

Future Towns Innovation Hub



Prof. Paul Kemp: PI & Innovation Director

Prof. Clint Styles: Managing Director

University of Southampton Science Park

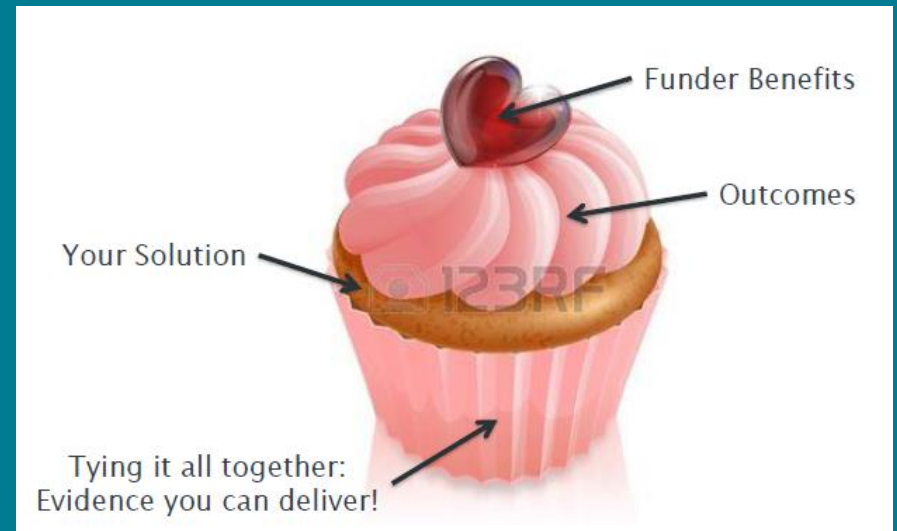
EM3 LEP (£3m) & Research England (£1.5m)

Seminar Outline

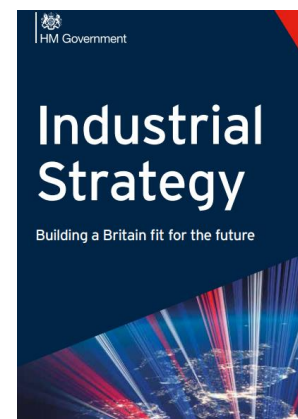
- Context and Landscape
 - Placemaking, Local Industrial Strategy, Levelling Up, Net Zero, Sustainability, Build Back Better etc.
- Future Towns Innovation Hub
 - Vision “Happy, Healthy, Prosperous Towns”
 - Model “One Stop Shop for Innovation”
 - Technology push meets market pull “Collaboration Zone”
 - Current Status
- Future Towns Mobility Demonstrator Project (~£1m)
 - Rapid reallocation of road space
 - Micro-mobility demonstrator
 - Smart shopper App

 Dr Ioannis Kaparias & Prof John Preston

Context & Landscape



Government 'Mood Music'

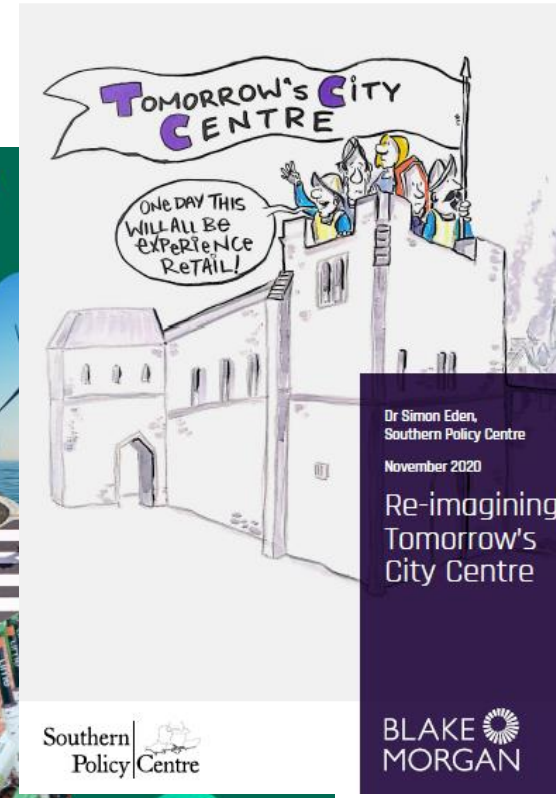
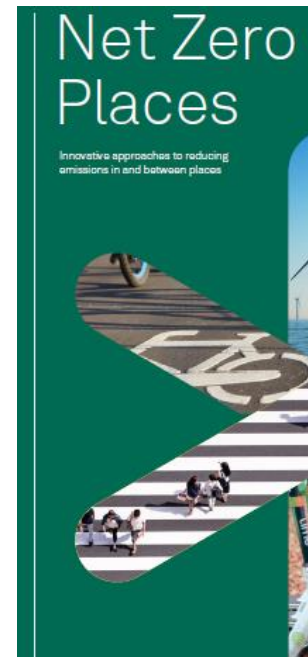


- Industrial Strategy (post BREXIT): long-term plan to boost the productivity and earning power of people throughout the UK. Grand Challenges, Ideas, People, Places, Infrastructure, Business Environment.
- Build Back Better (post COVID): support economic growth through significant investment in infrastructure, skills and innovation.
- Levelling Up: reduce the inequalities between different parts of the UK.
- Net Zero: UK to bring all greenhouse gas emissions to net zero by 2050.
- Green Industrial Revolution & 4th Industrial Revolution

Place Making

- Meetings with Alison Barnes (CEO New Forest National Park), Simon Eden (Southern Policy Centre) and Chris Cooper (KnowNow Info Ltd.). Ensure post COVID economic recovery is green, low-C and sustainable.
- Greenprint: NetZero with Nature; Natural Health Service; World class blue/green environments; Great places through design/build; CofE in green skills/jobs.
- Prospectus for a Smarter South: “maximise the economic, environmental and social opportunities that the use of technology can offer our communities”.

UNIVERSITY OF
Southampton

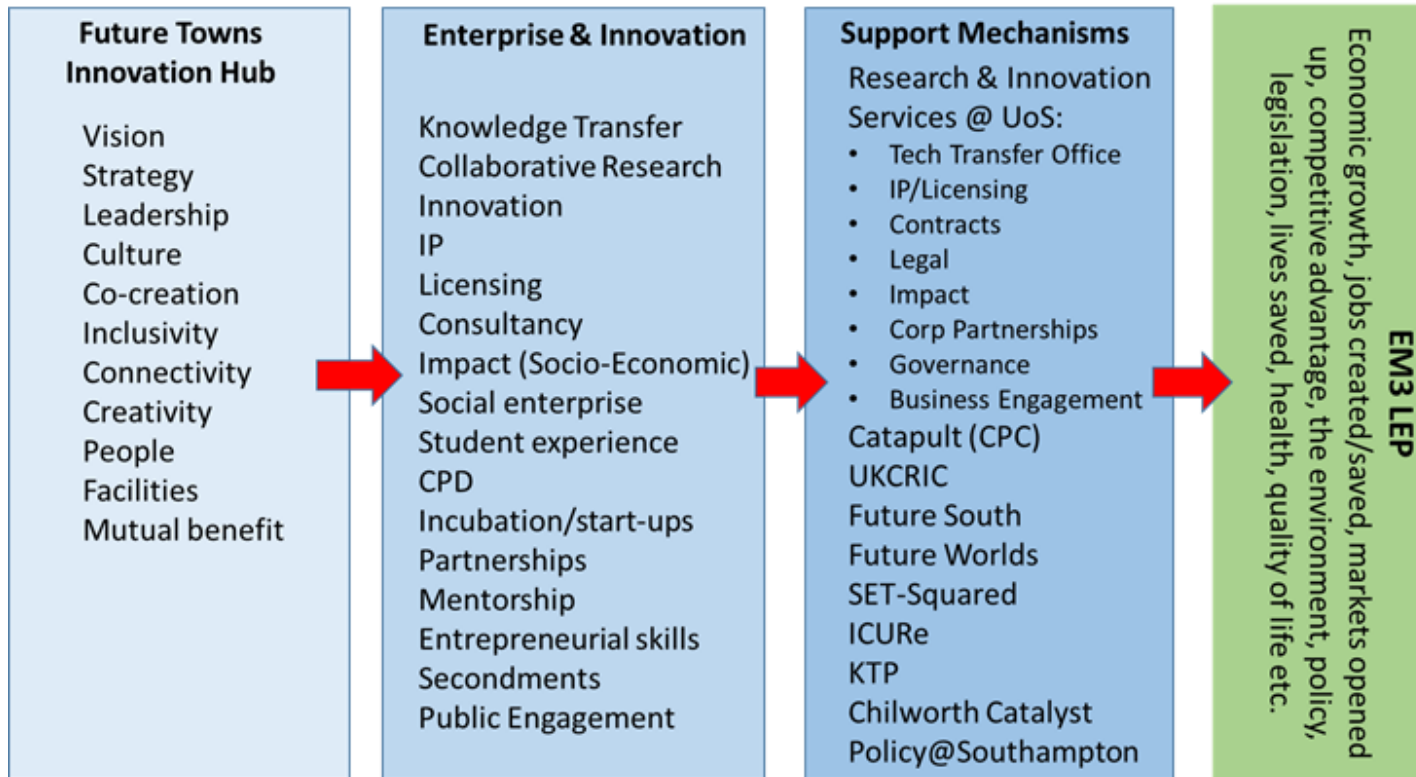


GREENPRINT FOR SOUTH HAMPSHIRE

“A MORE PROSPEROUS, FAIR, RESILIENT AND ENVIRONMENTALLY AWARE SOCIETY”

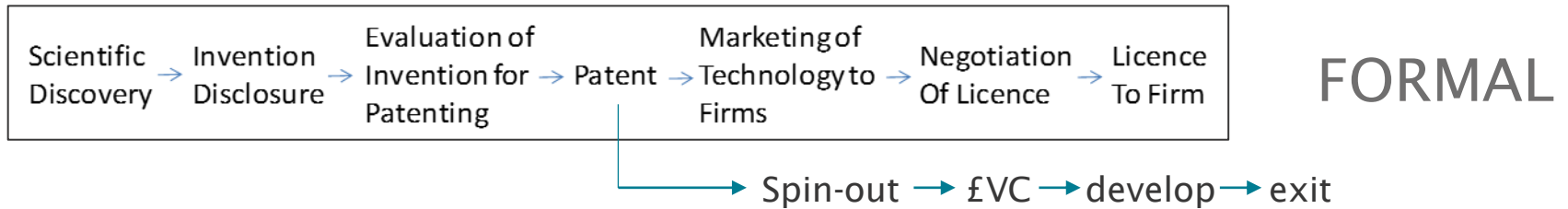
Vision of the FTIH

- Happy, Healthy, Prosperous Towns.



➔ 'Eco-System of Innovation'

The Vision (Collab) UNIVERSITY OF Southampton

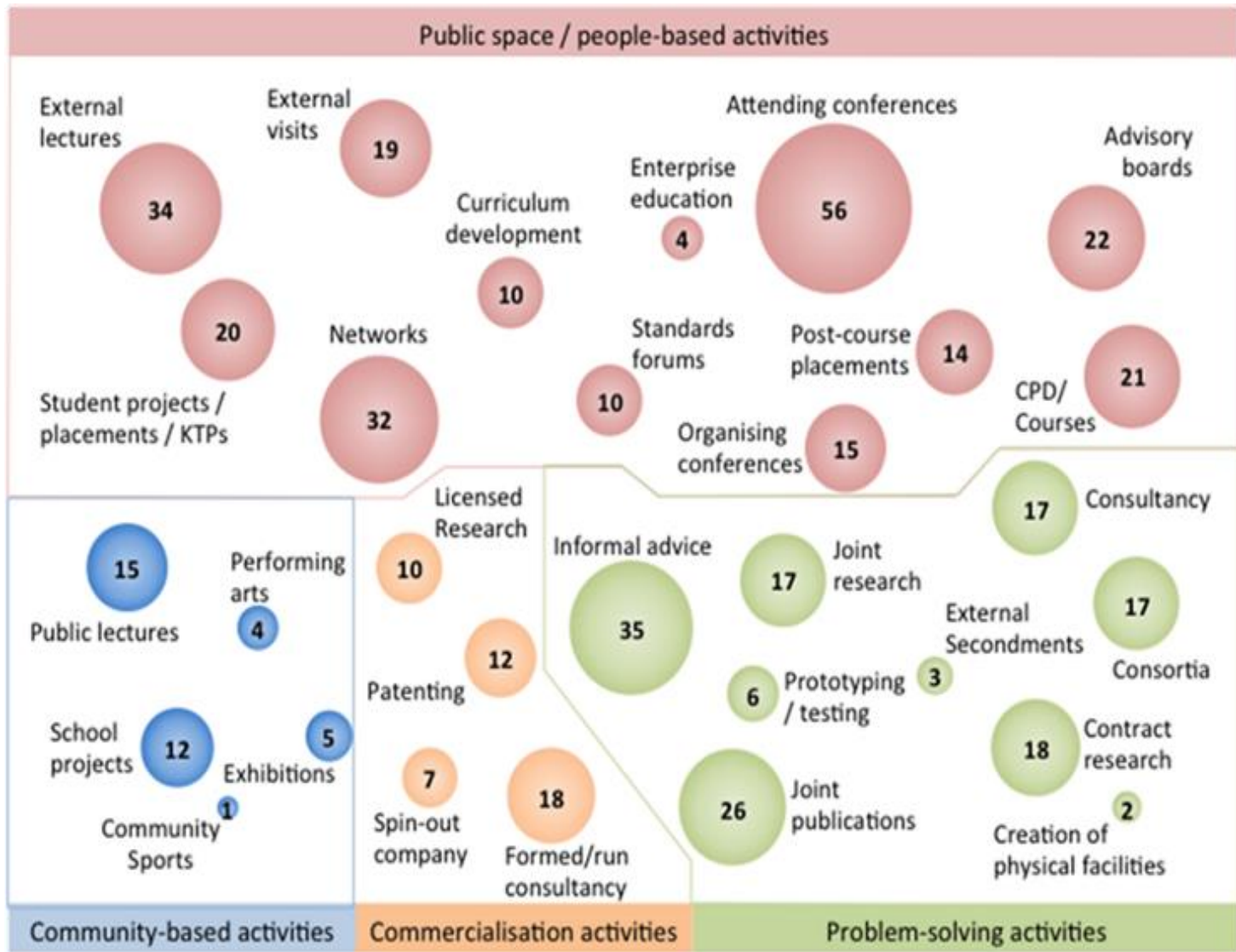


- Large, science-industry specific projects between large corporates and research intensive universities.
- “Universities at the heart of Knowledge Exchange Eco-systems”
- ‘Narrative Statements’ in the Knowledge Exchange Framework



➔ Technology Transfer AND Knowledge Exchange

My take: Innov/KE



Number in bubbles is the % of academics engaging at least three times over the past three years in that mechanism, or at least once in the past three years for commercialisation activities.

Figure 2: Types of university-business interaction contributing to innovation

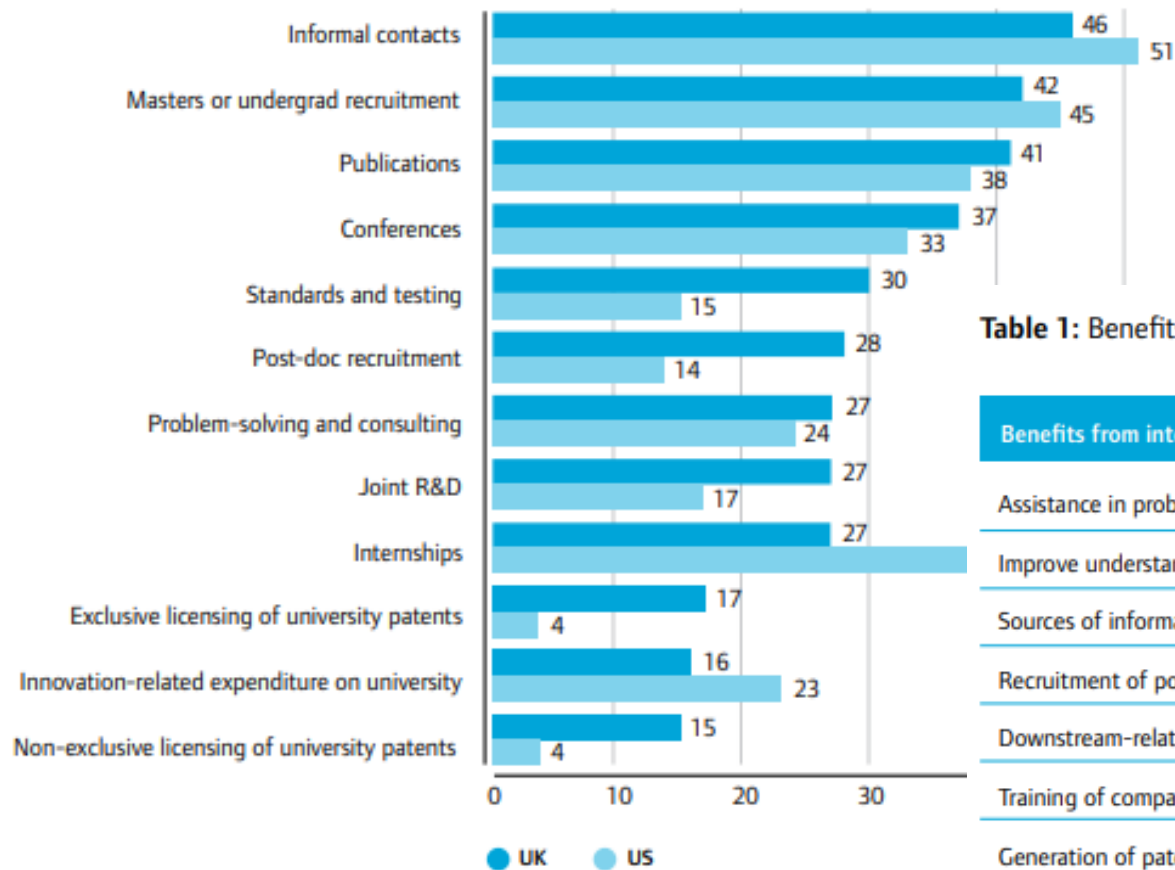


Table 1: Benefits reported by firms from interactions with universities

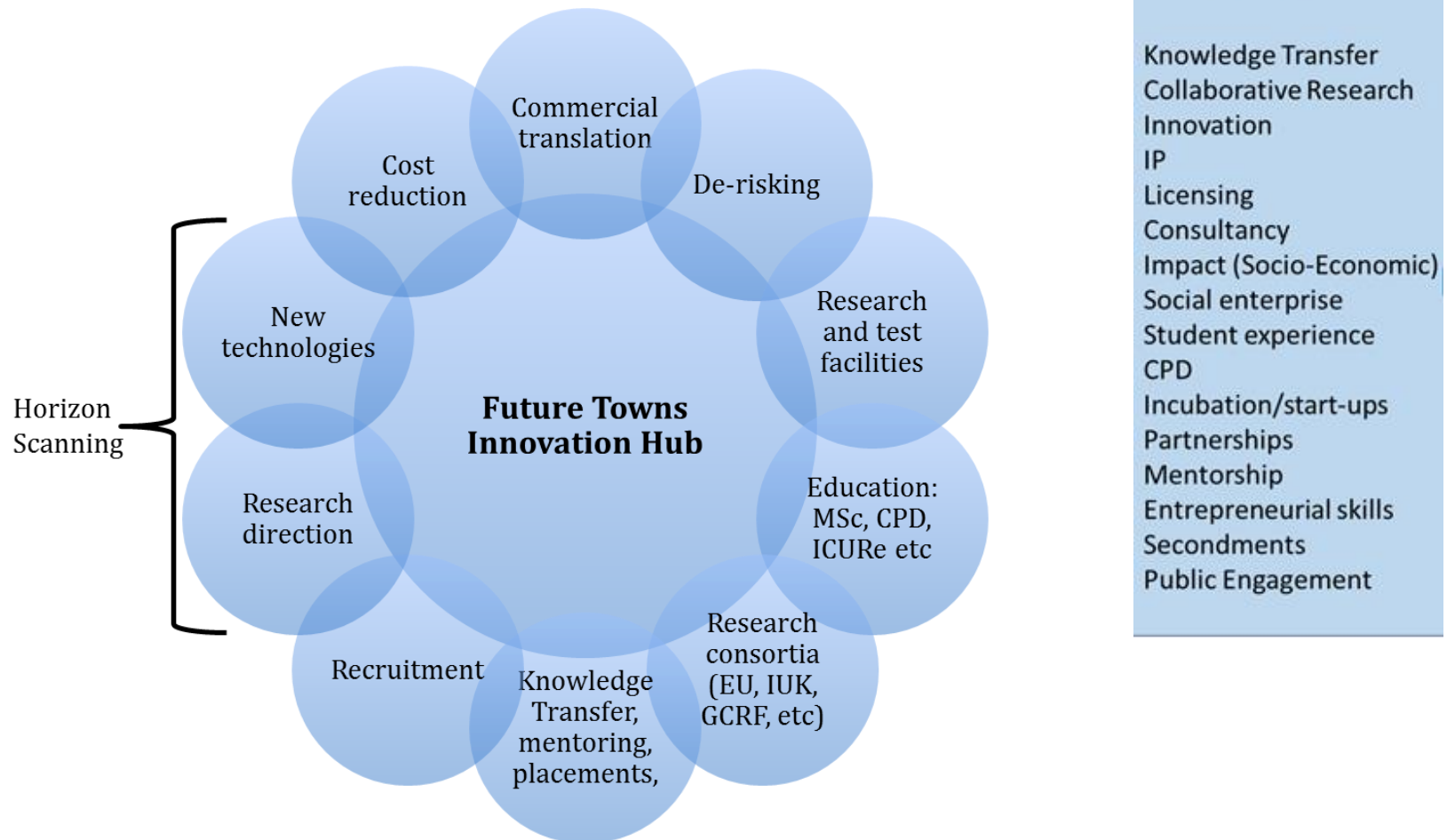
Benefits from interactions with university	Percentage of firms
Assistance in problem solving	67.3
Improve understanding	66.7
Sources of information for new projects	57.5
Recruitment of postgraduates	42.0
Downstream-related activities	29.3
Training of company employees	27.4
Generation of patents	20.0

Source: Cosh, A., Hughes, A. and Lester, R. (2006) 'UK PLC: Just how innovative are we?' Can

Source: D'Este, P. (2008). 'Gaining from Interactions with University: Multiple Methods for Nurturing Absorptive Capacity.' Paper presented at the DRUID Conference on Entrepreneurship and Innovation – Organizations, Systems and Regions, Copenhagen, Denmark, June, 2008.

The Model

- ‘One-Stop-Shop’ for Enterprise & Innovation.



Making it Happen

- Support Mechanisms



Support Mechanisms

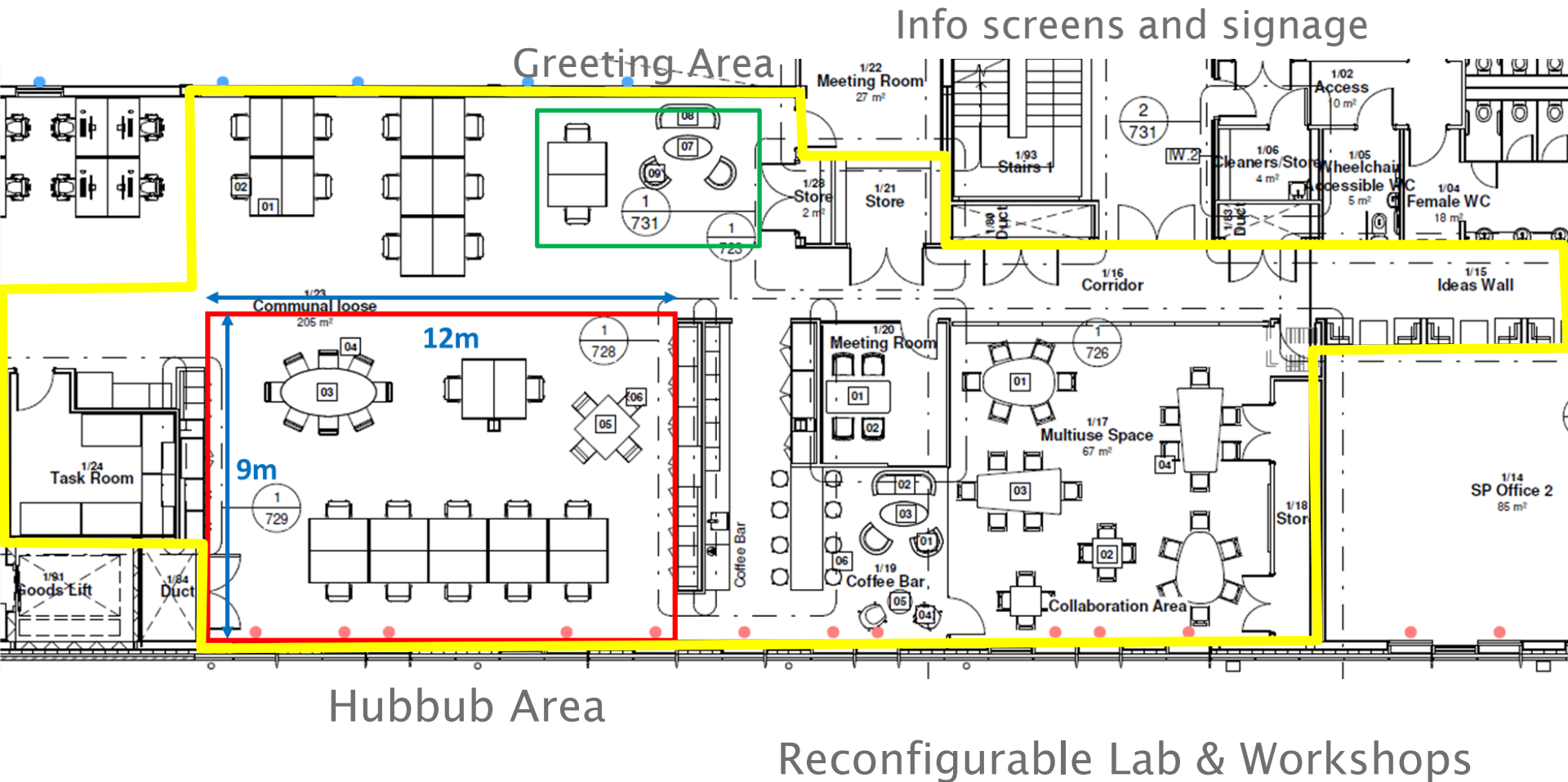
Research & Innovation Services @ UoS:

- Tech Transfer Office
- IP/Licensing
- Contracts
- Legal
- Impact
- Corp Partnerships
- Governance
- Business Engagement
- Impact (CPC)

- Centre for Towns
- Serco
- Wessex AHSN
- Barclay's Eagle
- Nquiring Minds
- Anesco Ltd
- Sparsholt College
- Project Beyond
- Carbon Limiting Tech
- Metro Dynamics
- UoS Env & Sustainability Group
- LEP engaging Leaders & Chief Execs
- Many more to follow!

➔ No apologies for this diagram being busy. It is meant to be!

Collaboration Zone



Collaboration Zone



Communal Loose



Multi-Use Space



Coffee Bar & Kitchenette

Site Photos



A Building is
only a Building

Recent Activity

UNIVERSITY OF
Southampton

Visiting Business Fellow at Connected Places
Catapult.

Clean Carbon USRG and IDRIC

EM3 LEP Skills Action Plan:

Digital Higher Skills Partnership.

National Centre for skills and talent for Sustainable
Construction.

Apprenticeship & Skills Hub (low-c industries)

Test Valley BC 'brainstorm' planned.

Green Print and Prospectus for a Smarter South

Request to host a Future Highstreets event run by
TechSolent

Future Towns Mobility Demonstrator