



SPACE DATA CAPITAL OF EUROPE



Edinburgh hosts the **fastest university supercomputer in Europe**. With **Data Slipstream**, our satellite data analytics tool, researchers now harness that power to analyse vast satellite image collections, and combine it with other data in a secure and anonymised manner



Edinburgh University is home to a rich and varied community of scholars who continue to uphold Edinburgh's tradition of **exploration and enlightenment**. Edinburgh University is also now at the centre of a vibrant space innovation ecosystem around the city, with **33 space companies within the local area**, and more than 140 in Scotland. University staff have founded more satellite data companies than any other university in the UK.

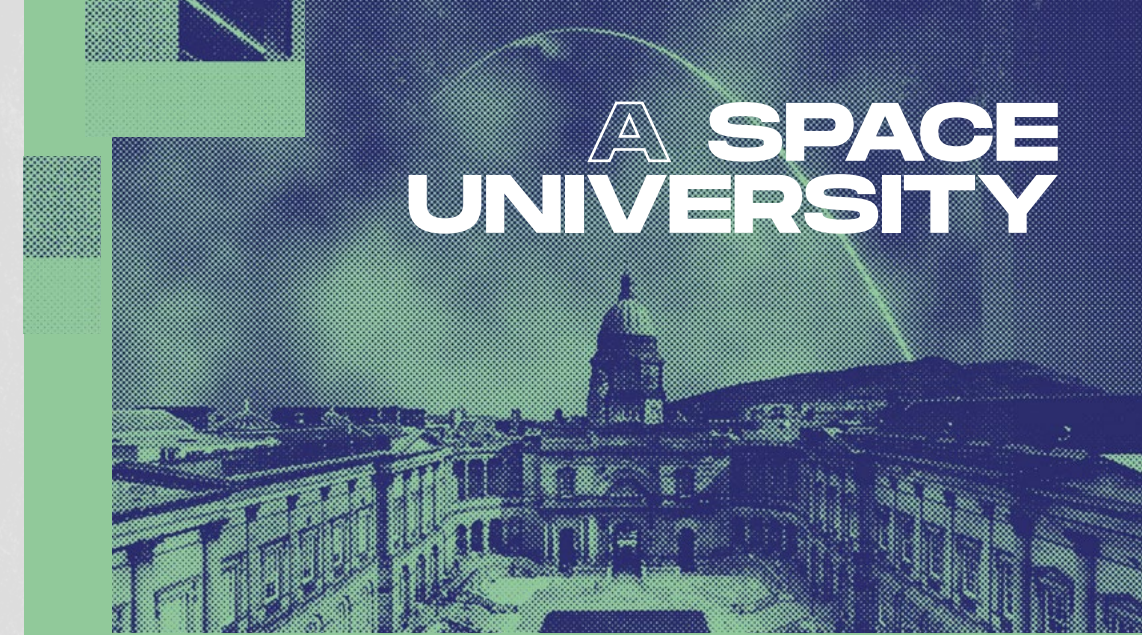
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Images courtesy of NASA



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In the 17th century Prof James Gregory designed one of the first reflecting telescopes. Today, many radio telescopes, such as the one at Arecibo, still use the Gregorian design.

EXPLORING THE UNIVERSE SINCE 1663

In the 21st century Edinburgh scientist Prof Gillian Wright helped develop the mid-infrared instrument (MIRI) on the **James Webb Space Telescope** (JWST), which was successfully launched on Christmas Day 2021, and will help Edinburgh scientists see further than ever into the cosmos.



In the 19th century, Prof Charles Wyville-Thomson led the **Challenger Expedition**, a 4 year mission to collect scientific data about the World's oceans. A NASA Space Shuttle and an Apollo Lunar Module were both named after the ship HMS Challenger.



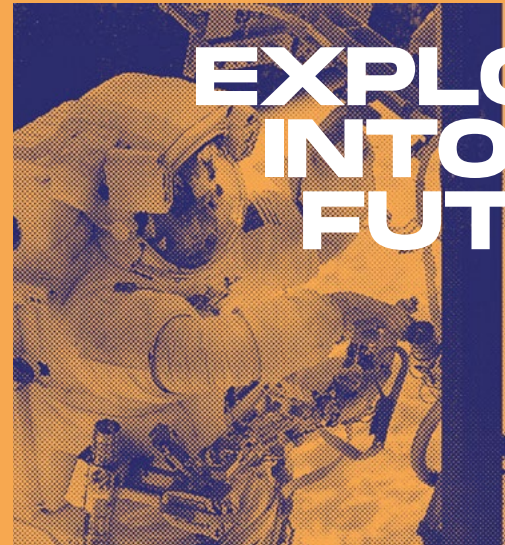
EXPLORING THE EARTH SINCE 1872



In the 21st century Edinburgh scientists are examining the changing Arctic, global deforestation trends and supporting efforts to improve food security through the use of satellite data. This work harnesses our **globally leading expertise in Artificial intelligence**, creating leading edge insights, including utilising Edinburgh's supercomputing power through **Data Slipstream**.



Dr Piers Sellers studied Ecological Sciences at Edinburgh, and went on to become a **NASA astronaut**, flying on three Space Shuttle missions between 2002-2010.



EXPLORERS INTO THE FUTURE

This **NASA Valkyrie robot** is the only one of its kind outside of North America. One day she (or a sister) will go to Mars, and support exploration of the Red Planet.

