



# Growing UK AI ecosystem

5 months Machine Intelligence Garage - what have we learned

**OECD, Wednesday 20th June 2018**

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## Accelerating the early adoption of advanced digital technologies across the UK.

### The Technologies



#### Artificial Intelligence

AI & Machine Learning



#### Future Networks

5G & Low Powered Wide Area Networks



#### Immersive

VR/AR/MR & Haptics

### The Challenges

#### Lack of access to facilities

cost, location barriers, access leading-edge equipment

#### Fragmented landscape

cultural divide between digital and traditional sectors

#### A knowledge gap

opportunities, challenges and benefits

London AI ecosystem: **2x** more than **Paris** and **Berlin combined**





## Machine intelligence startups face specific barriers:

- Access to talent
- Access to training data: cost, quantity & privacy
- Industry adoption
- Access to legal frameworks
- Access to clients
- AI Plumbing
  - The principles, technologies, tooling and processes required [in addition to the 'core' machine intelligence code] to build and deploy AI at scale.
  - Complex, Risky, Expensive?



# MI Garage provides:

Access to Compute Power for early stage AI companies

A place for companies of all sizes to experiment and collaborate

An applicable set of principles for sustainable AI development

## Access to computation is a barrier to Machine Intelligence innovation

# 60%

of startups agreed that they were computation constrained







# Machine Intelligence Garage

## 'hello world'



Hosted hardware (Nvidia DGX-1 and Graphcore IPUs)



Cloud computing vouchers



Access to existing UK HPC infrastructure



Demo and Experimentation Space with new ML chips



# Impact: 5 months of MI Garage

**3 Cohorts since 23 Jan 2018**

**Applications received: 57**

**Companies onboarded: 19**

**Impact: £1,080,293 in convened income**

# Impact: Cohorts

## **Predina:**

“Machine Intelligence Garage offering at the moment has no match to the help they provide. Quite impressive! It provides computing power for startups who can't afford the high cost for Machine Learning Solutions.

## **Intellisense:**

“We were able to get access to Cloud computing resources that would be out of reach for us otherwise. Machine Intelligence Garage took us through all the steps required to get us started with AWS and are continuing to support us making most of these resources.”

## **Bloomsbury AI:**

“ Compared to other programmes, Machine Intelligence Garage focuses more on the resources startups need.”

# Want to know more?

[www.migarage.ai](http://www.migarage.ai)



[www.cognitionx.com](http://www.cognitionx.com)



# Thank you

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