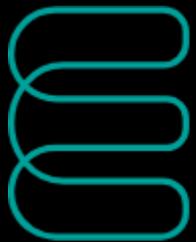


# Learnings from Japan; an EEUK Mission

Dr Charlotte Hope, Newcastle University



Enterprise  
Educators  
UK



UK Science  
& Innovation  
Network



British Embassy  
Tokyo

# Overview

- To provide the context of the trip
- To examine the enterprise education provision in Japan (Tokyo and Osaka)
- To review best practice examples from Japan
- To discuss similarities to other countries
- To explore ways in which we can embed examples in our own institutions



# The Mission

- Led by EEUK
- In collaboration with the British Embassy's Tokyo Science and Innovation Network
- and the British Council,
- Aim to discuss best practice, new initiatives and collaboration

- Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- EDGE Program (Enhancing Development of Global Entrepreneur)
- EDGE Next (Exploration and Development of Global Entrepreneurship for NEXT generation)
- EDGE Next focuses less on technology – more on skills and entrepreneurial mind-set



# The Delegates



# Team Tokyo

Dr Charlotte Hope – Newcastle University

Gurpeet Jagpal – London Southbank University

Charlie Wheeldon – Loughborough University

Dr Fumi Kitagawa – University of Edinburgh

Suzanne Marchant – University of Leeds



# Team Osaka

Jon Powell – Lancaster University

Dr Tom Williamson – Coventry University

Lauren Davies – Cardiff Met

Prof Nigel Culkin – University of Hertfordshire

Amy Lothian – Kings College London





# Tokyo Institutions

University of Tokyo

Tokyo Institute of Technology

Keio University

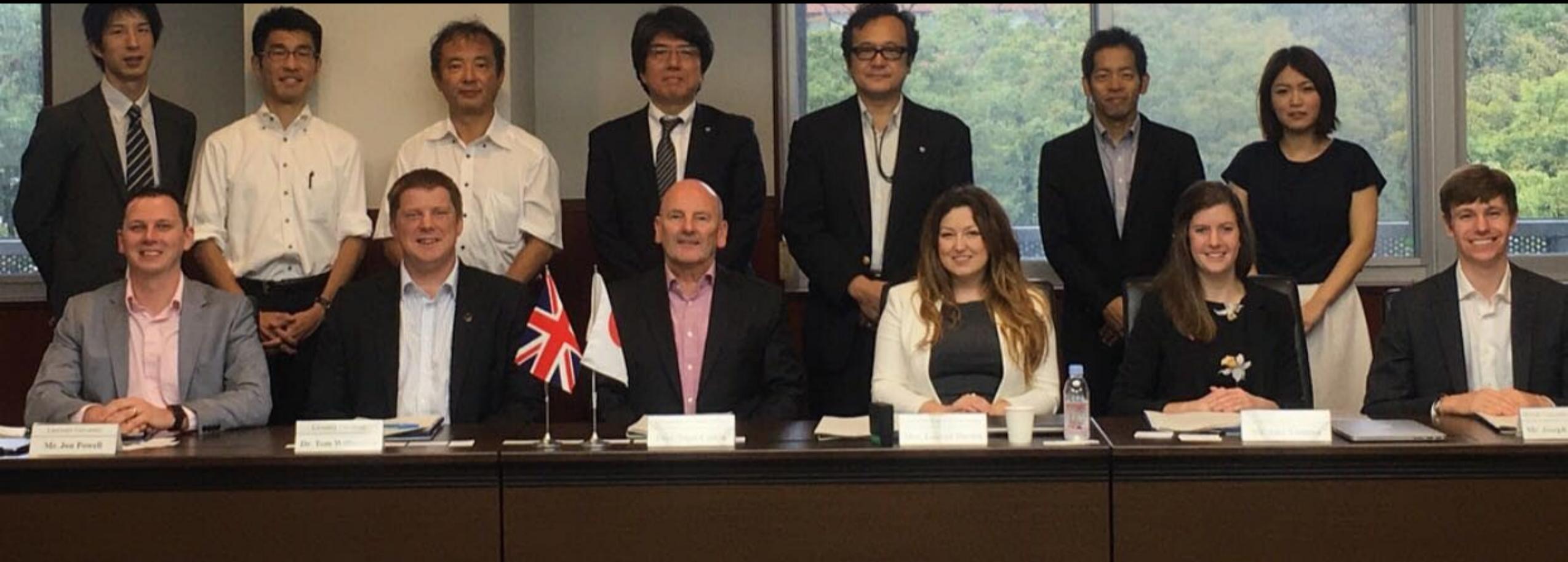
Waseda University

# Osaka Institutions

Osaka University

Osaka Prefecture University

Nara Institute of Science and Technology

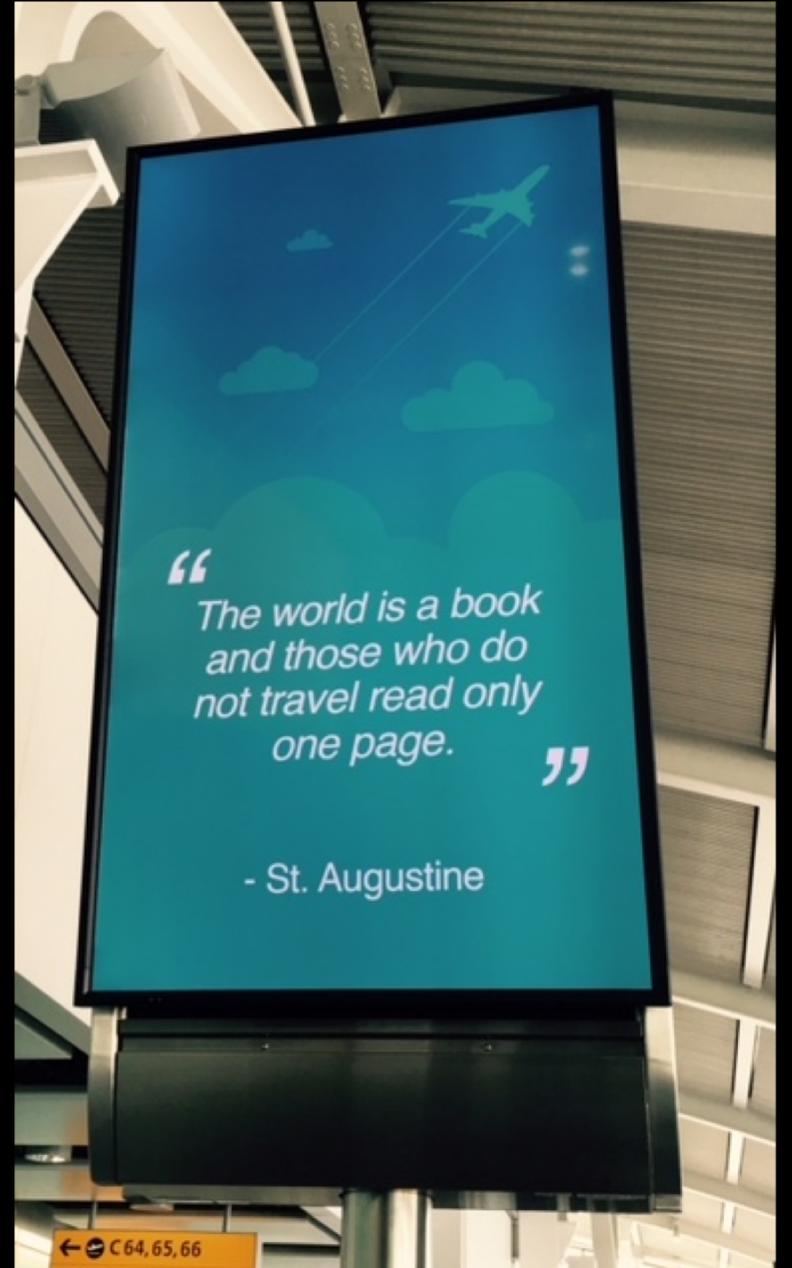


# Key Lessons Learnt

- A lot of money being input – but only in to R&D innovation and high tech commercialisation
- Companies pay to send employees to join teams and learn
- Struggle to engage students – it is easy to get a job in a big company in Japan
- Not much social enterprise or SME work in Tokyo – present in Osaka
- Have fab labs for students – can make immediate prototype (good for neuro diverse students)
- Distinct lack of female representation
- Bringing in international expertise – caution with UK and Brexit!

- More needs to be done to embed entrepreneurship into the curriculum
- More support is needed for Japanese startups
- Students know best
- Real-life problems should be central
- We need to create global citizens and there is huge potential for international exchange
- Diversity is still a problem
- Japan needs more role models and culture change to support entrepreneurship
- More resource is needed for coordination, communication & celebration

# Examples of Best Practice



# University of Tokyo – iSchool



- Student teams
- Bought each team a different electrical item
- Task – deconstruct the item, understand what each part does, put it back together

*Is this product sustainable?*

*No.*

- How can you make it sustainable?

# Keio University



- 3 types of innovative thinking workshops
  - Attend – designed by others
  - Habit – you design
  - Lead - you design for other people
- Attend – ½ day training course
- Habit – 4 month problem based learning course, students help design the workshop and facilitate – with a goal in mind
- Lead – 6 month elective course, design others thinking steps for other goals

# Osaka University

- Cross Boundary Innovation Programme
- Focused on increasing the number of doctorate students by providing a 'new age PhD'
- Combining traditional skills with complex problem solving
- Transdisciplinary approach to solve real social issues.



# Osaka Innovation Hub

- Osaka Prefecture Government and Osaka City Government
- Includes co-working and retail space within a shopping centre in which start-ups can receive feedback from consumers on beta versions of their products
- Encompassing the lean start-up methodology.





# Discussion – Similarities To Other Countries

In Small Groups – Please

- Discuss other countries you have visited
- Share examples of good practice
- Comparisons to Japan



10minutes and then share with the room

# Discussion – how to apply best practices

## EXAMPLES

In Small Groups – Please...

- Discuss if your institution operates these or similar practices
- Consider ways in which these learnings can be applied to your ‘everyday’ activities

10minutes and then share with the room

| .....<br>御計算書<br>..... |            |        |
|------------------------|------------|--------|
| テーブル                   | 21         |        |
| 人数                     | 5          |        |
| 担当                     | 15 郷 才好    |        |
| 伝票                     | 16659-     |        |
| 2017年03月27日 19:43      |            |        |
| 数                      | メニュー名      | 金額     |
| 1                      | アホカと湯葉の刺身  | 680    |
| 5                      | ◆お通し       | 2,500  |
| 3                      | 国産牛の赤身串    | 2,040  |
| 2                      | カ プレミアムモルツ | 1,700  |
| 1                      | 鹿児島豚の豚バラ串  | 480    |
| 2                      | 枝付枝豆       | 1,000  |
| 1                      | 極上 国産牛の炙り飯 | 1,000  |
| 1                      | ひんやりトマトサラダ | 480    |
| 1                      | 日南鶏の唐揚げ    | 680    |
| 1                      | タコの唐揚げ     | 580    |
| 2                      | ポテトフライ     | 1,100  |
| 1                      | もも肉串       | 180    |
| 3                      | ふりそで串      | 780    |
| 1                      | コカコーラZERO  | 400    |
| 1                      | プレミアムモルツ   | 580    |
| 小計                     |            | 14,180 |
| 21                     |            |        |
| ★★再発行★★                |            |        |

# Summary

- Japan supports enterprise and innovation but this still has a long way to go
- Similar activities to the UK – but limited collaboration (RENKEI)
- Heavy STEM focus
- Struggle to engage students



Thank You

Questions?



Enterprise  
Educators  
UK



UK Science  
& Innovation  
Network



British Embassy  
Tokyo