

The European Southern Observatory

Add your name, date and occasion here or remove





This is ESO

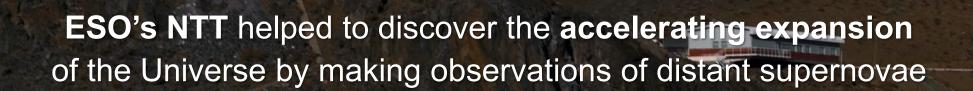
Your Name, Date, Occasion





Introduction Questions and answers





Nobel Prize in Physics 2011



What planets are out there?

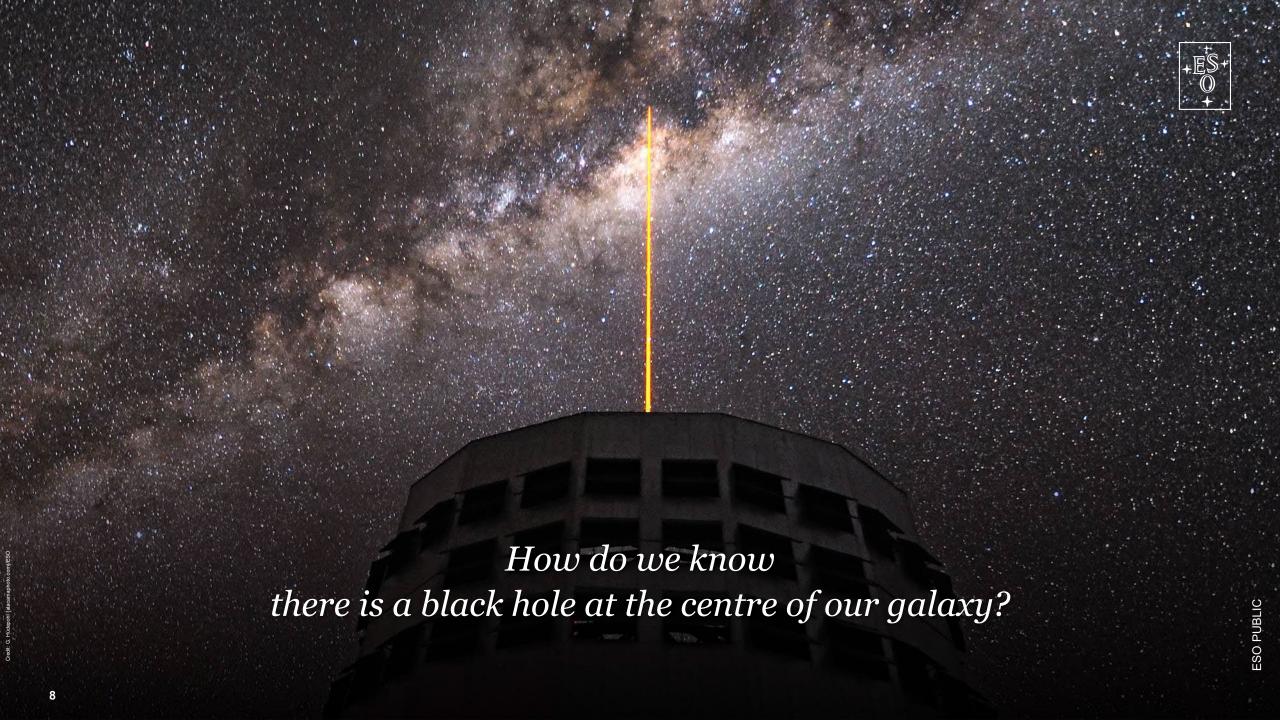


2004

ESOs VLT took the **first direct image** of a planet outside our
Solar System

2014
ALMA imaged the birth of planets





Nobel Prize in Physics 2020





2022 First image of Sagittarius A* the black hole at the centre of the Milky Way



Astronomy Life, the Universe and everything



"Man must rise above Earth,
to the top of the atmosphere and beyond,
for only then will he fully understand
the world in which he lives."

Socrates



Astronomy is one of the oldest sciences. Humans have always looked up to the sky and wondered what is out there and how we came to be.

It is about asking the **big questions** and ESO is all about helping scientists to **find answers**.

How do we do that?







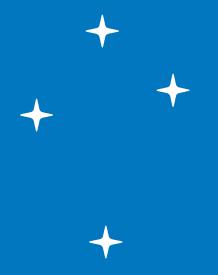




Our Mission



We design, build, and operate advanced ground-based observatories



We foster international collaboration for astronomy

SO PUBLIC

Our Vision

To advance humanity's understanding of the Universe by working with and for the astronomy community, providing it with world-leading facilities

Our Values









We achieve this through innovation



We provide outstanding services to our communities



We foster diversity and inclusion



We believe in the key role of sustainability for our future

These values are realised and maintained by ESO's people

Our Values

Achieving ESO's values is only possible on the basis of personal values and attitudes





















ESO in a nutshell

Founding Member States

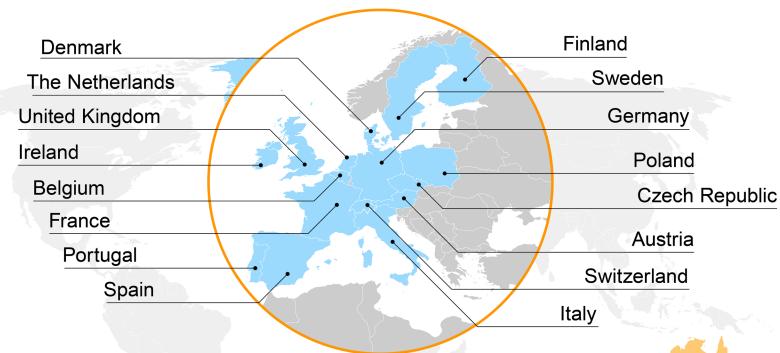




Intergovernmental Treaty
Organisation, **founded in 1962**by five Member States

Member States and Partners





Today ESO encompasses

16 Member States

Chile

Chile is the host state to ESO's telescopes and **Australia** is a strategic partner

Australia

Annual contributions



The annual Member States' contribution to ESO is approximately **234 million Euros**, or **0.50 Euros per person** in Europe per year*



*About one large caffè latte to go in **a decade**

ESO telescopes











ESO operated:

NTT 3.58 m

28

3.6-metre telescope

Hosted telescopes currently in operation: **11**

ESO operated:

VLT and VLTI

4 x 8.2 m, 4 x 1.8 m

VISTA 4.1 m

Hosted telescopes currently in operation:

VST, NGTS, SPECULOOS

Under construction:

ELT 39 m

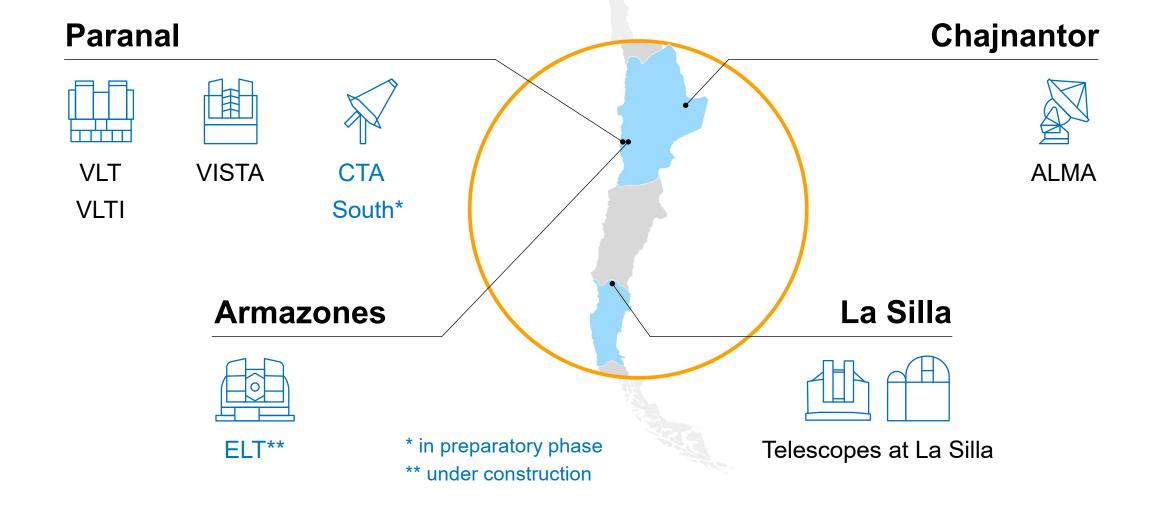
ALMA

54 x 12 m and 12 x 7 m

antennas

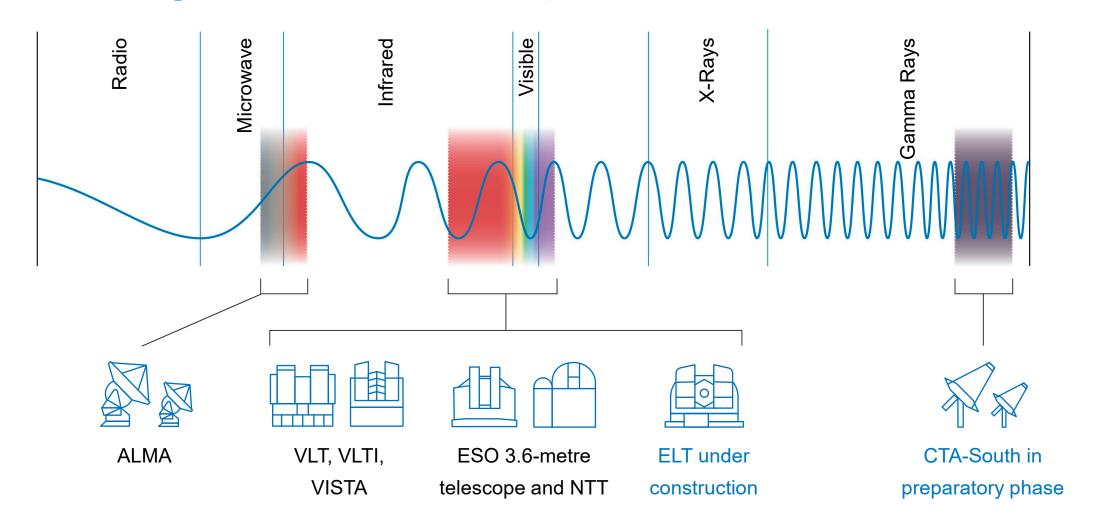
ESO telescopes



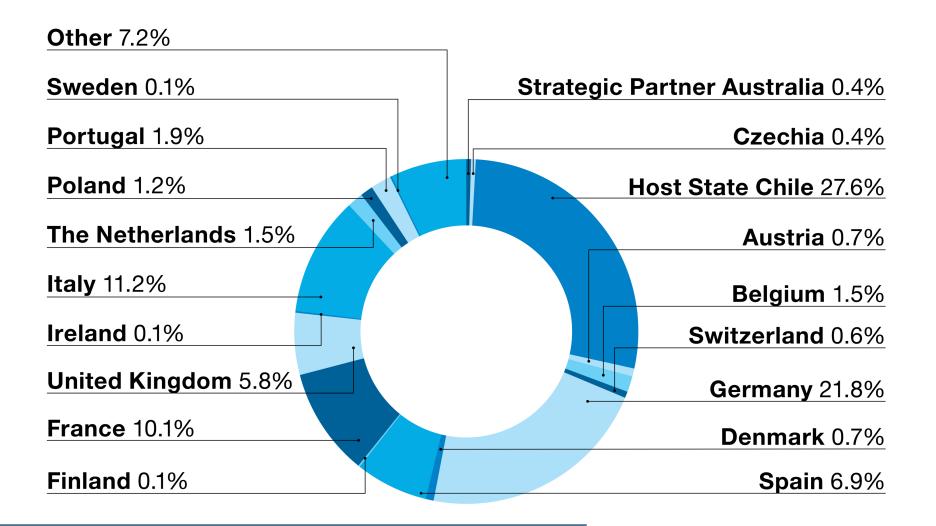


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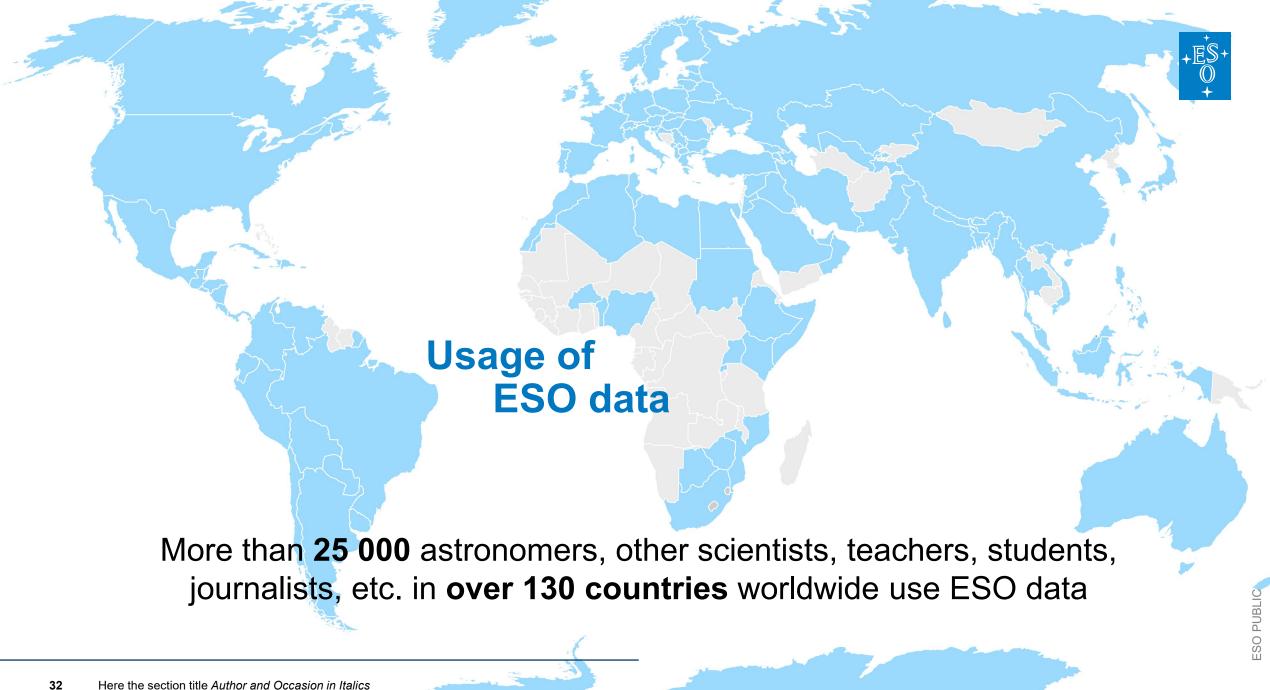
Wavelengths of ESO telescopes



Staff



more than
750 people
of more than
30 nationalities



+ES+ 0 +

ESO's publications record

