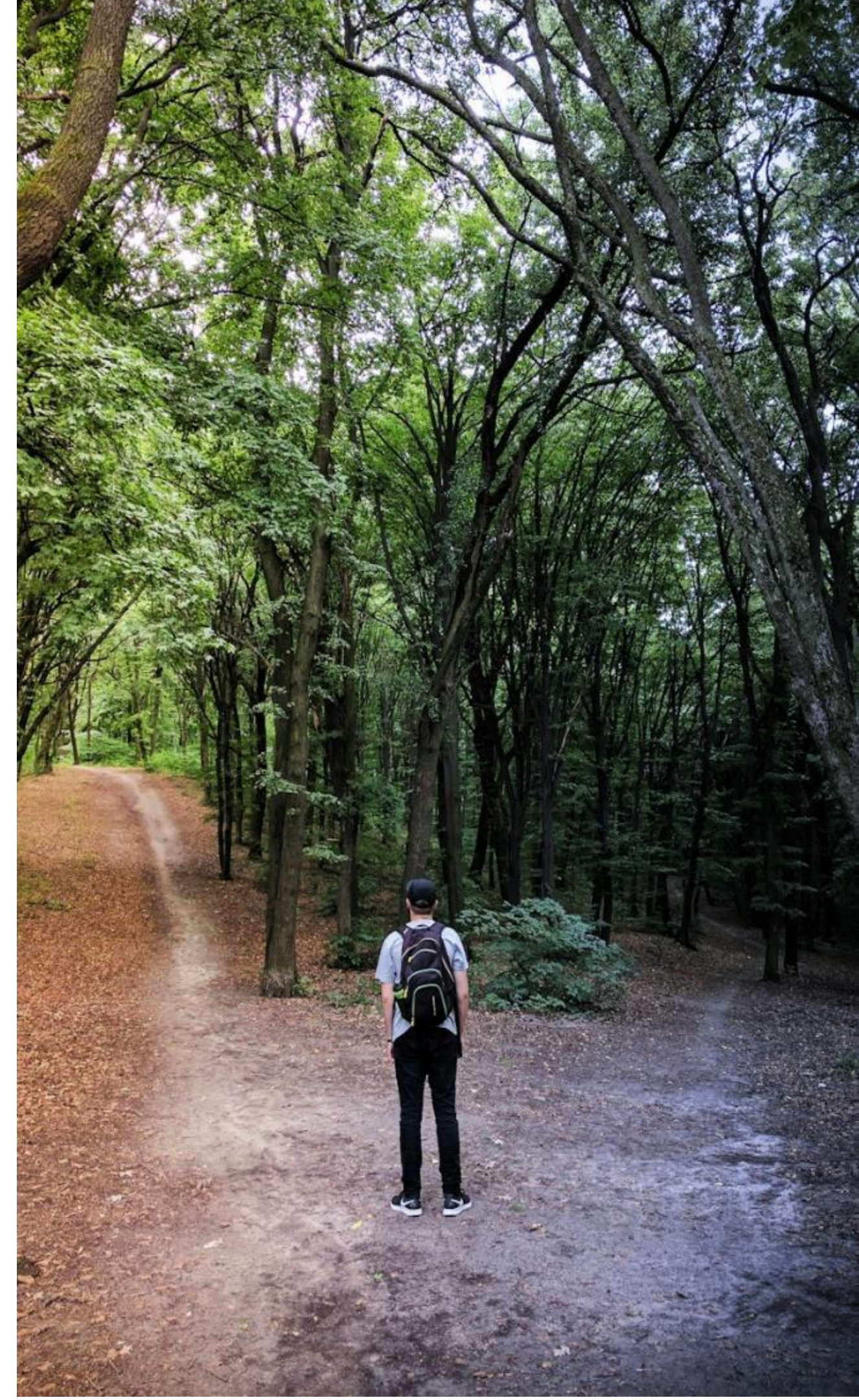
**2018**  
Innovation strategy





# More learning

- **Confidence** - A standards-based approach gives investment confidence to senior leaders
- **Decisions** – In conditions of uncertainty, operational managers may benefit from applying a learning mindset to progress the opportunities
- **Systematic approach** – Integrating IMS with a wider Business Management System is both effective and efficient
- **Systemic approach** – providing guidance to address the interrelationships help manage uncertainty





# Ambition

# ISO 56000 Series - Innovation management

## In progress

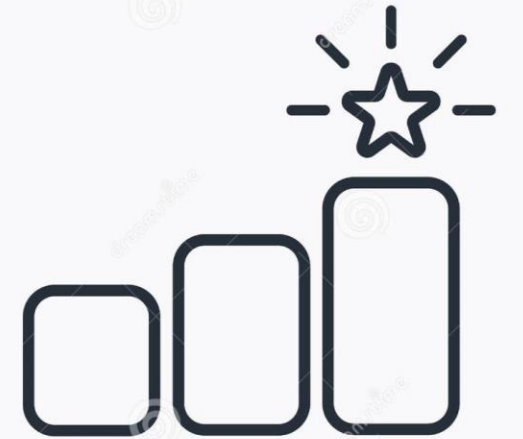
**ISO 560xx – Innovation ecosystem management.**

**ISO 560xx – Innovation portfolio management.**

**ISO 560xx – Innovation competencies**

## Accreditation

**ISO 17021 +x Certification bodies competence standard**





# Innovation competencies

## 5 levels

Chief innovation officer

Innovation manager

Innovation specialist

Innovation technician

Innovation assistant

## EQF basis

Cen and ISO

European  
Qualification  
Framework

Level 4- 8

## KSB

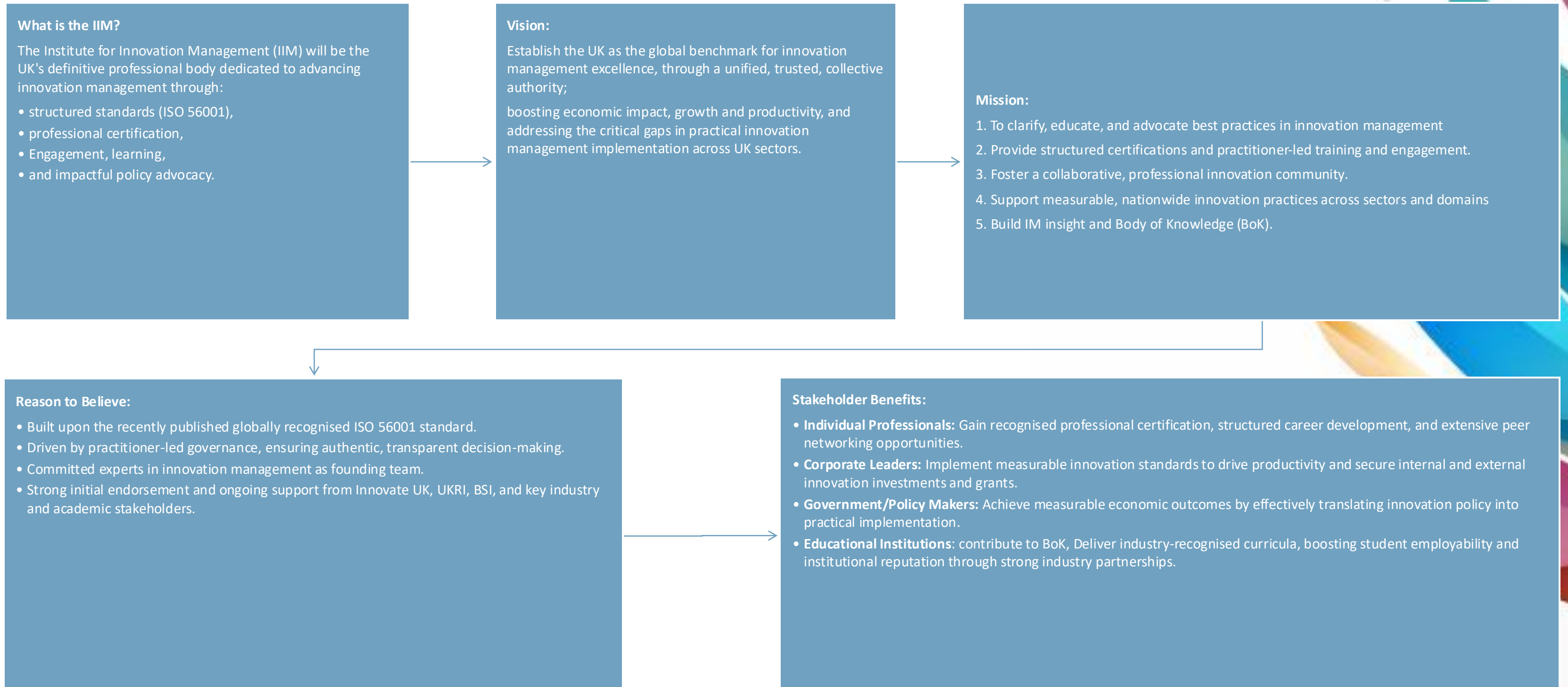
Knowledge

Skills

Behaviours

**Basis of UK Innovation related courses !**

# Institute for Innovation Management (IIM)



# Questions

What resonated?

Who are the key stakeholders in UK Learning?

How might we integrate ISO 56000 in UK learning content?



Thanks for listening

Please complete this  
short survey ...

