



LOFAR/PAN-STARRS/S. KUMARI ET AL

## Space volcano

■ Astronomers have captured one of the clearest views yet of a “reborn” black hole, revealing a dramatic outburst that has been compared to a “cosmic volcano” spreading across nearly one million light-years in space. The discovery centres on the galaxy J1007+3540, where scientists observed a super massive black hole at its core roaring back to life after almost 100 million years. The paper was published in *Monthly Notices of the Royal Astronomical Society* and is based on observations from highly sensitive radio instruments — LOw-Frequency ARray in the Netherlands and the Giant Metrewave Radio Telescope near Pune, India.