

New Scientist

WEEKLY 1 June 2024

ANCIENT EGG-LAYING
MAMMALS DISCOVERED

JUST THREE HOT YEARS
ARE ENOUGH TO BREACH
1.5°C CLIMATE LIMIT

THE SCIENTIFIC WAY TO
MAKE FRIENDS AND
INFLUENCE PEOPLE

QUANTUM LOOPS

We're about to send a particle back in time

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Intricate orbits

Tiny black holes could trace out elaborate patterns **p11**

Danger zones

AI predicts landmine locations from satellite images **p12**

Bird flu mystery

Questions linger over virus's spread among cows **p16**

Zero-carbon cement

New process could slash emissions from construction **p17**

Earthquake swarm

Snow and rising seas may have played part in seismic activity **p18**



Astronomy

Most detailed shot of a star nursery

This stunning image, captured by the Euclid space telescope, shows star-forming region Messier 78. Newly launched Euclid is much more sensitive than previous telescopes, and this image revealed more than 300,000 new objects, most of them newborn stars. This and 16 other images were all taken in just 24 hours of observation, so Euclid's sky map after its six-year run should be breathtaking.

ESA/EUCLID/EUCLID CONSORTIUM/NASA