



UK SPACE
AGENCY

Delivering the UK Civil Space Strategy: *making the UK the Place for Space*

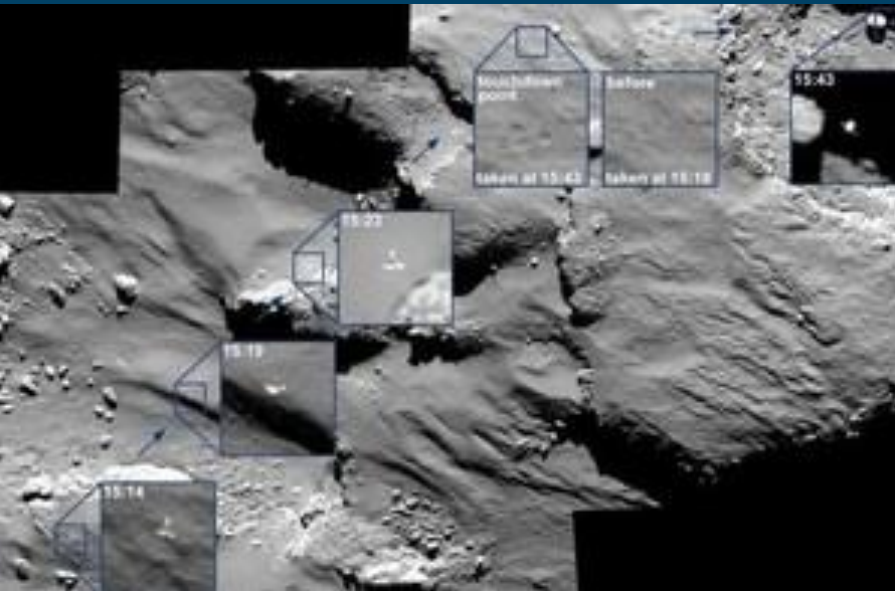
Dr David Parker, Chief Executive

29 January 2015

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

Some Recent Highlights

9 October: at RAeS President's Conference, Minister announces impact of Agency's work with sector growth of 7% year to £11.3B



12 November: Rosetta comet rendezvous spacecraft (UK platform) deploys Philae lander with UK Ptolemy instrument aboard.

17 November: Minister launches International Partnership Space Programme at Airbus Stevenage with IET Engineer of the Year Abbie Hutty and astronaut Tim Peake



The UK and Space

- The **UK Space Agency** leads our civil space programme
 - Policy advice to Ministers
 - Regulation
 - Investment (~£300 p.a.)
 - 65 staff
- Core goal shared by industry and government (space IGS):
 - Grow the UK space sector to take 10% of the world market by 2030 (est. £40B)
- Our goals are achieved via local, national, European and international partnerships



The UK space sector

**Contributes £11.3 billion to
the economy**

**Direct employment
34,300**

**Estimated jobs supported
by space
80,000**

**Two thirds of staff are
graduates**

**Value added per employee
is three times the UK
average**

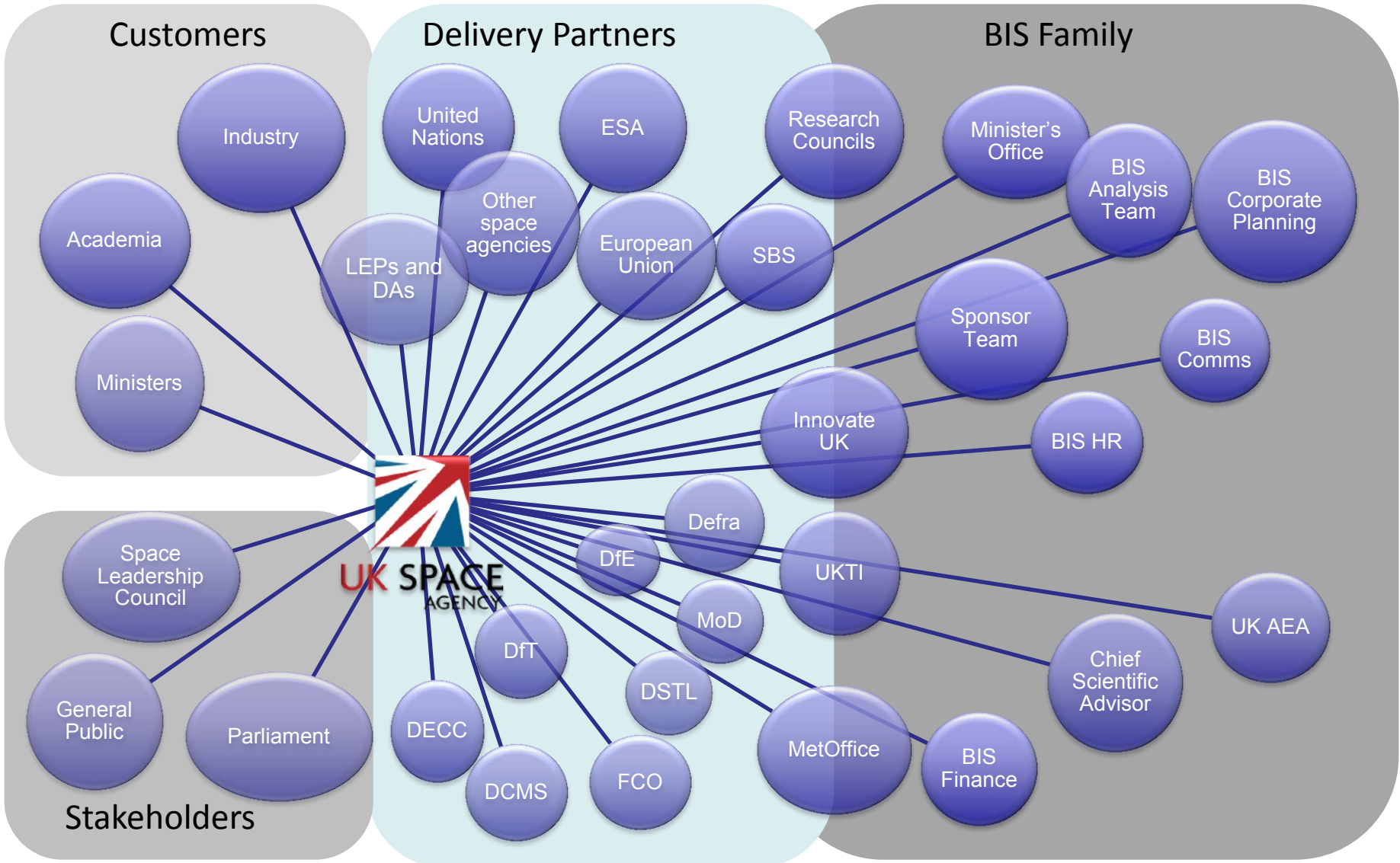
**The UK space industry is
six times more R&D
intensive than the UK
economy as a whole**

**UK space sector growth
rate
(2011-2013)
7.2% pa**

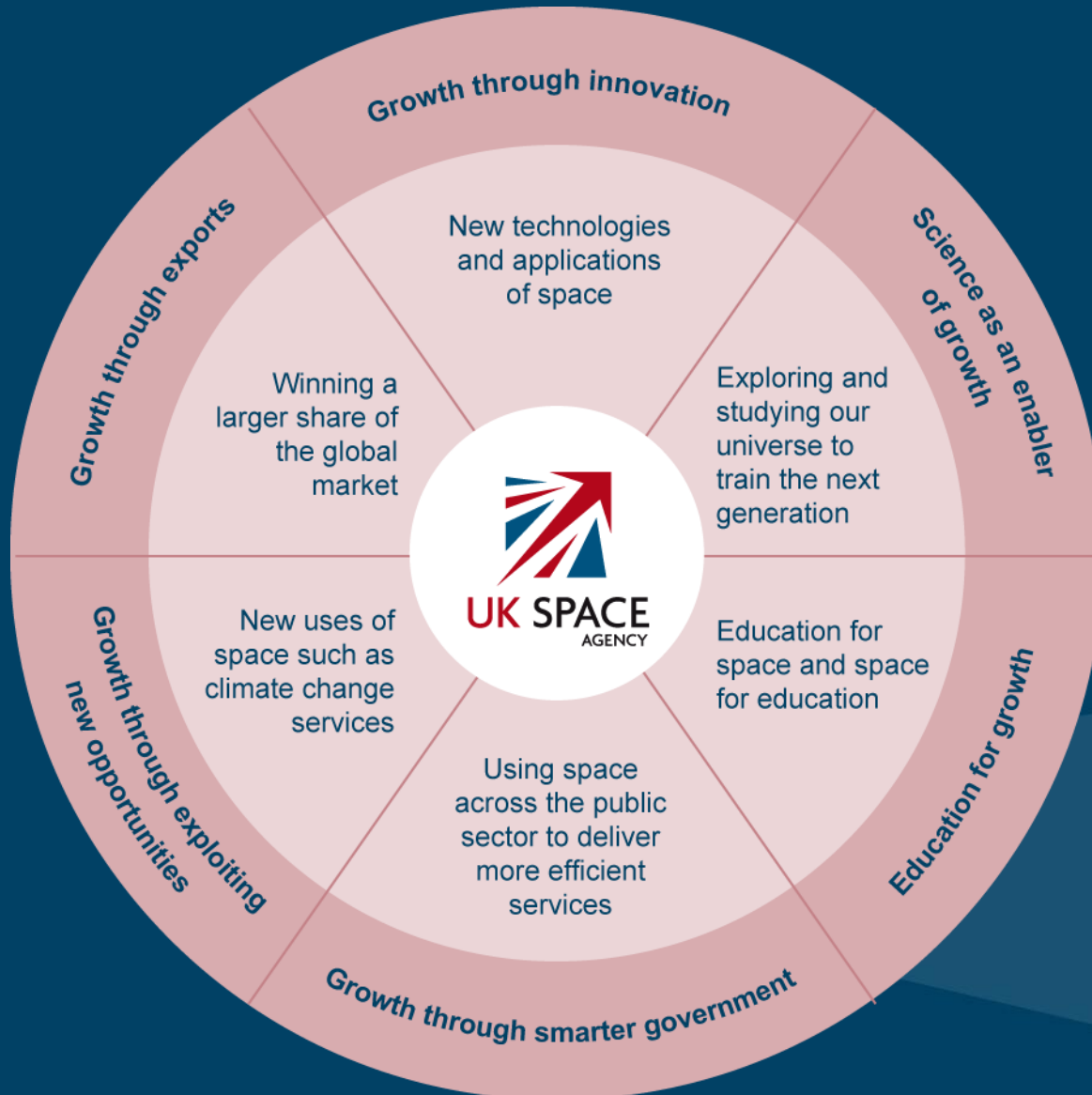
**Estimated UK share of the
global market
7%**

**Targeting a 10% share
(est.£40B) in 2030**

The Agency works with many partners

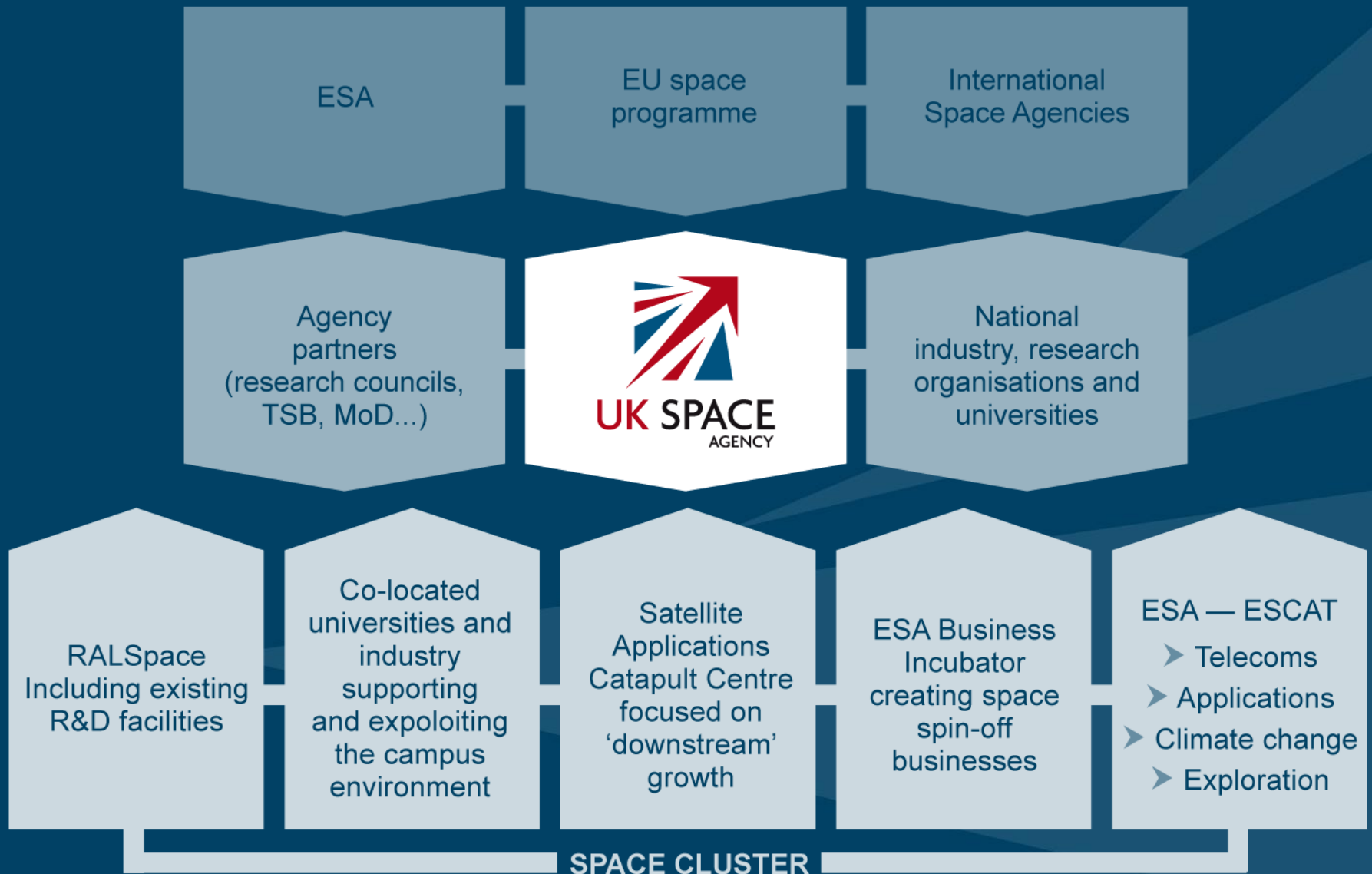


Civil Space Strategy – six themes



Goal:
£40B sector
by 2030

UK Space Gateway



Importance of UK Space Gateway at Harwell



- A physical implementation of the Agency's joined-up strategy
- Direct employment:
 - 200 space-sector workers in 2010
 - 500+ by 2015;
 - 1000+ by 2020

But much wider impact:

- By providing national labs and facilities,
 - Links across the UK to regional centres of expertise;
 - Anchoring ESA in the UK and the UK in ESA
 - By being internationally significant, attracting companies to the UK
- **A key vehicle to deliver our strategy,**

Attracting business to the UK

- In July 2013, Spanish space company Elecnor Deimos (300 staff,) decided to establish a division in the UK at Harwell Oxford targeting 50 staff within 3 years
- Why ?
- They said:
 - “Ambitious long term strategic plan for UK space sector”
 - “Creation of UK Space Agency”
 - “Important contribution by UK to ESA”
 - “Interest of UK in the space applications and downstream services”
 - “Potential of UK highly qualified engineers, universities and research institutions”




Challenges in front of us




- Technical ?
 - Policy ?
 - Financial ?
- Presentational
- All of the above !

In Summary


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The Agency is leading, linking
but still learning



In many cases, the pathways
to growth are only just being
mapped out



But we've come a long way in
a short time