

# Key sectors



Just how big is science and technology in the Edinburgh City Region?

	Employment	Companies	Annual GVA (mill)
Life Sciences	10,500	146	471.8
Electronics	18,000	70	1,192.2
Aerospace	4,000	-	330.8
Chemicals	2,000	54	138.6
<u>Total</u>	34,500	270	2,133.4

- $\bullet$  Estimated value of science related activities, 40,000 plus jobs and £2.3 billion GVA
- $\bullet$  University of Edinburgh ranked  $5^{\text{th}}$  in Europe and  $23^{\text{rd}}$  in the world
- Work Foundation ideopolis, 9 key drivers present

European Union

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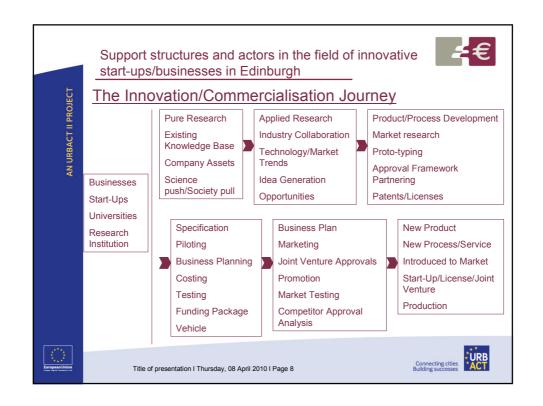
Connecting cities Building successes

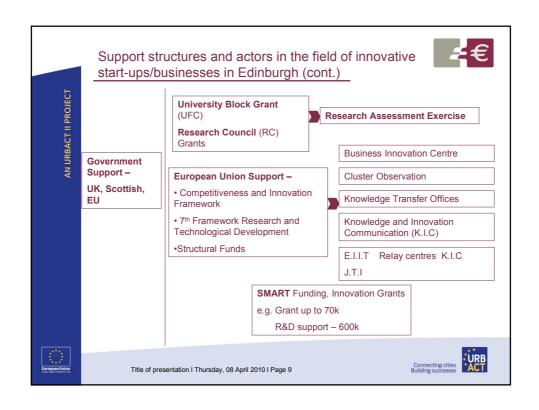
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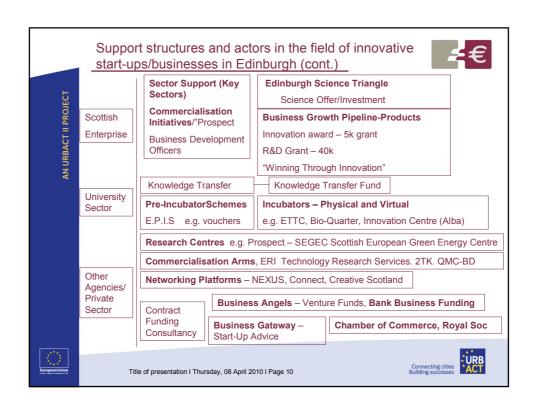






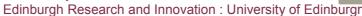








# Case Study 1



Established in 1969

Over 40 years 200 companies formed

Can claim a number of firsts:

- · First genetically engineered vaccine against Hepatitis B
- · First Scottish University Spin-out Company on Stock Exchange
- Largest Ever Spin-out £ 7.4 M
- · World's smallest TV screen
- Renewable energy New Generator designed for wind turbines.
   Make wind power cheaper and more reliable.

08/09 Research Awards 249 m

\*Wheelchair

Patents

\* Pufferball

Spin- Outs

89 17



86



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## Case Study 2 Starter for Six - Inspiring Enterprise



<u>Aim</u>: "Taking a creative, innovative idea and turning it into commercial reality"

- Six weeks business training programme in Edinburgh, Dundee, Aberdeen and Glasgow
- · Based on NESTA Research
- · Creative Industries focus
- · Possible 10k feasibility study following programme
- · Tailor advice to type of business



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# Case Study 3 Edinburgh Technology Transfer Centre



- · University and Council Collaboration
- Helping entrepreneurs within the University who have a good idea/ product tot set up companies and spin-out
- Subsidised business accommodation for up to 11 enterprises at the University Campus
- Access to Research facilities (i.e. clean room)
- · Targeted business development support and training
- · Networking and peer support
- Average 10 12 companies per year with 2 3 spinouts/graduations



All sectors/ departments
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# Case Study 4 Edinburgh Bio-Quarter

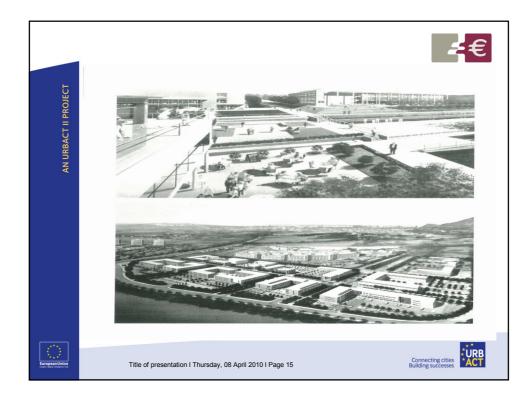


- · Landmark life-science real estate development
- · Located next to major new Hospital and Medical training School
- · Public/ Private Collaboration
- · Over 1Billion of investment over 15 years
- · 1.4 million Square feet
- · 100 acre bio-medical park
- · Creation 6500 high quality jobs on site
- Partners: University of Edinburgh, NHS Scotland, Scottish Enterprise, Alexandria Real Estate
- · Proposed Tram link
- · Centre for Regenerative Medicine
- European ERDF support (\*picture)





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# Case Study 5 Edinburgh Science Triangle



<u>Aim</u>: "Science Park/ Local Authority/ Scottish Enterprise Network to promote inward investment and the importance of science to the economy"

- · A relevant proposition for the science case
- · Web-site/sector networking Inward investment
- · International marketing with SDI
- · Increased collaboration
- · Professional and social networks
- Career development
- · Market intelligence
- · Public engagement
- · Strategic issues
- 7 Major science parks across the region

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### Conclusions



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· Improved interface between academia and business

- · Physical and virtual incubation around critical masses
- · Innovation around key societal challenges e.g. renewables, sustainability, climate change
- · Innovation as a driver to business competitiveness and resilience
- · More 'up-stream' feasibility / proto typing support
- Development of growth sectoral / sub-sectoral networks or platforms
- More use for 'open' innovation
- European synergies joint venturing / technologies and markets
- · Innovation on key business process at every level and business sector



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Grazie Thanks
Danke Merci Gracias
Ευχωριστώ multumesc
Takk dziękuję dakujem hvala AN URBACT II PROJECT Obrigado dziękować tänan kiitos köszönöm aciu Tack děkuji paldies niżżik ħajr dank u wel