



UK Space Agency Update for CEOs

<http://www.bis.gov.uk/ukspaceagency>

May 2013

To meet national needs, the **UK Space Agency** is responsible for ensuring that the UK retains and grows a strategic capability in space-based systems, technologies, science and applications

An Executive Agency of the Department of Business, Innovation and Skills, we report to the Minister of Universities and Science - David Willetts

2012/13
Budget: £240M

Fully operational in April 2011

HQ in Swindon, Wiltshire

Provide Government with space policy advice

Invest in the UK's space industrial and research base

Transfer space technology and services into the UK economy

Manage and exploit investment in EU space programmes

£30M National Space Programme + admin

£210M ESA Programme

43 staff: policy, technical, programmes, administration

Offices in London and Harwell, Oxford

Regulate and licence UK civil space activities

Represent the UK's interests in Europe and overseas

Increase use of space in government

Present the UK's space programme to the public

technology, instruments, national and bilateral missions

Science
Earth Observation
Telecoms
Navigation
Exploration
Technology

Growth through innovation

Growth through exports

Science as an enabler of growth

Civil Space Strategy



Goal: £40B sector by 2030

Winning a larger share of the global market

Exploring space to gain new knowledge, train the next generation and create new technology

New uses of space such as climate change services

Education for space and space for education

Growth through exploiting new opportunities

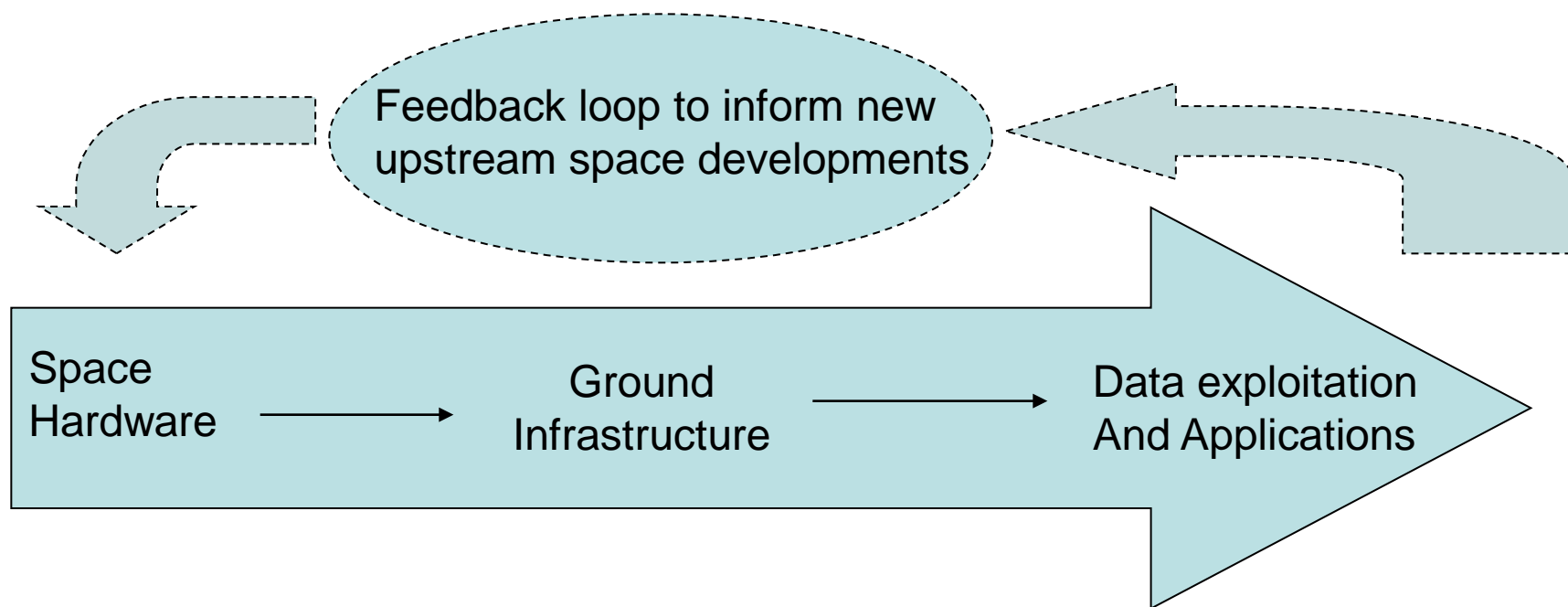
Education for growth

Using space across the public sector to deliver more efficient services

Growth through smarter government



UK Space Agency Earth Observation (EO) Activities



13/14 UK's major EO investments remain:

ESA - Earth Observation Envelope Programme

EU – Copernicus (Global Monitoring for Environment and Security)

UK Space Agency Earth Observation Activities 13/14

- plan ESA investments (EOEP-4, GMES, Metop SG, LTDP, CCI)

- Support growth of ESA Harwell Centre

- prepare UK for Copernicus programme

- Space innovation and growth strategy – update to highlight the major growth actions needed in UK

- New EO strategy in development (Climate data and services, radar and security, low cost missions)

- EO instrumentation funding/National Space Technology Programme

- Major instrument/mission/capital investment prioritisation

- GMES ground segment develop

- Support development of Harwell space gateway (e.g. Space Applications Catapult and facility for Climate and Environmental Monitoring from Space)

- NovaSAR mission - data policy and services

- Establish National Space Applications Programme

- Emerging EU policy



National Space Application Programme

Applications are central to the growth agenda:

1 Telecommunications

2 Earth observation

3 Position, Navigation & Timing

4 Integrated applications of space + terrestrial data

**NSAP
launching in
2013**

**Developing
national and
international
policy to assist
growth of
space
applications**

**Investing in
national
ground
segment and
facilities for
data
exploitation**

**Sign-posting
of expertise
and support
programmes -
national
- ESA
- EU**

**Promoting use
of space data
by public
sector by
brokering
private sector**



Initial Catapult Programmes for 2013

		Market Growth	Academic Base	International Competition	Community Interest
Market-led	Transport	Green	Green	Yellow	Green
	Security & Civil Protection	Yellow	Yellow	Yellow	Yellow
	Natural Resources, Energy & Climate	Yellow	Green	Yellow	Green
	Internet of Things	Green	Yellow	Yellow	Yellow
Technology Driven		Yellow	Yellow	Yellow	Yellow

Additional Criteria:

Opportunity for Catapult “value-add and potential for UK exploitation

Addresses a Market-failure

UK National Interest

Climate and Environmental Monitoring from Space Facility – overall architecture

