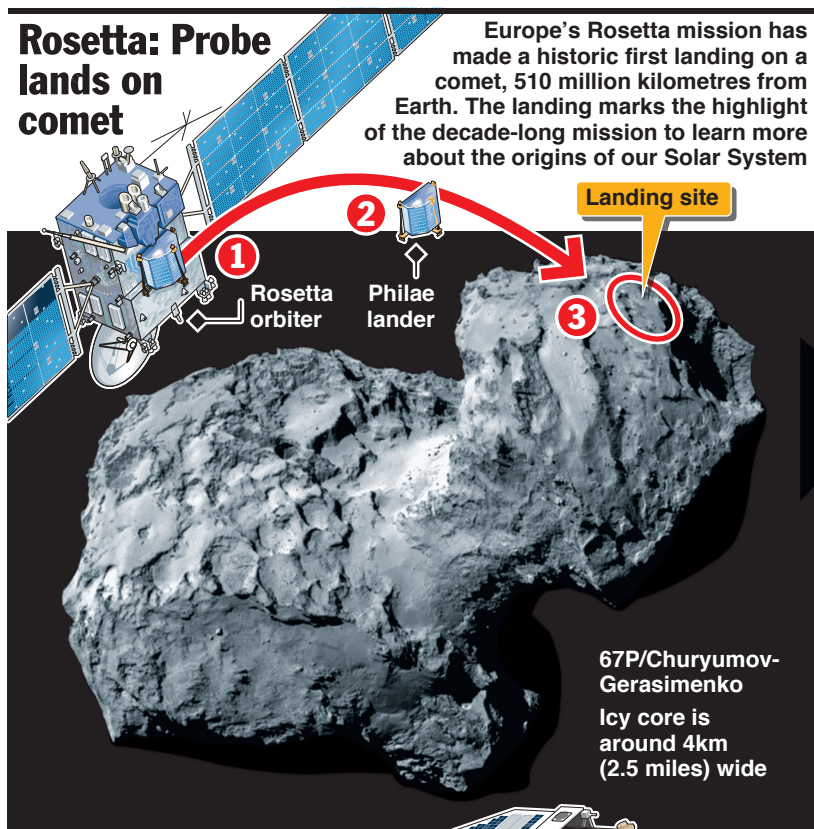


# Rosetta: Probe lands on comet

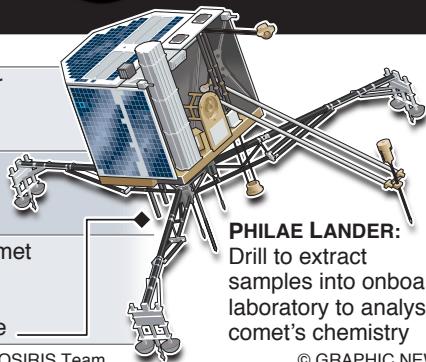
Europe's Rosetta mission has made a historic first landing on a comet, 510 million kilometres from Earth. The landing marks the highlight of the decade-long mission to learn more about the origins of our Solar System



**67P/Churyumov-Gerasimenko**  
Icy core is around 4km (2.5 miles) wide

## ANATOMY OF HISTORIC LANDING

- 1 08:35GMT:** Fridge-sized lander launched from mother ship. 20km descent will take seven hours
- 2 11:00GMT:** Rosetta receives signal from Philae, which unfurls legs and starts taking pictures
- 3 16:05GMT:** Philae lands on comet but harpoons that secure probe to surface fail to attach, meaning craft could bounce back into space



**PHILAE LANDER:**  
Drill to extract samples into onboard laboratory to analyse comet's chemistry