



Dr Graham Turnock
Chief Executive of the UK Space Agency



Size & Health of the UK Space Industry 2018



£14.8bn

Total Income in 2016/17



5.1%

Share of global space economy in 2016/17
(after GBP depreciation)



41,900

Employees in 2016/17



2.6x

Labour productivity compared to UK average

13%

Space Manufacturing

15%

Space Operations

69%

Space Applications

3%

Ancillary Services



3.3%

Annual growth rate 2014/15 – 2016/17



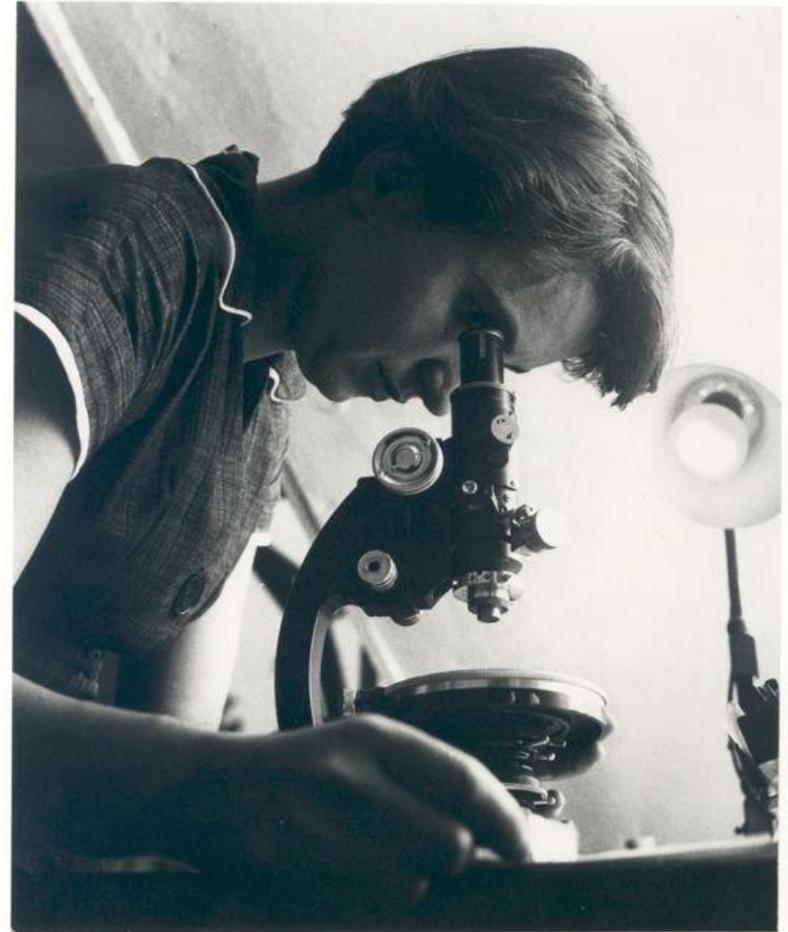
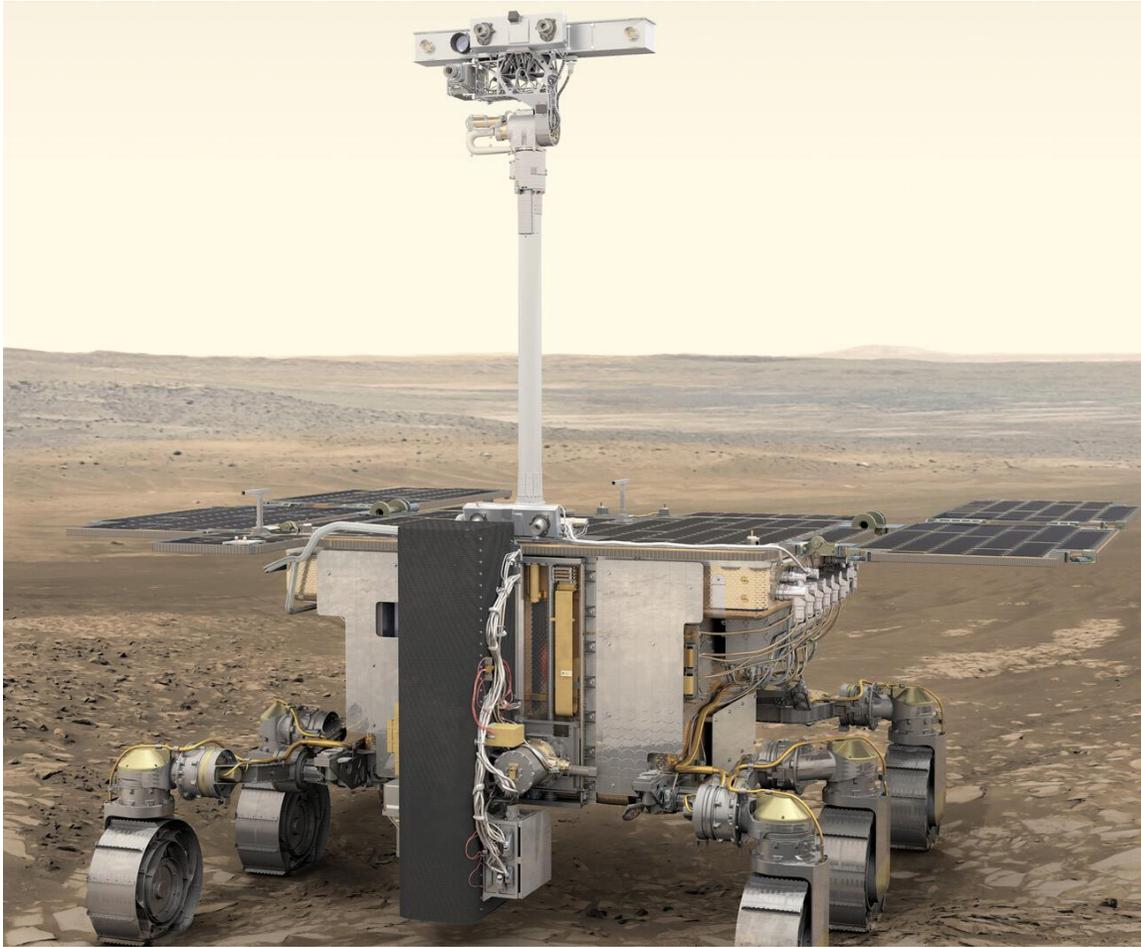
£566m

R&D expenditure in 2016/17

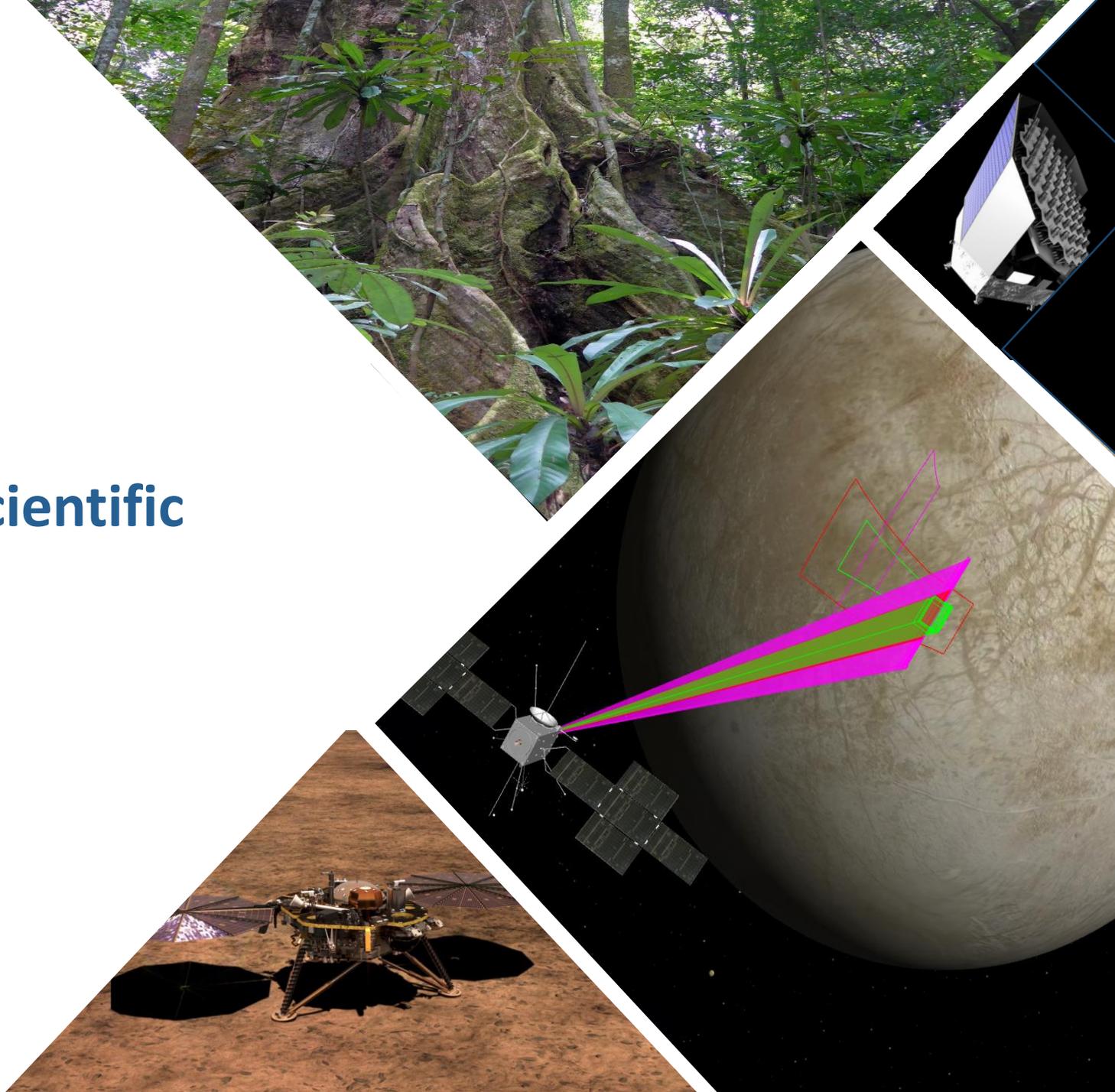


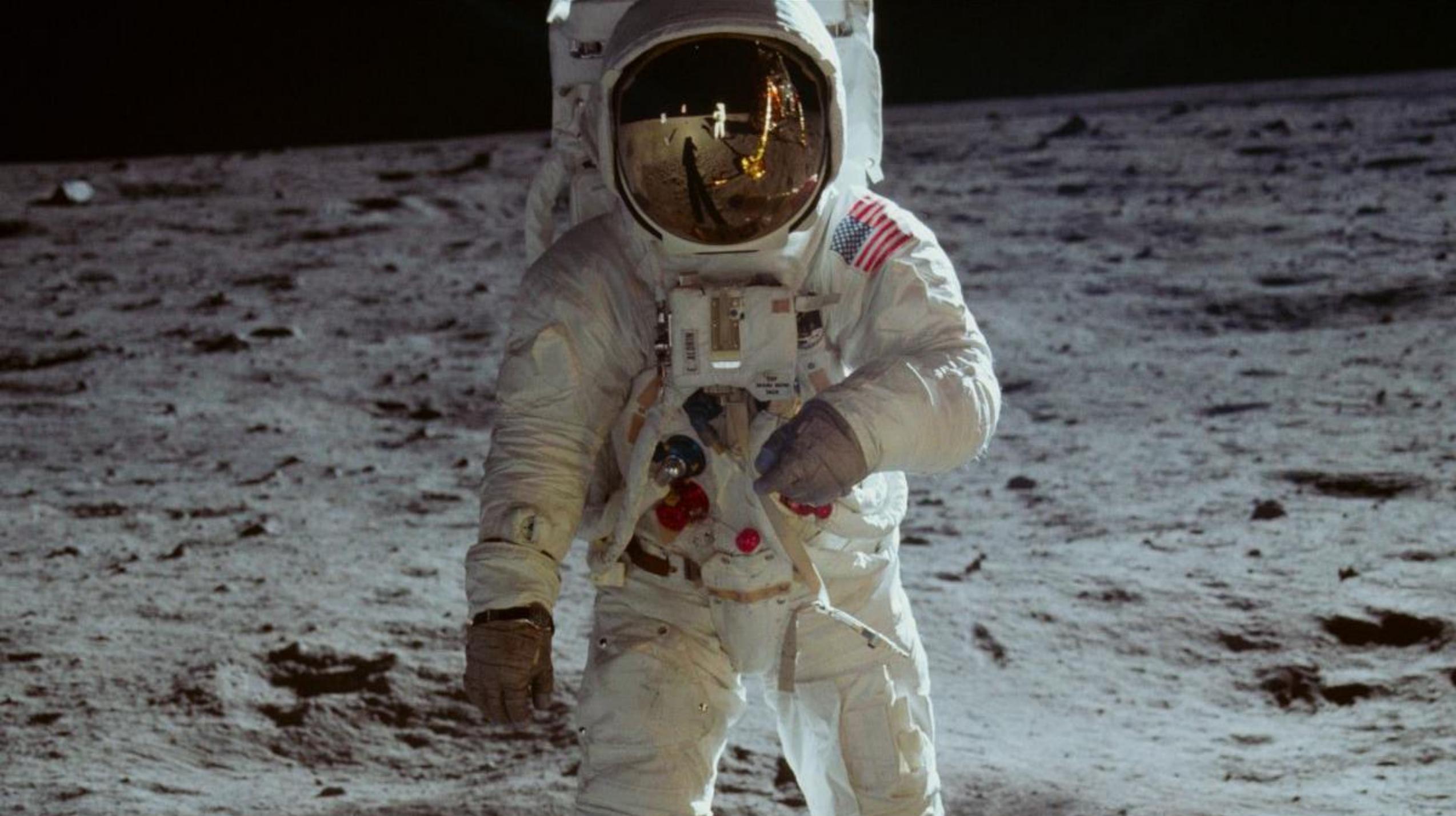
3 in 4

Employees holding a university degree or higher qualification



Leading in the way in the scientific space technology







UK Space Conference 2019



UK SPACE AGENCY
COLLABORATION

Space has no borders and the UK's success is built on relationships with international partners.

There is a real opportunity for the UK space sector to build relationships and strengthen existing ones. Our ongoing partnership with the European Space Agency enables the UK to take advantage of ESA's expertise, access world-class space facilities and research, and deliver a significant return on investment.

UK SPACE AGENCY
Australian Space Agency

Towards a national spaceflight capability



UK Space Agency

International
Partnership
Programme



Tracking small boats to increase their safety in South Africa and Madagascar



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- 8 DECENT WORK AND ECONOMIC GROWTH
- 3 GOOD HEALTH AND WELL-BEING

Project lead
exactEarth Europe Limited (eEE)

Target country(s)
South Africa and Madagascar

International partners

South Africa

South African Maritime Safety Authority (SAMSA): government organisation which leads on maritime safety.

National Sea Rescue Institute (NSRI): charitable organisation which undertakes sea rescues.

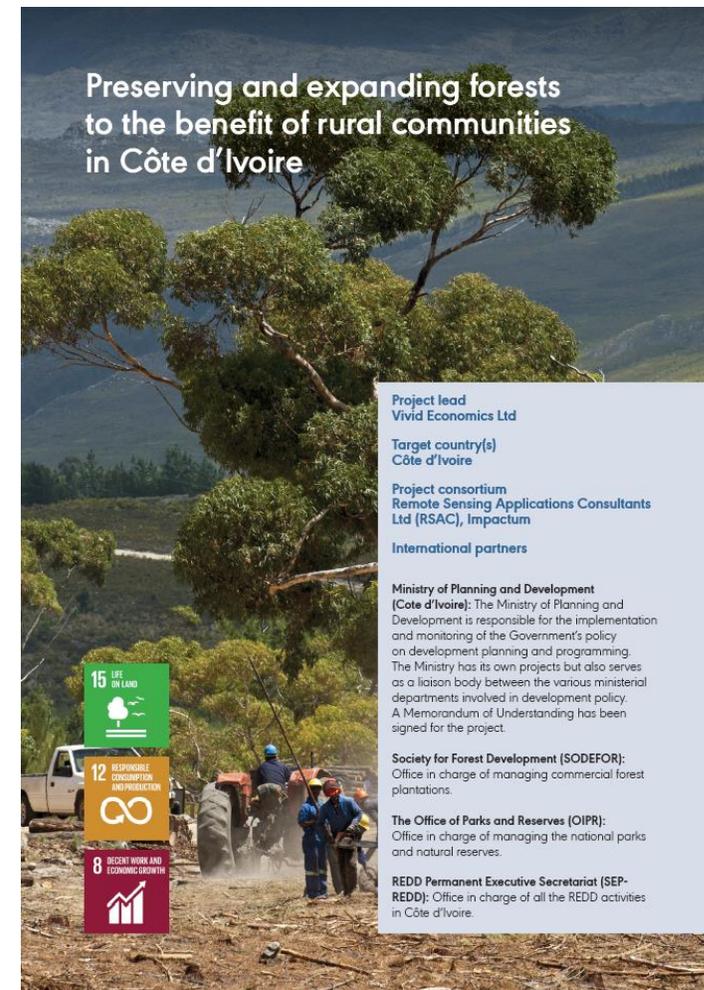
Marine Data Solutions (MDSol): provides technology solutions to Africa's maritime authorities and associated industries.

Stone Three Venture Technology: develops bespoke enterprise software engineering solutions for industry leaders.

Madagascar

The Maritime Data Analysis Centre (CFIM): advises on the presence of illegal fishing, piracy, tampering of natural resources, maritime terrorism or maritime cybercrime.

Preserving and expanding forests to the benefit of rural communities in Côte d'Ivoire



Project lead
Vivid Economics Ltd

Target country(s)
Côte d'Ivoire

Project consortium
Remote Sensing Applications Consultants Ltd (RSAC), Impactum

International partners

Ministry of Planning and Development (Cote d'Ivoire): The Ministry of Planning and Development is responsible for the implementation and monitoring of the Government's policy on development planning and programming. The Ministry has its own projects but also serves as a liaison body between the various ministerial departments involved in development policy. A Memorandum of Understanding has been signed for the project.

Society for Forest Development (SODEFOR): Office in charge of managing commercial forest plantations.

The Office of Parks and Reserves (OIPR): Office in charge of managing the national parks and natural reserves.

REDD Permanent Executive Secretariat (SEP-REDD): Office in charge of all the REDD activities in Côte d'Ivoire.

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- 8 DECENT WORK AND ECONOMIC GROWTH



Meeting at Ministerial Level

Seville, 27-28 November 2019





Thank You for listening

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Space for disaster resilience in developing countries

Using space solutions to help solve environmental and societal challenges.



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



Our Chief Engineer

Could you help us new orbital systems



Any Questions?

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

Satellite technology 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.



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

"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 - affording an exciting opportunity for the UK to thrive in the commercial space age."



Are you involved in micro-activity or space environmental activities in the UK?
We are surveying the state of the community.



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



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



"As the Government has said, we should begin work now on a national alternative to Galileo for our satellite positioning, navigation and timing needs are met in the future."
"The UK Space Agency is leading this work and will use its expertise from across the engineering and security sectors."

