



Dr Graham Turnock  
*Chief Executive of the UK Space Agency*







**Future Collaborations**

Graham Turnock, CEO of the UK Space Agency and Sam Gyimah, Science Minister have both recently met with NASA Administrator Jim Bridenstine. These meetings have opened doors to talk about great opportunities, partnerships and technological developments.

**UK SPACE AGENCY** **60** **NASA**

#NASA60th

**Reaction Engines** has secured backing from some of the most influential names in aerospace and finance, raising £26.5 million which will support its development of SABRE.

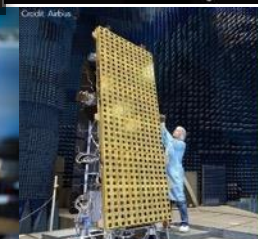
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**Space for disaster resilience in developing countries**

Using space solutions to help solve environmental and societal challenges.



Scientists in on world's first Wave Space which will st space and



**UK SPACE AGENCY**

NovaSAR-1 data will monitor the location of oil spills and aid flood, agriculture and forest management.

**Did you know?**

Satellite data and ground sensors are being used to monitor urban air pollution in Bicester and Belfast, helping local councils manage their town planning.



The UK government sees small sats as a UK strength in all aspects - it is investing across the value chain to support further growth and excellent science and academic endeavour.

**Catherine Mealing-Jones**  
Director, Growth

**UK SPACE AGENCY**



Our Ch Could y new orb

**We're tackling illegal logging in Guatemala.**



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"The Aeolus mission is a great example of the potential real-world impacts that space can have on Earth."

**Sam Gyimah MP**  
Minister of State for International Science, Research and Innovation



**Space junk: the facts**

5,500 tonnes of junk.  
20,000 objects tracked.  
Some travelling at 17,500 mph.

The UK space sector is working to tackle the problem.

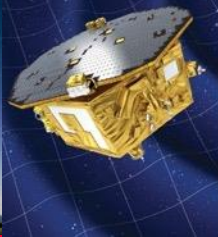
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UK science aims to measure 'Marsquakes' for the first time as part of NASA's mission to study the heart of Mars.

Satellite technology can deliver innovative solutions to real world problems. The UK Space Agency, Astrosat and the Guatemalan authorities are working together to tackle illegal logging as part of the International Partnership Programme.

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Scientists in Scotland to work on world's first Gravitational Wave Space Observatory which will study ripples in space and time.

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**Space for agriculture in developing countries**

UK space solutions can help tackle the major global issues facing the agriculture sector.

"From our market leadership in small satellite construction to our world leading universities Scotland and the UK comes from a position of strength in the global space sector which will be turbo boosted by the first new spaceport and our Industrial Strategy."

**The Rt Hon Greg Clark MP**  
Secretary of State for Business, Energy and Industrial Strategy

**HM Government** **INDUSTRIAL STRATEGY**



**UK SPACE AGENCY**

The UK and France agree to work closely on space projects, including the search for life on Mars.

#UKFRSummit #tousjoursvoisins

"Thanks to this new funding, Spire will be able to cement its activities in the UK, develop new technologies and use space data to provide new services to consumers that will allow businesses access space quicker and at a lower cost - offer an exciting opportunity for the UK to thrive in the commercial space age."

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**Mr. Hon. Lord Hanley**  
Business Minister

**Exciting opportunities available for industry placements**

New space sector work placements available to recent graduates or postgraduate students.



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**Gaia Mission**

Its mission is to create the most accurate 3D map of the galaxy ever. Charting the positions, brightness and movements of over a billion stars.

#GaiaDR2

**Space for forestry in developing countries**

The UK space industry has a critical role to play in addressing major challenges confronting the forestry sector.

Are you involved in microgravity or space environments activities in the UK?

We are surveying the state of the community.

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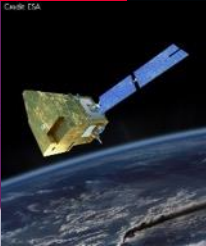


We are ensuring the UK stays ahead of the competition with £99m for a National Satellite Testing Facility.

**HM Government**

"We are working with industry and academia to support cutting-edge science that will lead to new discoveries about our galaxy."

**Graham Turnock**  
Chief Executive, UK Space Agency



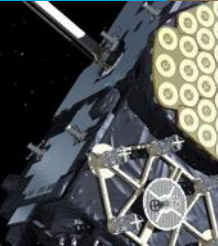
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MicroCarb will measure the sources and sinks of carbon, and contribute to international efforts to analyse the driving forces behind climate change.

**GREEN GB WEEK** #GreenGB

**ExoMars rover naming competition**

The rover will be the first of its kind to travel across the Martian surface and drill down to determine if evidence of life is buried underground.



The UK has a world-leading space sector, which has been involved in Galileo since the early 2000s, building payloads, operating ground stations and developing the system's security.

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"As the Government has should begin work now a national alternative to Galileo our satellite positioning, timing needs are met in it"

"The UK Space Agency is lead this work and will us expertise from across the engineering and security"

**UK SPACE AGENCY**

Dr Graham T



# Farnborough International Airshow: 16-22 July 2018



## New funding for spaceflight range control proposals

A collage of four images: a rocket launch from a ship, a satellite in orbit, a rocket on a launch pad, and a satellite component.

*“The UK’s thriving space industry, research community and aerospace supply chain put the UK in a leading position to develop both vertical and horizontal launch sites. This will build on our global reputation for manufacturing small satellites and help the whole country capitalise on the huge potential of the commercial space age.”*

**Greg Clark**  
Business Secretary



# New funding for educational activities





# 21 new Pathfinder projects from the National Space Technology Programme





We are committed to continued co-operation with Europe on space











# Thank You for listening

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Catherine Mealing-Jones  
Director, Growth



Our Chief Engineer

Could you help us new orbital systems



Any Questions?

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"The UK Space Agency is leading this work and will use its expertise from across the engineering and security sectors."

