

Detailed guide: Prepare your food and drink business for a no-deal Brexit

What you need to do to prepare your food and drink business for a no-deal Brexit.

British built rover begins journey to Mars, via France

Rosalind Franklin, which is the result of cutting edge work from UK, European and Canadian scientists and engineers will now be shipped from the Airbus factory in Stevenage, Hertfordshire to Toulouse in France for testing to ensure it survives its launch from Earth next summer and the freezing conditions of Mars when it lands on the planet in March 2021.

The rover is part of ESA's ExoMars mission to examine the geological environment on Mars and search for signs of life, past or present.

Dr Graham Turnock, CEO of the UK Space Agency, said:

This is a major milestone for this exciting project which demonstrates the UK's leading capabilities in robotics, space engineering and exploration, as well as our ongoing commitment to the European Space Agency.

As we hand the rover over to France for final testing, we should celebrate the huge efforts of the hundreds of people across the UK who have been involved in the design and build of the rover and its instruments, which will look for life on Mars.

Last week the panoramic camera system which will allow the rover to 'see' was successfully fitted. With funding and support from the UK Space Agency and European Space Agency (ESA), PanCam was developed in Britain by scientists from UCL's Mullard Space Science Laboratory (MSSL), working with the University of Aberystwyth and dozens of other experts across the UK in partnership with colleagues in Switzerland, Germany, Austria and scientists from nine nations.

UK scientists from the University of Leicester and Teledyne e2v worked on the rover's Raman Spectrometer, a powerful tool for the identification and characterisation of Martian minerals. The UK Science and Technology

Facilities Council provided electronics, including the data processing board.

Colin Paynter, Managing Director of Airbus Defence and Space UK, said:

Seeing the Rosalind Franklin rover finally leave Airbus in Stevenage is a great moment, and I would like to thank all the teams involved for their efforts in making this happen. This European flagship mission now moves to the next stage for final testing and one step closer to launching to the Red Planet next summer.

ExoMars is an ESA program in cooperation with Russian Space Agency Roscosmos with contribution of NASA. Thales Alenia Space is the key Exomars mission industrial partner, supported by Airbus Defence and Space for the rover vehicle, OHB for the carrier module, Lavochkin for the descent module and its surface platform, while Leonardo has provided Rosalind Franklin's drill.

The UK Government is backing businesses to succeed by increasing investment in science to 2.4% of UK GDP by 2027, 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 our leadership in ESA is a part of this ambition.

The UK Space Agency is the second largest European contributor to the ESA-Roscosmos 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.

Dr David Parker, Director Human and Robotic Exploration, European Space Agency, said:

Completing the build of the Rosalind Franklin rover under the strict cleanliness requirements, with all the science instruments onboard, is a major milestone of our ExoMars programme. It is thanks to the dedication of all the teams involved that we are able to celebrate this moment today.

We're looking forward to completing the final rounds of tests before the rover is declared flight ready and closed inside the landing platform and descent module that will deliver it safely to the surface of Mars.

The UK's investments in ESA are strengthening the UK's national capability in space, which is fundamental to modern day life, from weather forecasting and satellite TV, to communications and monitoring climate change.

The UK will make ambitious new subscriptions to ESA programmes in November, which will strengthen capabilities further and ensure the UK plays a significant role in global efforts to return humans to the Moon, bring back

the first samples from Mars and develop innovative new technologies for life on Earth.

ESA is an international organisation with 22 Member States. By coordinating the financial and intellectual resources of its members, it can undertake space programmes and activities far beyond the scope of any single European country.

ESA's Ministerial Councils bring together ESA's Member States every two to three years to decide on new proposals and funding for ESA's next years of work. The next one, called 'Space19+', will be held in November 2019.

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Outreach events for British nationals in Finland

The British Embassy in Helsinki holds meetings across Finland to update British nationals and answer their questions regarding Britain's departure from the European Union.

Outreach events for British nationals in Finland



The British Embassy in Helsinki holds meetings across Finland to update British nationals working and living in the country and to answer their questions regarding Britain's departure from the European Union. The events begin with an introduction after which the floor is open for questions.

In our team's continuous effort to reach as many British nationals in Finland as possible, we will be announcing further outreach meetings below.

Upcoming events in Finland

Tampere

Date and time: 9 September 2019, at 1700-1800 hrs

Location: G Livelab Tampere, Puutarhakatu 1

Please [register for the event here](#).

Turku

Date and time: TBC September 2019

Lappeenranta

Date and time: TBC October 2019

Joensuu

Date and time: TBC December 2019

Past events held in Finland

Lahti 5 June 2019

Helsinki 24 April 2019 You can read the summary on our [Facebook page](#)

Oulu 28 February 2019

Jyväskylä 7 February 2019

Helsinki 28 January 2019

Tampere 23 October 2018

Turku 16 October 2018

Helsinki 1 October 2018

Helsinki 25 April 2018

Turku 24 January 2018

Published 7 February 2019

Last updated 27 August 2019 [+ show all updates](#)

1. 27 August 2019 Address, timing and registration link added for Tampere outreach event.
2. 20 May 2019 Address confirmed and registration link added for the Lahti event on 5 June.
3. 29 April 2019 We have added the date and time for the outreach event in Lahti, as well as a link to a summary from the Helsinki meeting.
4. 11 April 2019 Added date and location for the Helsinki outreach event.
5. 19 February 2019 Updated information on outreach events in Oulu, Joensuu, Lahti and Helsinki.
6. 7 February 2019 First published.