



# Open House Day 2014



11 October, 11:00–18:00



Dear Visitor,

We would like to thank you for choosing to visit ESO, the European Southern Observatory, and to offer you a warm welcome to our Headquarters. Below you will find a programme of activities, as well as a map to guide you around the building.

If you need help on your way, look for our members of staff, who are wearing badges. As ESO is an international organisation, we have staff speaking various languages.

## Programme

1

**Welcome to ESO.** Get free material about ESO, an event programme, a map of the building, and help with directions. Children can pick up passports to collect stamps and get a chance to win gifts if they accumulate all of the stamps from our activities. On departure, gifts can be collected from area 12. Moreover, children can pick up an album for stickers.

**HR@ESO.** In the lobby of the main entrance find out about the job opportunities ESO has available.

2

**ESO and ALMA exhibitions with models, Ask an astronomer.** Embark on all-inclusive journeys into and around some of ESO's most breathtaking sites and groundbreaking instruments. Learn more about ESO's telescopes and science. If you have questions, look for one of our staff members wearing an "Ask an astronomer" badge and they will be happy to help. **Stamp station and stickers.**

3

**ESO Chile Chill.** Take a moment to relax by watching incredible images from our sites in Chile and listen to a chill out session.

4

**Picture book presentation.** Join Space Rock Pedro and his friends on their exciting adventures. Aimed at children, shows start at 11:30, 12:30, 13:30, 14:30, 15:30 and 16:30 (duration 30 minutes).

5

**Planetarium.** Even though it is daytime, you will still get a chance to see the stars thanks to our planetarium activity. **Stamp station and stickers.**

6

**Guided tours of ESO.** Join our guides on a tour through the ESO premises and learn more about ESO and the new Headquarters extension building. Tours start every 30 minutes between 11:30 and 17:00. Registration at the starting point of the tour is required.

7

**European Extremely Large Telescope (E-ELT) prototype components and astronomical instrumentation.** ESO builds some of the largest telescopes in the world. Visit our new integration laboratory and learn about instruments, E-ELT prototype component testing and optical experiments done to optimise the performance of telescopes. You will also learn how ESO sends laser beams into the sky to simulate stars. **Stamp station and stickers.**

8

**ESOshop.** If you are looking for souvenirs or gifts, this is the place to be. Our products include books, clothing, postcards and stickers.

# Programme

9

**Live connection to Paranal and ALMA in Chile, talks, and a screening of the documentary “Europe to the Stars – ESO’s first 50 years of exploring the southern sky”.**

11:20 – 11:45	Talk: How Optical Fibres Help to Discover Planets (in English)
11:45 – 12:10	Talk: Auf der Suche nach extraterrestrischem Leben – Was wir von der Erde lernen können (in German)
12:10 – 13:10	Documentary: Europe to the Stars – ESO’s first 50 years of Exploring the Southern Sky (English with German subtitles)
13:10 – 13:35	Talk: Wie entstehen die Sterne? (in German)
13:35 – 14:00	Talk: Neues Superteleskop auf 5000 Meter Höhe – ALMA blickt tief ins All (in German)
14:00 – 14:25	Live connection to ALMA
14:25 – 14:50	Talk: Near-Earth Objects – Unterschätzte Gefahr oder Horrorszenario? (in German)
14:50 – 15:10	Talk: Laser Leitsterne für die nächsten Großteleskope (in German)
15:10 – 15:35	Talk: Warum gibt es immer noch Leben auf der Erde? (in German)
15:35 – 15:55	Talk: Unsere Planeten (in German for children of primary school age)
15:55 – 16:20	Talk: In Search of our Cosmic Origins – The Atacama Large Millimeter/submillimeter Array (in English)
16:20 – 16:45	Live connection to Paranal
16:45 – 17:10	Talk: E-ELT – Das europäische Riesenteleskop der Zukunft (in German)
17:10 – 17:35	Talk: Night Adventures in Atacama – ESO’s Ultra HD Imaging Expedition (in English)
17:35 – 17:55	Documentary: ALMA – In Search of our Cosmic Origins (English with German subtitles)

10

**Cafeteria.** Free drinks are available for our visitors. For a small donation to our Charity Group, you can also enjoy an international buffet with traditional food from around the world, all home-made by our staff.

11

**Hands-on engineering work.** Especially for youngsters between the ages of 13 and 16. Do you want to learn how a telescope works? Do you like to try out design software? Or track a star on the computer? Then visit us! Hourly presentations, starting from 11:30 onwards.

12

**Face painting.** Children will have lots of fun having their faces painted with diverse astronomical themes, such as stars, galaxies or comets. If you have visited all our stamp stations, you can pick up your gift here. **Stamp station and stickers.**

13

**Comet factory.** At this spectacular comet making demonstration learn about comets and what they’re made of. Hourly shows, presentations in English at 12:00, 14:00 and 16:00; German presentations at 13:00, 15:00 and 17:00.

14

**Stellarium and a photo collection of the night sky.** A demonstration of the Stellarium software and how you can use it to find your way around night sky. Admire vistas of the night sky. **Stamp station and stickers.**

15

**Infrared photography.** Have your infrared picture taken!

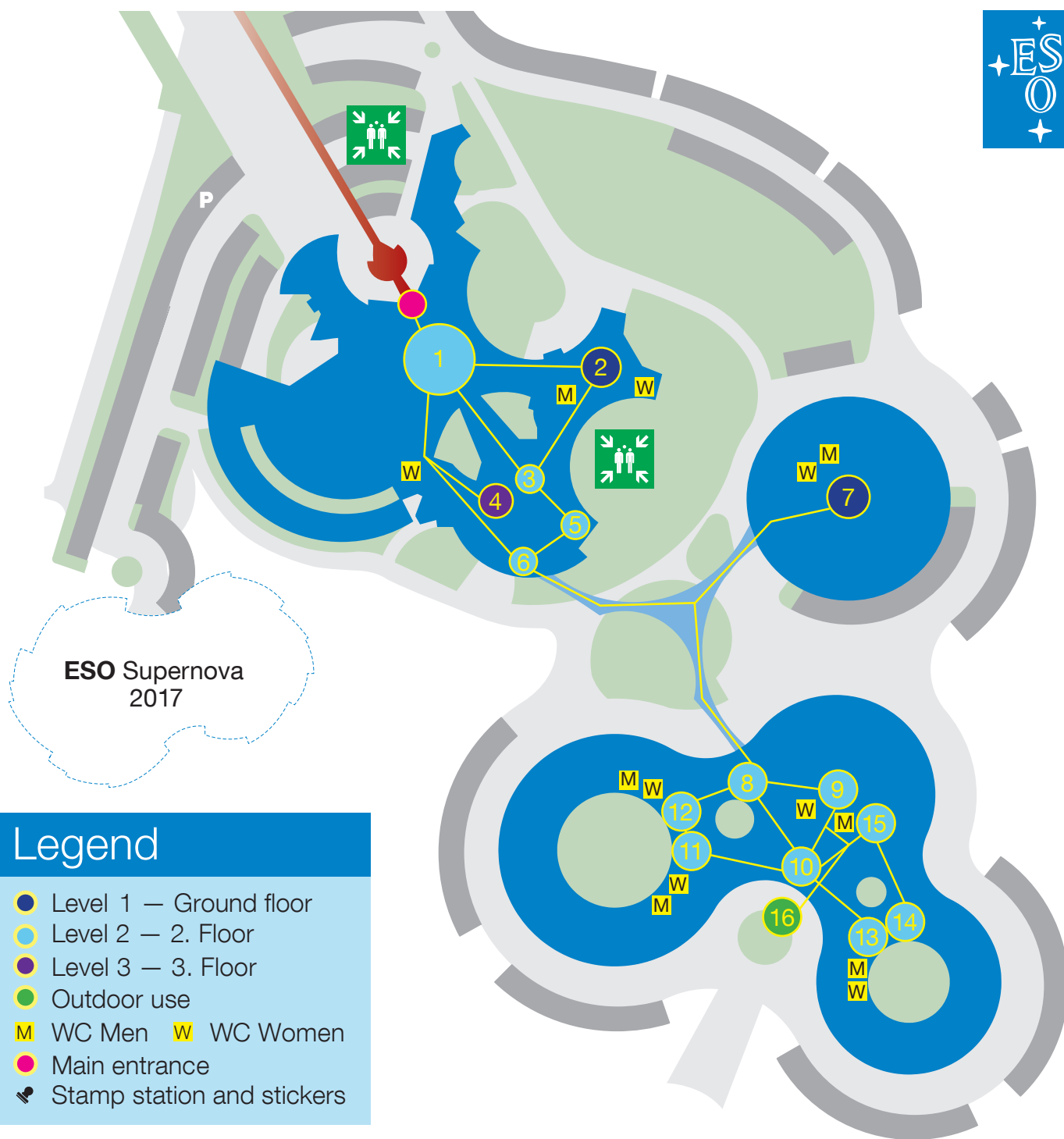
16

**Observing with a telescope.** If we have clear skies, AGAPE astronomers will show you the Sun using a special filter on their telescopes.

If you plan to take photos during the event, we invite you to share them with us on our Flickr group:  
<http://www.flickr.com/groups/youresopictures/>

We would also like to invite you to share your impressions about the ESO Open House Day over Twitter @ESO or on our Facebook page:  
<https://www.facebook.com/ESO Astronomy>

Thank you for joining us today!



ESO Supernova  
2017

## Legend

- Level 1 — Ground floor
- Level 2 — 2. Floor
- Level 3 — 3. Floor
- Outdoor use
- M WC Men   W WC Women
- Main entrance
- Stamp station and stickers

## Directory

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