



# Open House Day 2017

21 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 16. Children can also pick up an album for stickers here.

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

**Adaptive Optics Demonstration.** Our experts will introduce you to a system used on telescopes called adaptive optics (AO) and explain how AO is useful for direct imaging of exoplanets.

4

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

5

**Picture book presentation.** *Paul und Marie reisen zu den Sternen.* A story by Maria Breuer with illustrations by Daniela Kunkel (Carlsen Verlag). For kids as of the age of 3 years, duration 20 minutes.

6

**Photo collection of the night sky.** Admire vistas of the night sky and astronomical objects.

7

**Exploring the night sky.** Discover the amazing astronomical objects you can see throughout the year and how to identify the bright stars and major constellations the next time you're out stargazing. **Stamp station and stickers.**

8

**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. Registration at the starting point of the tour is required. Tours in German. English tours on demand.

9

**The Extremely Large Telescope (ELT) prototype components, astronomical instrumentation and mechanical workshop.** ESO builds some of the largest telescopes in the world. Learn about instruments, ELT prototype component testing and how to optimise the performance of telescopes. Visit our mechanical workshop and see live machining from raw material to precision parts to be installed at our telescopes. **Stamp station and stickers.**

10

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



## Programme

11

**Talks, live connection to Chile and documentaries.** Events in ESO's big auditorium Eridanus. Duration 20–30 minutes.

12

**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.

13

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

14

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

15

**Comet factory.** At this spectacular comet making demonstration learn about comets and what they're made of.

16

**Face painting and Lego telescope building.** Children will have lots of fun having their faces painted with diverse astronomical themes, such as stars, galaxies or comets. You can also build your very own mini-telescope out of Lego (limited number available)! If you have visited all our stamp stations, you can pick up your gift here. **Stamp station and stickers.**

17

**Youngsters Corner.** Looking for future Co-Workers! See how creative, exciting and varied technology is! Give it a try: Come with us on a hands-on tour, with workshops and experiments – or simply ask us questions to your heart's content! **Stamp station and stickers.**

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!

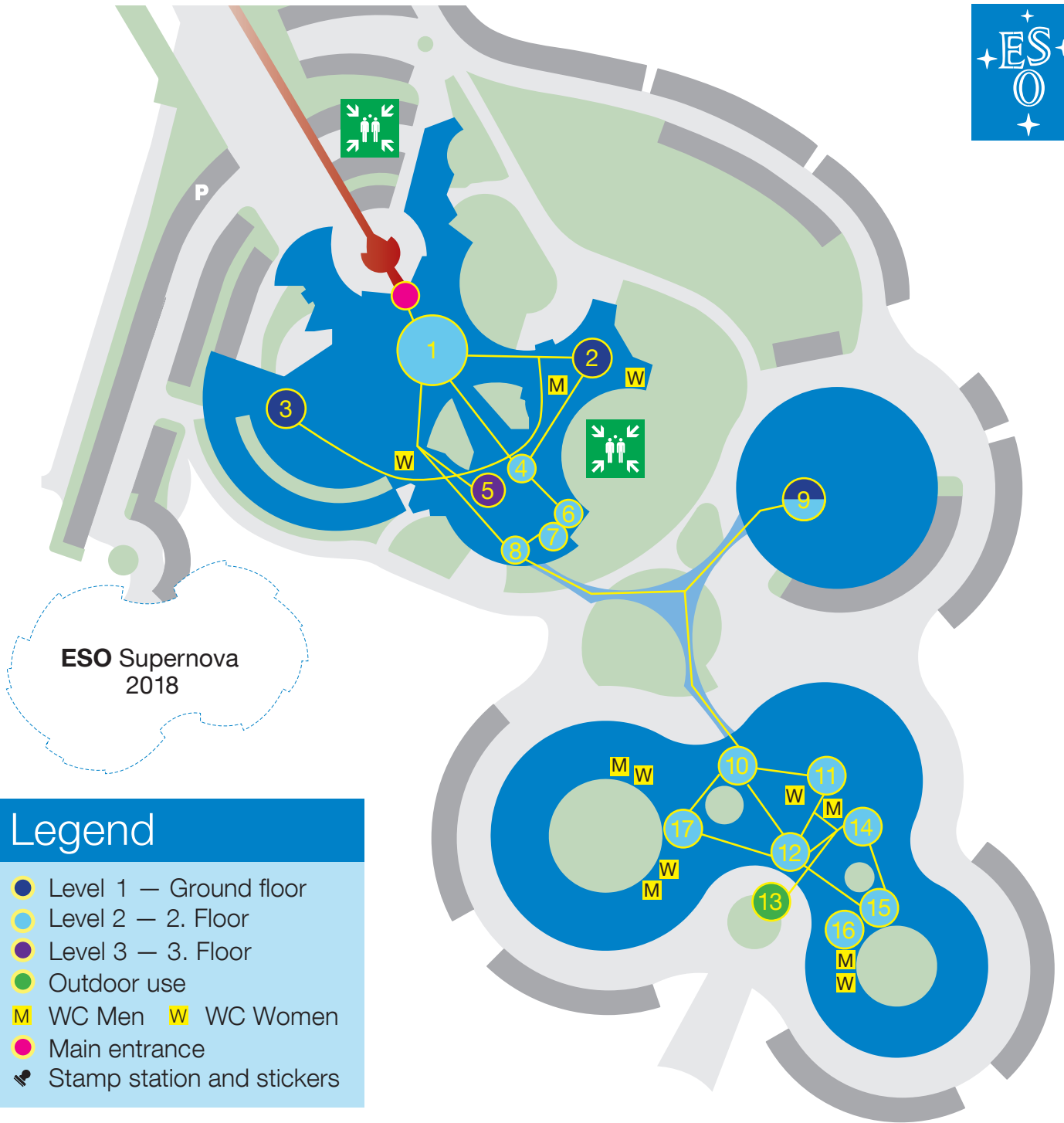
## Schedule

Start time	Activity	Language	Area	Suitable for
11:15	Picture book presentation	German	5	Kids > 3 years
11:25	Documentary: <i>Europe to the Stars – ESO's first 50 years of Exploring the Southern Sky</i> (short version)	English	11	All ages
11:30	Presentation: Exploring the night sky	German	7	All ages
11:30	Guided tour of ESO	German, English on demand	8	All ages
11:30	Comet-making demonstration	English	15	All ages
11:45	Talk: <i>Unsere Planeten</i>	German	11	Kids 6–12 years
12:00	Guided tour of ESO	German, English on demand	8	All ages
12:15	Picture book presentation	German	5	Kids > 3 years
12:20	Talk: <i>Warum gibt es noch Leben auf der Erde?</i>	German	11	All ages



# Schedule

Start time	Activity	Language	Area	Suitable for
12:30	Presentation: Exploring the night sky	English	7	All ages
12:30	Guided tour of ESO	German, English on demand	8	All ages
12:30	Comet-making demonstration	German	15	All ages
12:55	Talk: <i>ESO – eine allgemeine Einführung</i>	German	11	Kinder > 8 Jahren
13:00	Guided tour of ESO	German, English on demand	8	All ages
13:00	Demonstration: Infrared camera	German	14	All ages
13:15	Picture book presentation	German	5	Kids > 3 years
13:30	Talk: <i>ALMA – ein neues Auge blickt tief ins Weltall</i>	German	11	All ages
13:30	Presentation: Exploring the night sky	German	7	All ages
13:30	Guided tour of ESO	German, English on demand	8	All ages
13:30	Comet-making demonstration	English	15	All ages
14:00	Guided tour of ESO	German, English on demand	8	All ages
14:05	Live connection to ALMA, Chile	German	11	All ages
14:15	Picture book presentation	German	5	Kids > 3 years
14:30	Talk: <i>ESO Supernova Planetarium &amp; Besucherzentrum</i>	German	11	All ages
14:30	Presentation: Exploring the night sky	English	7	All ages
14:30	Guided tour of ESO	German, English on demand	8	All ages
14:30	Comet-making demonstration	German	15	All ages
14:50	Talk: <i>Von Sonnenbrillen und Supercomputern – Polarisierung in der Astrophysik</i>	German	11	All ages
15:00	Guided tour of ESO	German, English on demand	8	All ages
15:15	Picture book presentation	German	5	Kids > 3 years
15:25	Talk: <i>Die Suche nach außerirdischem Leben – und was wir von der Erde lernen können</i>	German	11	All ages
15:30	Presentation: Exploring the night sky	German	7	All ages
15:30	Guided tour of ESO	German, English on demand	8	All ages
15:30	Demonstration: Infrared camera	German	14	All ages
15:30	Comet-making demonstration	English	15	All ages
16:00	Live connection to Paranal, Chile	German	11	All ages
16:00	Guided tour of ESO	German, English on demand	8	All ages
16:15	Picture book presentation	German	5	Kids > 3 years
16:30	Talk: <i>Under the Hood of ALMA</i>	English	11	All ages
16:30	Presentation: Exploring the night sky	English	7	All ages
16:30	Guided tour of ESO	German, English on demand	8	All ages
16:30	Comet-making demonstration	German	15	All ages
17:00	Guided tour of ESO	German, English on demand	8	All ages
17:05	Talk: <i>Astrophotography – Gems of the Chilean Sky</i>	English	11	All ages
17:15	Picture book presentation	German	5	Kids > 3 years
17:30	Presentation: Exploring the night sky	German	7	All ages
17:40	Dokumentarfilm: <i>ALMA – In Search of our Cosmic Origins</i>	English with German subtitles	11	All ages



ESO Supernova  
2018

## 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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