

# Press release: Landing site selected for UK Mars rover

Dr Graham Turnock, Chief Executive, UK Space Agency said:

After the Earth, Mars is the most habitable planet in the Solar System, so it's a perfect destination to explore the possibility of life on other planets, as well as the history of our own.

Both of the potential landing sites – Oxia Planum and Mawrth Vallis – preserve a rich record of geological history from the planet's wetter past, approximately four billion years ago, however the potential for science return had to be balanced with the prospect of landing safely.

Professor John Bridges, from the Space Research Centre, University of Leicester, a member of the Landing Site Selection Working Group, explains why Oxia Planum has been recommended:

After over 4 years of careful study of HiRISE and more recently CaSSIS images Oxia Planum was chosen because scientists were convinced that its fine grained sediments, deposited during the ancient Noachian epoch were ideally suited for the Exobiology rover.

With an enormous catchment area the sediments will have captured organics from a wide variety of environments over a long period of time, including areas where life may have existed. The fine sediments should also be ideal for the ExoMars drill – it aims to get to 2 metres depth.

Remote identification with the Mars Express and Mars Reconnaissance Orbiter Infrared spectrometers shows the presence of clays and other minerals giving clues to its aqueous history.

A large group of scientists have been working on proposing, characterising and down selecting the sites, all of which had fascinating aspects, but Oxia Planum is the clear winner on both science and engineering constraints.

The UK Space Agency is the second largest European contributor to the ExoMars mission, having invested €287 million in the mission and £14 million on the instruments. This, in addition to successful negotiations with ESA, secured key mission contracts for the UK space sector.

Sue Horne, Head of Space Exploration, UK Space Agency said:

I have been working on ExoMars for over ten years and am amazed at the ingenuity and dedication of UK engineers and scientists in building the rover and instruments that will work in the extreme environment of Mars.

Our end goal is in sight and it is getting very exciting.

The government's modern Industrial Strategy is backing businesses to succeed by increasing investment in science, because countries that invest in ideas create more opportunities for business. The ambition is for the UK be the world's most innovative economy – and the development of the ExoMars rover for the UK is a part of this ambition.

Airbus Defence and Space in Stevenage is leading the build of the rover while the UCL Mullard Space Science Laboratory is leading on a key instrument known as the PanCam, a high-resolution 3D camera which will be used to look at the terrain and rocks to try to detect signs of life.

The University of Leicester and Teledyne e2v are working on the Raman Spectrometer with STFC RAL Space providing some of the electronics, including the data processing board.

The recommendation was made today following a two-day meeting held at the National Space Centre in Leicester, UK, which saw experts from the Mars science community, industry, and ExoMars project present and discuss the scientific merits of the sites alongside the engineering and technical constraints.

The Leicester recommendation will be reviewed internally by ESA and Roscosmos with an official confirmation expected mid-2019.

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## **Press release: DIT supports Plymouth firm producing 2.6 billion products a year**

Renowned for their high quality medical technology, Becton Dickinson (BD) have operations in the likes of the US, Japan and the Middle East, employing 65,000 people across the world. In the UK and Ireland, they have eight sites which employ 2,800 associates in a variety of research, manufacturing and retail roles.

DIT have helped BD, whose Plymouth operation is predominantly manufacturing

based, with export and investment advice and support from our network of International Trade Advisors, who are based across the UK.

With 2.6 billion products being produced at the south-west facility every year, the company specialise in the production of blood collection tubes which sell to hospitals and medical facilities in all corners of the globe.

Speaking on the visit, Baroness Fairhead said:

Becton Dickinson are a great example of a global business whose export and manufacturing operation is helping to drive growth in their local community through initiatives such as their apprenticeship scheme.

The Department for International Trade stands ready to support any business in south west England, and across the country, who has the ambition to export. This support includes our network of Trade Advisors who are on hand to offer guidance, our award-winning export credit agency, UK Export Finance, and a variety of export opportunities through GREAT.gov.uk.

The visit comes after BD announced a further investment of more than £170m last year, which will see additional manufacturing lines added to their Plymouth site.

Mike Fairbourn, VP Country General Manager UK & Ireland, said:

With over 3000 associates working in clinical research, manufacturing and commercial roles, BD UK and Ireland is proud to be helping support the safer, more efficient delivery of healthcare. Our mission is to advance the world of health, and we continue to invest in helping UK and Irish healthcare providers to improve patient outcomes that ultimately give people the best lives possible.

With a need to recruit more engineers in the South West of England, BD are running an apprenticeship scheme which has 40 apprentices working at the site at any one time, including 12 who specifically look at engineering and spend four years working at the site. This is all part of a strategy which the company has set out, with government support, to engage with young people in the Plymouth area.

The South West saw a solid increase of 7% in its goods exports last year with £21 billion of products being sold in markets such as the US, Germany and the UAE. This is partly due to a dedicated team of more than 20 trade advisors in the region. These advisors work with the government's network of HM Trade Commissioners, the UK's overseas partners and private companies to locate export and investment opportunities to match the strong ambitions of regional businesses.

DIT's recently launched Export Strategy sets out how the government will support businesses of all sizes to make the most of the opportunities presented by markets around the world.

A government-led collaboration with business, developed after extensive engagement with a range of UK firms – the [Export Strategy](#) sets a new ambition from government to increase exports as a proportion of UK GDP to 35%.

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## [Speech: Keynote address welcoming participants to the UK and to the Global Forest Governance Forum](#)

Thank you Chatham House for inviting me to speak today. I am delighted to be here, to welcome you to the United Kingdom from so many corners of the world, and to say a few words about our renewed ambition to work in partnership to tackle what remains a huge global challenge of fighting forest crimes and promoting sustainable forest-friendly commodity production – whether for timber, cocoa, soy, or palm oil.

The broad range of representatives, delegates and contributors here, and the scope of your agenda, certainly illustrate the global reach of the Forum, from new science on isotopes, to regulations in Korea and new partnerships in Honduras and Guyana.

Over the last two years, we have been focused on addressing the impact of deforestation and illegal logging. During my recent visits to Mozambique, Uganda and Kenya, and last month's Illegal Wildlife Trade conference here in London, ministers and officials reaffirmed the destructive effects of deforestation and illegal logging – on people's lives and livelihoods, in terms the loss of revenues, the links to organised crime, and the destructive impact on wildlife habitats. But I have also been impressed by the determination with which these countries are fighting these threats, for example by protecting mangroves in Mozambique. Addressing the challenges of environmental and forest crime, and promoting good governance of our natural resources really does matter – for me, for the UK Government, for all of you here today, for planet Earth.

You know the scale of forest crime is a major global challenge. According to recent World Bank research, in some countries almost 90 per cent of timber production is illegal. World-wide, exports of illegally logged timber are worth at least \$20 billion a year, and that is probably an under-estimate. These illegal practices undermine the rule of law and fuel corruption, lose billions in potential tax revenues, deter investment and prevent the growth of sustainable businesses. We also know that the livelihoods of over 1 billion poor people and rural communities depend on forests. For forests to contribute to sustainable economic growth and biodiversity conservation we need to see massive improvements in how they are protected and managed.

Efforts to curb illegal logging are also critical to the global fight against climate change and biodiversity loss. Deforestation and land use change cause around one quarter of greenhouse gas emissions impacting on the functioning of ecosystems and contributing to the loss of species. So we cannot ignore this.

The UK is one of the largest global importers of timber, and we recognise our shared responsibility to tackle this problem. For the last twenty years we have been at the forefront of international action against illegal logging. We successfully argued for the inclusion of the topic in the 1998 G8 Action Programme on Forests, we worked together with the G8 and developing countries to organise a series of ministerial conferences, and we played a major role in formulating and implementing the EU's Forest Law Enforcement, Governance and Trade Action Plan – FLEGT, to use its rather clunky acronym.

We have worked together with businesses in the international timber trade, such as those dealing in construction, furniture and paper, to exclude illegal, high-risk timber from the British market. We have encouraged the development of company responsible purchasing policies and through using public procurement policy – the government's own buying power – to source legal and sustainable wood products. Since 2013 our implementation of the EU Timber Regulation has ensured that all companies placing timber on the UK market have been required to scrutinise their supply chains to minimise the

risk of their handling illegal products.

And we have supported forest-rich developing countries to put in place their own systems for tackling illegal logging.

Two years ago Indonesia became the first country to ensure that all its timber exports can affirm, through a license, that they are verified as legally produced. The EU now requires all timber imports from Indonesia to be accompanied by a license – from construction timbers through to furniture and paper.

Since 2016, the relevant UK authority – the Office of Product Safety and Standards – has verified more than 8,000 licences accompanying Indonesian exports, reassuring British companies that the timber products they put on sale are legal throughout the entire supply chain.

The UK has benefited from these changes. The UK is the largest importer of timber in Europe, so these transformational reforms in Indonesia open up an important source of high-quality, legal wood for UK companies.

Creating the governance systems to regulate, track and assure legality has been a massive achievement, particularly for such a large and diverse country, and I want to pay tribute to the dedication and determination shown by our partners in Indonesia, government, business and civil society alike. It gives a strong, positive message for other countries working to bring an end to illegal logging.

Even where the licensing system has not yet been put in place, the agreements have led to measurable improvements in forest governance: reforms to the framework of laws, policies and institutions, the inclusion of business and civil society in decision-making, improvements in transparency, and much else besides. These help lay the foundations for deep-seated, lasting progress in the fight against illegal logging.

Measures to reform governance are at the heart of our efforts to combat illegal logging and the trade in illegal timber.

Critical ingredients for these governance reforms have included:

1. Recognising the need for clear legal frameworks that set out responsibilities of people living with forests, of businesses and governments. In particular we need to ensure indigenous people and forest communities have secure rights and access to the forests they need for both their livelihoods and, indeed, their identity. Embedding these rights in law is a pre-condition to effective enforcement of their rights.
2. As well as clear rights and responsibilities, we need mechanisms that bring people together to design, oversee and enforce these legal arrangements. These mechanisms require access to information and increased capacity of community and private sector representatives to

engage in policy processes. It is the shared understanding of policy that gives legitimacy to sector governance. DFID's Forest Governance Markets and Climate programme, which sponsors this event, is at the forefront of this agenda.

3. We need the active involvement of the private sector to ensure that the reforms support their efforts to see responsible practices right down through their supply chains.
4. We need transparency to help us monitor what is working and what is not, and to hold us, and our partners to account. This transparency helps us to communicate and promote the results of these efforts in our own and international markets which in turn we hope will improve the incentives for good governance and responsible business.

I look forward to learning from your efforts to improve governance. In this room you have a tremendous richness of experience and Forums like this one today are important for us, to take stock, learn and adapt as we work to scale up efforts to stop illegal logging and its associated irresponsible trade.

We know illegal deforestation is not limited to the forest sector. Globally, high demand for agriculture commodities such as palm oil, soya, rubber and cocoa are also driving illegal forest clearance and undermining the rule of law. As you no doubt will be discussing in greater depth at this meeting, this forest clearance is now the greater source of illegal timber on the market. So it cannot be ignored.

Earlier this year, the UK Government set out our ambition in a 25 year Environment Plan to support and protect the world's forests, supporting sustainable agriculture and enhancing sustainability, and supporting zero-deforestation supply chains.

My department, alongside DFID and BEIS, is supporting work to promote sustainable supply chains of other commodities, such as palm oil and soya that may put forests at risk. We are actively engaged with international efforts to promote sustainable supply chains, with other countries in the Amsterdam Group that aims at promoting zero-deforestation commodity supply chains, with the Tropical Forest Alliance and other business-led initiatives promoting responsible investment. And a few weeks ago, I held a roundtable discussion with my Ministerial colleagues from DFID and BEIS and leaders in the financial and commodities sector on establishing a Global Resource Initiative, to improve the sustainability of key commodities and reduce deforestation.

We will continue to nurture sustainable trade and harness its potential to drive sustainable development, supporting our developing country partners, and working in partnership with UK businesses, to drive growth and tackle climate change.



But, let me be clear, without sound governance arrangements in place in both tropical producer countries and consumer countries, private and public finance will struggle to slow down deforestation. The returns to cutting down and capturing the capital locked in standing forests, whether by corporate business, small holders or organised criminals, is just so high that we will not succeed without legal and social measures that reward the good guys and exclude the bad.

Investment and finance are important in our fight to preserve forests and habitats but without bringing together coalitions of interested parties to establish new rules and norms, we will forever be fighting against the tide. That is why meetings such as the one today are important: you help sustain the momentum that drives the challenging governance reforms forward.

The UK cannot tackle illegal deforestation and illegal logging alone. This is a global agenda.

The UK was instrumental in establishing the EU Timber Regulation and we are now making arrangements to put this into UK law, for after we leave the EU.

Other consumer countries have also established legislation to exclude illegal and high risk products from their markets: the US, Australia, Japan, Switzerland and, recently Korea – I see in the agenda that you have a session reviewing this welcome development

However, the global lockdown on illegal trade is not yet complete. There is one big hole in the fence. About 60% of the trade in tropical hardwoods now goes through China, with over 60% being consumed inside China. I recognise the difficulties for China in finalising mandatory regulations and enforcement arrangements, given the scale of demand from consumers domestically, in China and from other consumer markets, such as the UK.

Unfortunately, no-one from the Chinese government is here today, but we know, through our forest partnership with China, that they are well aware of their global responsibility and are keenly aware of the potential damage resulting from deforestation, as they witnessed first-hand with devastating floods in the 1990s. They appreciate, based on their own experiences, the technical challenges and the huge costs associated with reforestation. But unregulated production and unregulated trade, as you will be exploring at this meeting, has already brought irreversible damage on many tropical forests.

We will continue to encourage China to put in place and enforce their own mandatory regulations. We look forward to an announcement from China, closing this gap in the global market – perhaps at a future Chatham House event.

As the UK exits the EU we are determined to grow our ambition as framed by the policies of the FLEGT action plan – to encourage other markets to better regulate their imports and to work with producers to recognise their national systems of legality assurance. We are very keen to promote the principles of our work under EU FLEGT policies to a global level – building actions that link consumer markets with producer country efforts to regulate and ensure full compliance with their environmental and social laws

In 2020, the UK, along with 196 other countries, will agree and adopt a post-2020 strategic framework for biodiversity under the Convention on Biological Diversity. This is a key moment to bend the curve away from biodiversity loss and shape a positive future for nature and people. All sectors have a role to play, including the forestry sector, and it is critical that the industry are part of that discussion from the start.

Finally, for this audience, and in these days where the UK's exit from the EU remains in the headlines, let me return to the UK commitment to climate change, deforestation and illegal logging.

- We remain committed to the environment, to mitigating climate change, to reducing deforestation and to preventing illegal logging
- The EU Timber Regulation will be brought into UK law and the UK will put in place mechanisms to recognise the licensing systems of producer countries currently engaged in Voluntary Partnership Agreements with the EU
- We remain committed to supporting the governance reforms of developing countries that underpin their legality assurance systems that will eventually result in licences for exports
- We continue to promote responsible, legal and sustainable trade in agricultural commodities, such as palm oil, soya, beef, cocoa, and rubber – now more damaging to tropical forests than illegal logging
- These UK commitments extend beyond this government and, in broad terms, across all parties in Parliament.
- They resonate with concerns about the environment, fair trade and international development that go beyond “insiders and committed activists” and excite wider interest in our society.

Our commitment is not just to stand-alone programmes to mitigate climate change and arrest deforestation. This commitment aligns with other initiatives, including:

- Tackling organised crime, the green washing of illegal proceeds;
- Promoting rule of law; and
- Encouraging democratic decision-making that brings citizens, communities, interest groups, the private sector and government together

to formulate and enforce laws, based on transparency and public access to information.

I wish you well and I look forward to hearing of the outcomes of this the 28th illegal logging forum at Chatham House.

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## **Press release: GOV.UK Notify wins Civil Service Operational Excellence Award**

The Dame Lesley Strathie Operational Excellence Award recognises excellence in the delivery of public services. This includes putting user needs at the heart of a project and significantly improving the quality, value for money or productivity of services to the public.

GOV.UK Notify is delivered by a multidisciplinary team of 12 people, including designers, user researchers and developers. They work closely with service teams across the country to constantly iterate and improve it.

The judges said:

GOV.UK Notify is a great example of a small, diverse set of civil servants challenging established ways of doing things, to rapidly deliver a product benefitting millions of people, whilst saving taxpayers millions.

GOV.UK Notify Product Manager Pete Herlihy said:

It's ace. Obviously we're incredibly proud of Notify and the impact it's having right across the public sector, but this recognition for how our little team goes about delivering it really means so much to us.

### **About GOV.UK Notify**

GOV.UK Notify sent its first messages in May 2016. It lets service teams across the public sector send emails, text messages and letters to their users.

It can be used by:

- caseworkers to send one-off messages to people after a call or a visit
- back-office staff to send bulk messages by uploading files
- systems automatically sending messages to people after specified events

GOV.UK Notify is easy to use and easy for teams to integrate with their existing systems. It can be used without any procurement and emails can be sent through GOV.UK Notify at no cost.

So far more than 200 million messages have been sent using GOV.UK Notify, including more than 170 million emails.

It is being used by 438 service teams across 132 organisations – including 64 local government organisations, 58 central government organisations and 10 from the NHS. And this number is growing every day.

Among those teams are the DVSA's MOT reminder service team, who also won a Civil Service Award – the Digital Award.

Find out more about [GOV.UK Notify](#).