



# Where do I find what?

## or how to become an LPO superuser

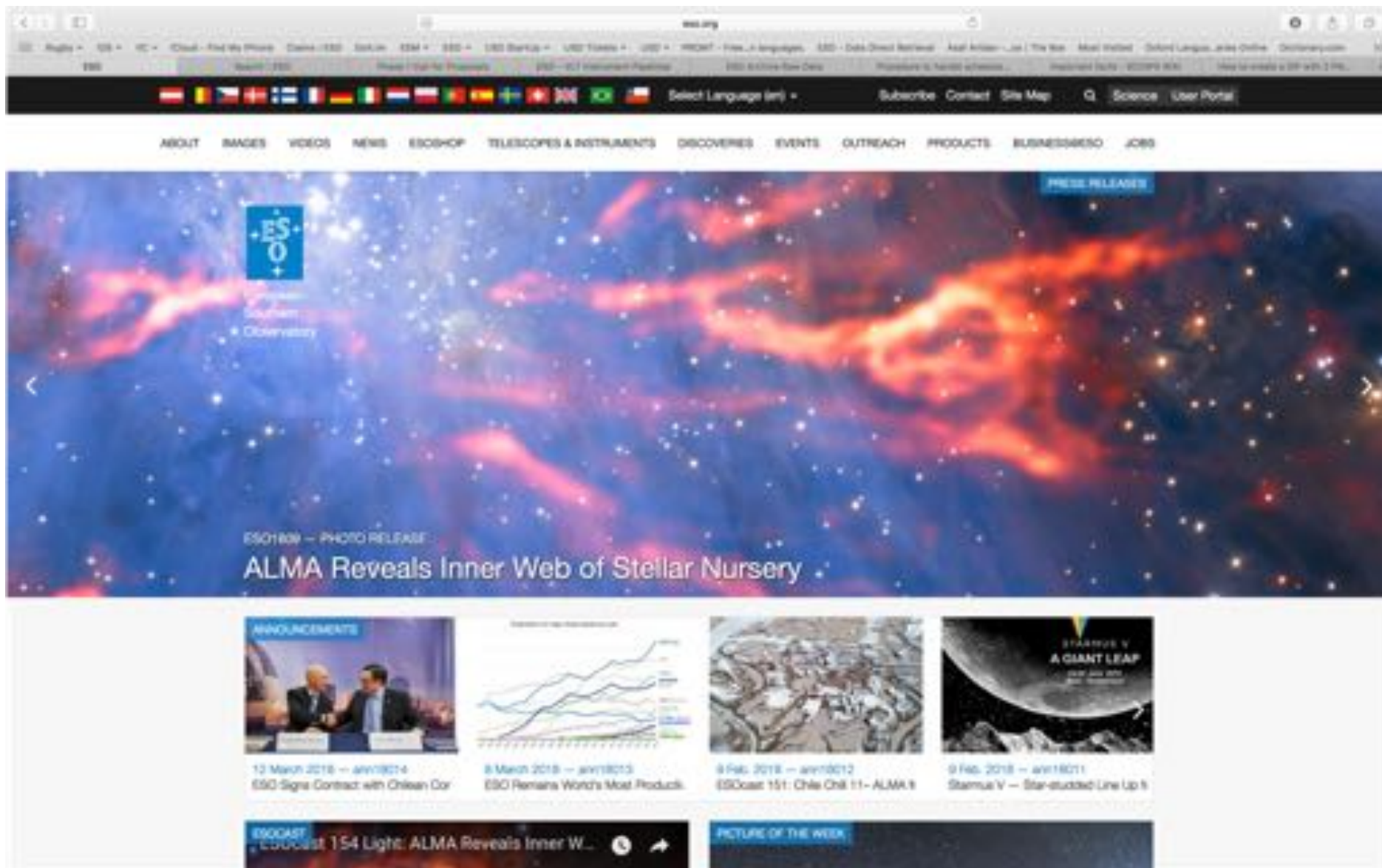
Public

John Pritchard





www.eso.org



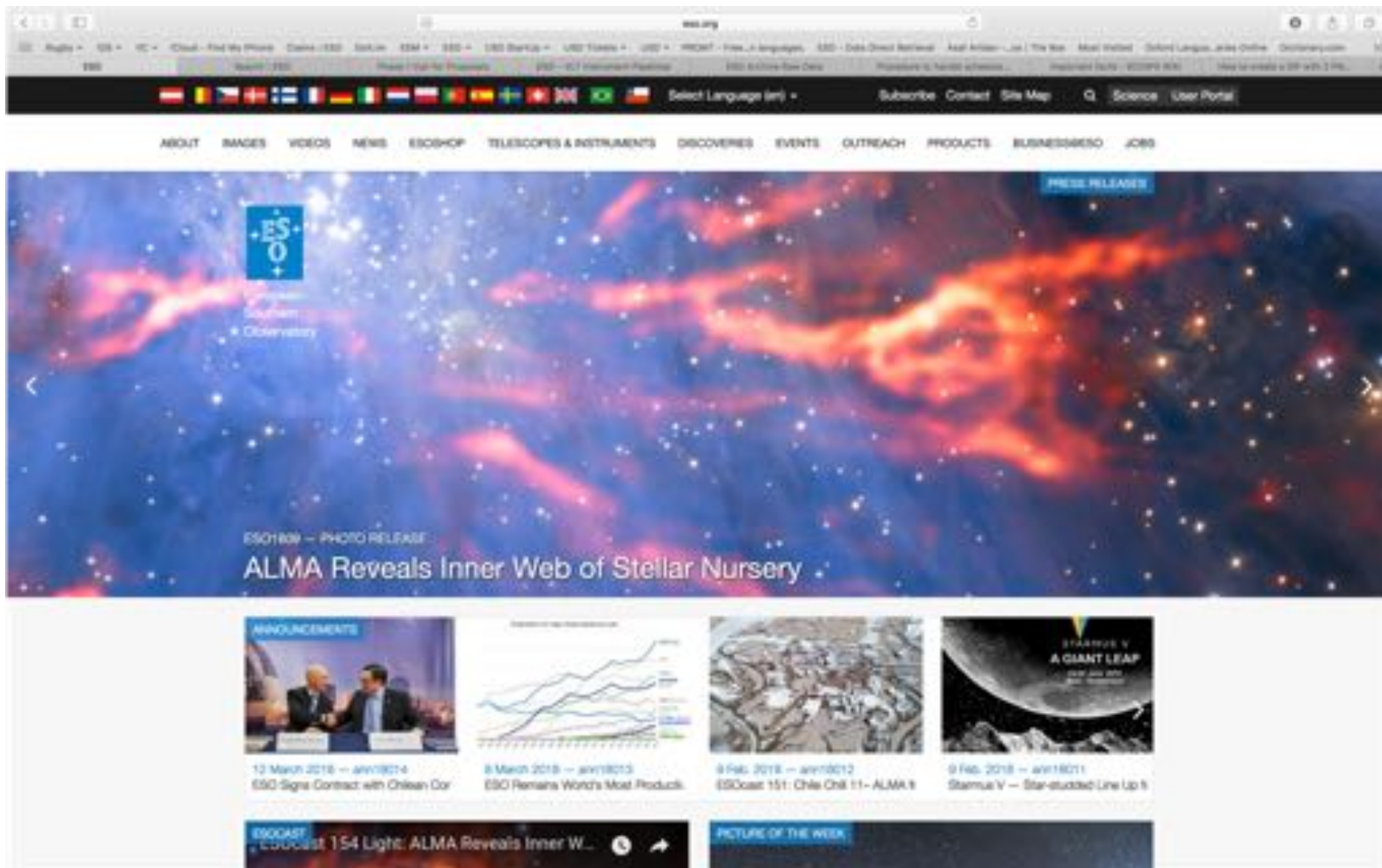


# Three faces...

- ESO's Public face...
- ESO's Science face...
- And the User Portal...



# ESO's public face



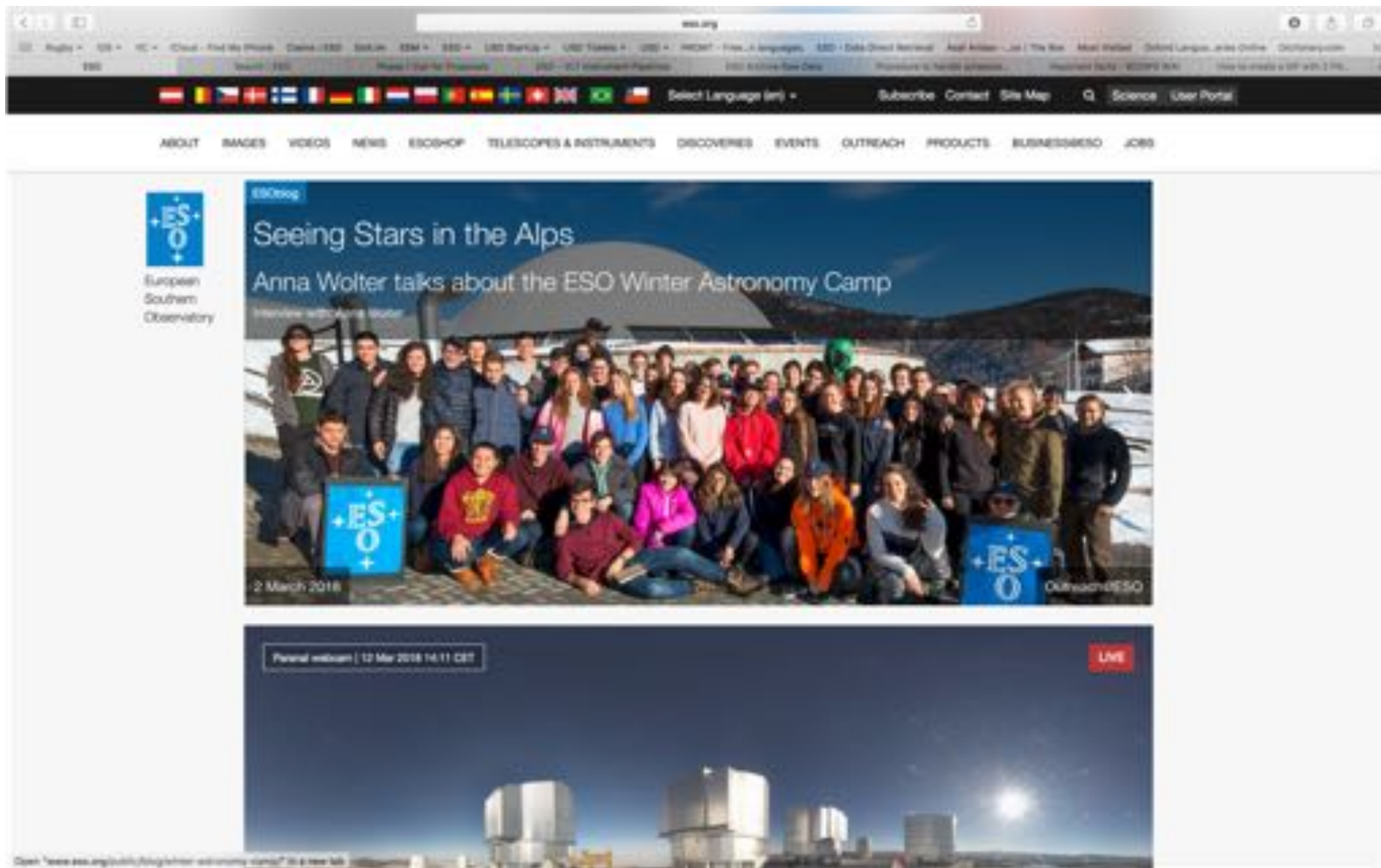


# ESO's public face



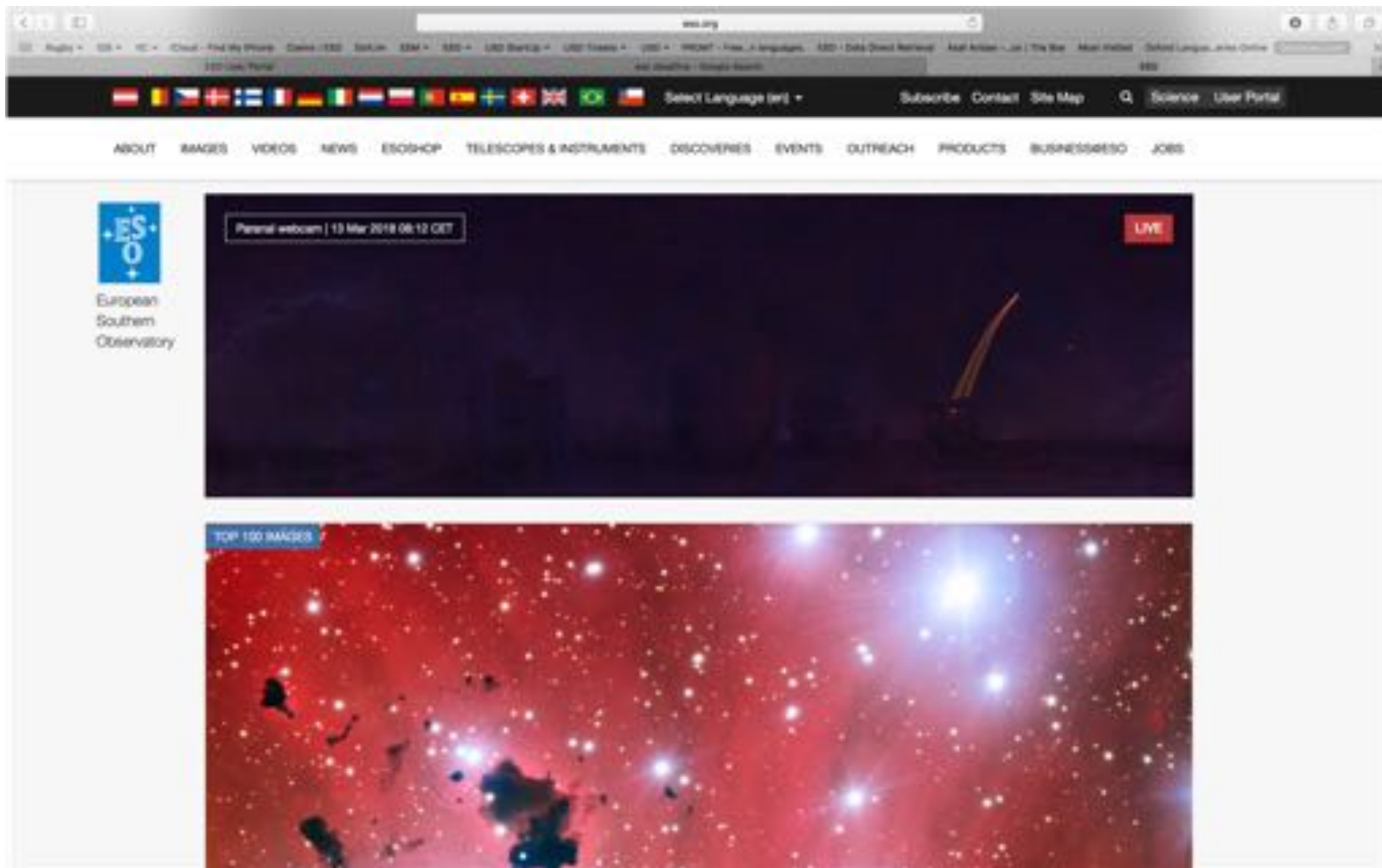


# ESO's public face



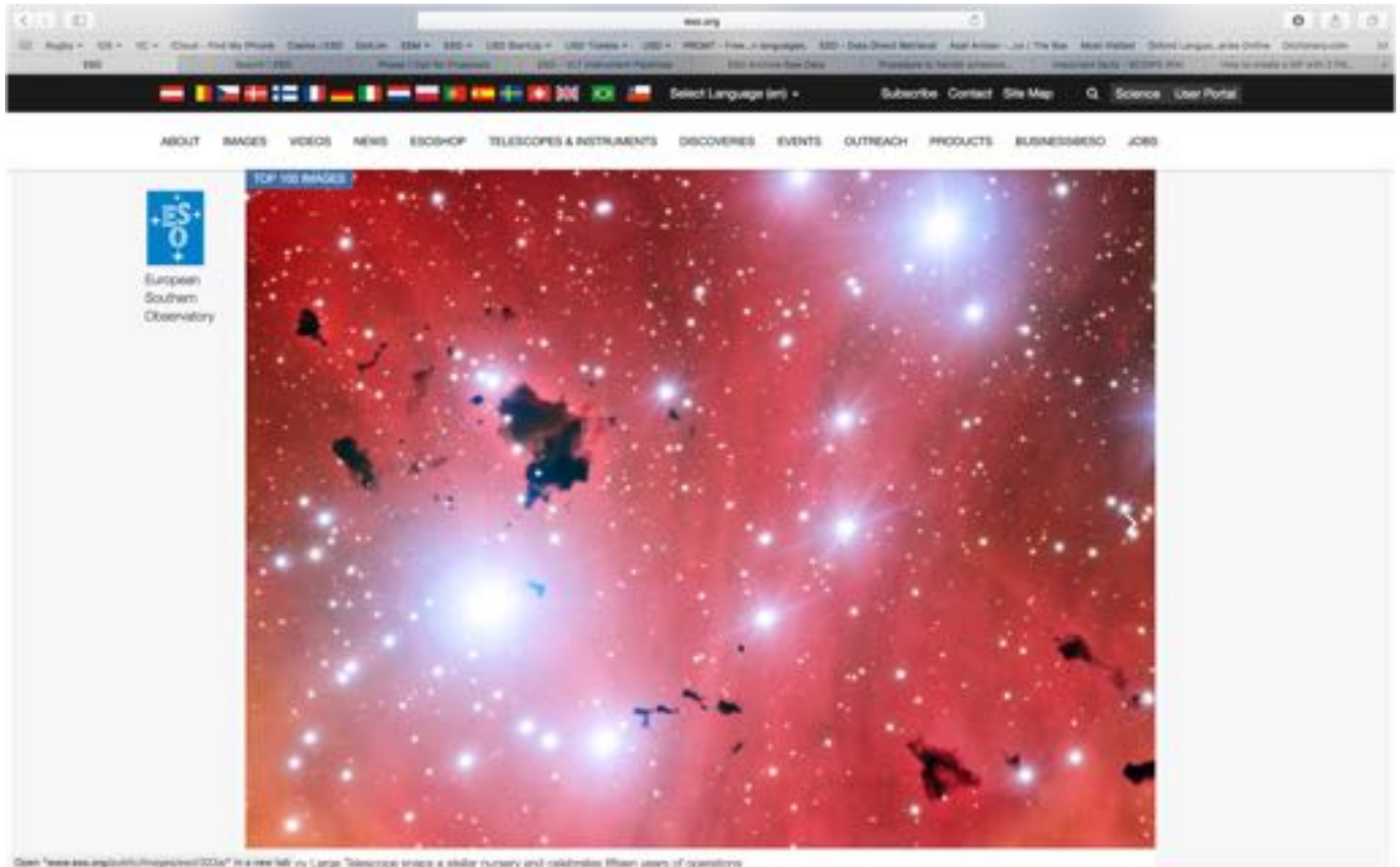


# ESO's public face





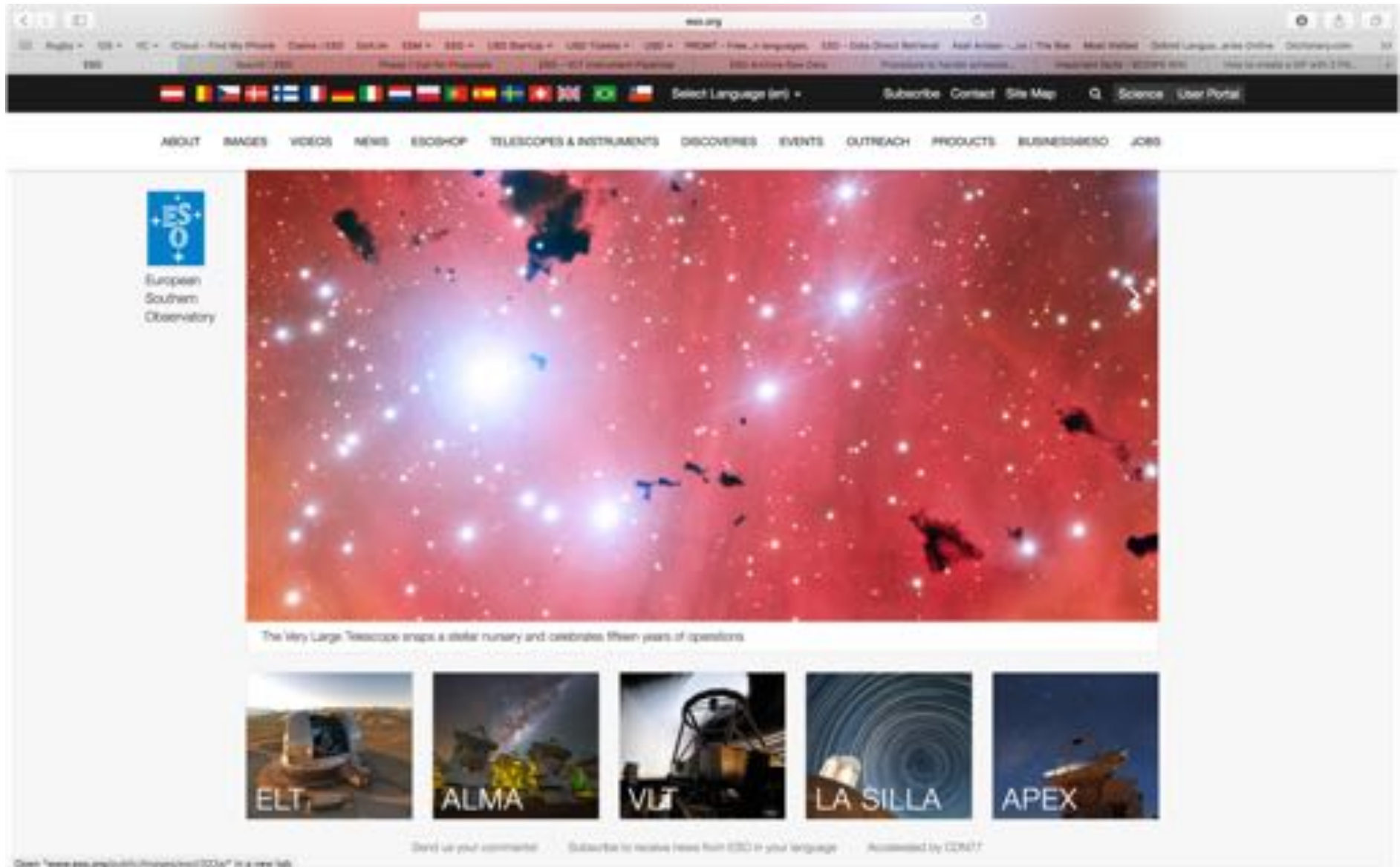
# ESO's public face







# ESO's public face



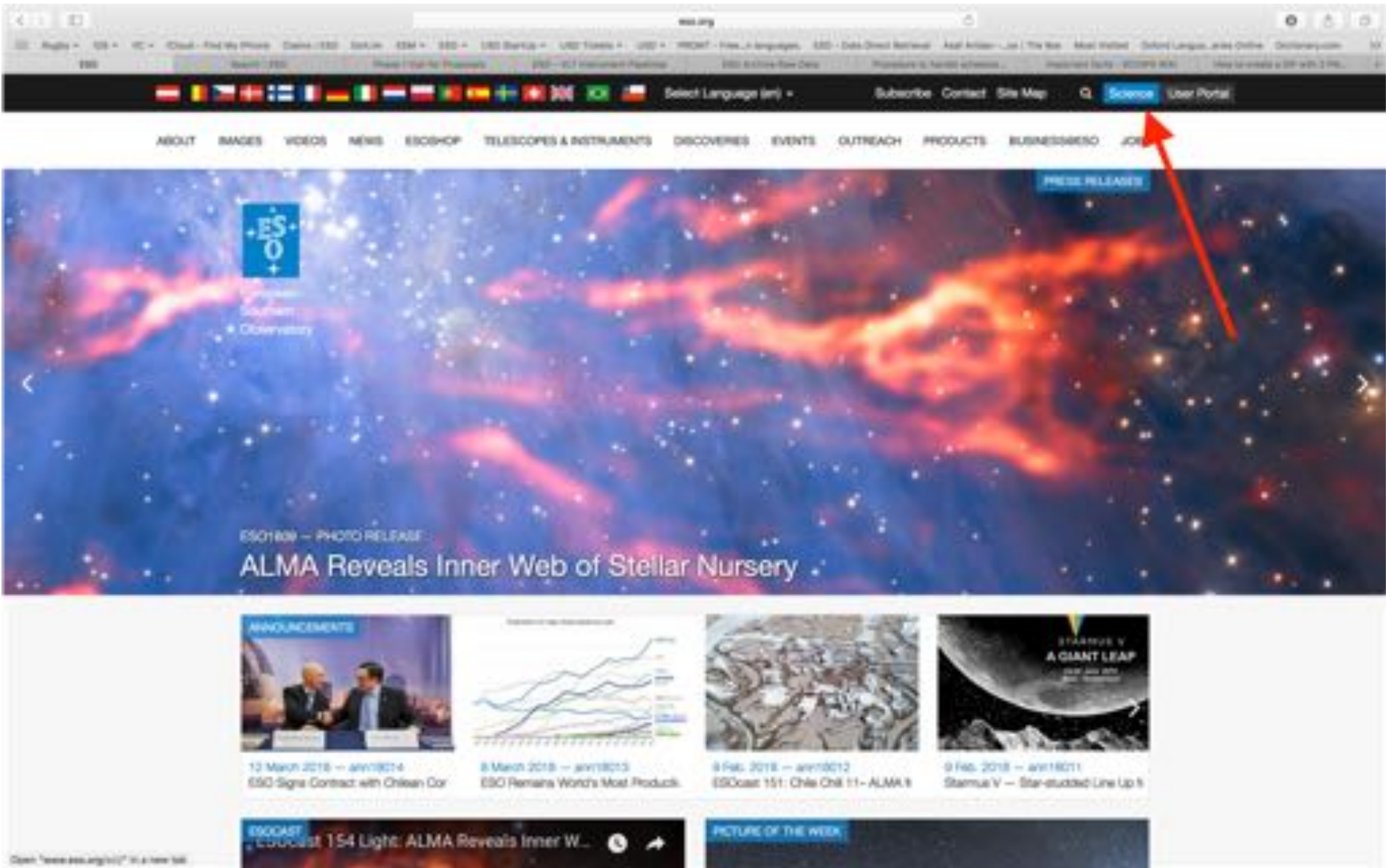


# Science

- Provides access to the full and complete set of resources to do anything you need to do science with ESO facilities
- But it has a certain age, and it has evolved rather organically over that lifetime, so while ALL the information is there, it's not always easy to find exactly what you are looking for.



# Science





# Science

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal Contact Site Map Search Go

12 Mar 2018

**Science Users Information**

Observing Facilities  
 Future Facilities and Development  
 Observing with ESO Telescopes  
 Science Software  
 Data Handling and Products  
 Science Archive Facility  
 Science Activities  
 Science Publications  
 Science and Technical Meetings  
 IT Services  
 Libraries  
 Vacancies  
 Libraries

**Science Users Information**

These pages are aimed at ESO community astronomers and contain all the information required in order to prepare, execute, process and exploit observations with ESO facilities. They also provide information on the scientific activities taking place at ESO. Details can be accessed via the navigation menu.

**ESO Science Announcements**

**Call for Proposals for Period 102**  
 Published: 01 Mar 2018  
 The [Call for Proposals](#) for observations at ESO telescopes in Period 102 (1 October 2018 – 31 March 2019) has been released. Please consult the [Period 102 document](#) for the main news items and policies related to applying for time on ESO telescopes. All technical information about the offered instruments and facilities is contained on ESO webpages that are linked from the Call. The proposal submission deadline is 12:00 CEST **28 March 2018**.  
[Go to Announcement](#)

**Large Programmes Offered Once per Year from P104**  
 Published: 28 Feb 2018  
 Starting from Period 104, Large Programmes will only be offered in even periods, i.e., periods with a proposal submission deadline in March or April. ESO encourages the community to

**The Messenger**  
 The [Messenger 170](#) is now available. Highlights include:

- Watson & Couch: Astronomy in Australia
- GRAVITY Collaboration & Merand et al.: First light & Science Verification for the GRAVITY instrument
- Leibundgut et al.: MUSE Wide Field Mode Adaptive Optics Science Verification
- Poggianti et al.: Exploring gas stripping in galaxies in the GASP Large Programme
- Spavone et al.: Unveiling the nature of giant ellipticals and their stellar halos with the VST
- P. Crowther: Dissecting the core of the Tarantula Nebula with MUSE

You can [subscribe](#) to the hardcopy of The Messenger or browse the [complete](#)





# Science

The screenshot shows the ESO Science Users Information website. At the top, there is a header with the ESO logo and the text "European Southern Observatory". Below this is a navigation bar with tabs for "Public", "Science", and "User Portal". A search bar is located on the right side of the navigation bar. The main content area is divided into several sections:

- Science Users Information:** A vertical menu on the left side containing links for "Observing Facilities", "Future Facilities and Development", "Observing with ESO Telescopes", "Science Software", "Data Handling and Products", "Science Archive Facility", "Science Activities", "Science Publications", "Science and Technical Meetings", "IT Services", "Libraries", "Vacancies", and "Libraries".
- Observing Facilities:** A sub-menu on the right side of the "Science Users Information" menu, listing "La Silla Paranal Observatory", "Paranal Facilities", "La Silla Facilities", "APEX", "ALMA", "E-ELT", "Instrumentation Development", and "ESO Science Announcements".
- Call for Proposals for Period 102:** A news article published on 01 Mar 2018. It states that the Call for Proposals for observations at ESO telescopes in Period 102 (1 October 2018 – 31 March 2019) has been released. It provides information on applying for time on ESO telescopes and mentions a proposal submission deadline of 12:00 CEST 28 March 2018.
- Large Programmes Offered Once per Year from P104:** A news article published on 28 Feb 2018. It states that starting from Period 104, Large Programmes will only be offered in even periods, i.e., periods with a proposal submission deadline in March or April. ESO encourages the community to apply.
- The Messenger:** A section on the right side of the page, titled "The Messenger 170 is now available." It lists highlights from the newsletter, including:
  - Watson & Couch: Astronomy in Australia
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  - Leibundgut et al.: MUSE Wide Field Mode Adaptive Optics Science Verification
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# Science

European Southern Observatory

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Public Science User Portal Contact Site Map Search Go!

12 Mar 2018

### Science Users Information

community astronomers and contain all the information required in order to prepare observations with ESO facilities. They also provide information on the scientific activities that can be accessed via the navigation menu.

- Policies and Procedures
- Telescope Time Allocation
- Phase 1 Proposals
- Phase 2 Preparation
- Phase 3
- Public Surveys
- Observing Tools and Services
- Visiting Astronomers

#### Call for Proposals for Period 102

**Published: 01 Mar 2018**

The [Call for Proposals](#) for observations at ESO telescopes in Period 102 (1 October 2018 – 31 March 2019) has been released. Please consult the [Period 102 document](#) for the main news items and policies related to applying for time on ESO telescopes. All technical information about the offered instruments and facilities is contained on ESO webpages that are linked from the Call. The proposal submission deadline is 12:00 CEST **28 March 2018**.

[Go to Announcement](#)

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# Science

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal Contact Site Map Search Go

12 Mar 2018

### Science Users Information

These pages are aimed at ESO community astronomers and contain all the information required in order to prepare, submit, access and conduct observations with ESO facilities. They also provide information on the scientific activities that can be accessed via the navigation menu.

- Instrument Pipelines
- Common Pipeline Library
- SOFT Collection
- ESO MIDAS
- Eclipse
- Gaia
- Reflex

#### Call for Proposals for Period 102

**Published: 01 Mar 2018**

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[Go to Announcement](#)

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**Published: 28 Feb 2018**

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The [Messenger 1.70](#) is now available. Highlights include:

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# Science

The screenshot shows the ESO website's 'Science Users Information' page. At the top, there is a navigation bar with 'Public', 'Science', and 'User Portal' tabs. Below this is a search bar and a 'Go!' button. The main content area is titled 'Science Users Information' and contains a paragraph explaining that the pages are for ESO community astronomers. A sidebar on the left lists various categories like 'Observing Facilities', 'Data Handling and Products', and 'IT Services'. The main content features two prominent announcements: 'Call for Proposals for Period 102' (published 01 Mar 2018) and 'Large Programmes Offered Once per Year from P104' (published 28 Feb 2018). On the right, there is a section titled 'The Messenger' with a list of highlights including 'Watson & Couch: Astronomy in Australia', 'GRAVITY Collaboration & Merand et al.', and 'Leibundgut et al.: MUSE Wide Field Mode Adaptive Optics Science Verification'.







# Science

European Southern Observatory

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- Science Archive Facility
- Science Activities
- Science Publications
- Science and Technical Meetings
- IT Services
- Libraries
- Vacancies
- Libraries

- Data Portal
- ESO Data
- Hubble Space Telescope Data
- Virtual Observatory Tools
- Catalogues, Plates and DCS
- Tools and Documentation
- Related External Services
- ESO & HST Image Galleries
- News and Updates
- FAQ
- ESO Data Access Policy

#### Call for Proposals for Period 102

**Published: 01 Mar 2018**

**Call for Proposals** for observations at ESO telescopes in Period 102 (1 October 2018 – March 2019) has been released. Please consult the [Period 102 document](#) for the main items and policies related to applying for time on ESO telescopes. All technical information about the offered instruments and facilities is contained on ESO webpages that are linked from the Call. The proposal submission deadline is 12:00 CEST **28 March 2018**.

[Go to Announcement](#)

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**Published: 28 Feb 2018**

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#### The Messenger

The **Messenger 170** is now available. Highlights include:

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# Science

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal Contact Site Map Search Go

12 Mar 2018

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- Science Software
- Data Handling and Products
- Science Archive Facility
- Science Activities
- Science Publications
- Science and Technical Meetings
- IT Services
- Libraries
- Vacancies
- Libraries

Call for Public Surveys with the Arizona Radio Observatory

Science Staff

Science in Garching

Science in Santiago

Fellowships and Studentships

Instrument Commissioning

VLTI/VLT Science Verification

VISTA Science Verification

APEX Science Verification

### Call for Proposals for Period 102

Published: 01 Mar 2018

Call for Proposals for observations at ESO telescopes in Period 102 (1 October 2018 – March 2019) has been released. Please consult the [Period 102 document](#) for the main items and policies related to applying for time on ESO telescopes. All technical information about the offered instruments and facilities is contained on ESO webpages that are linked from the Call. The proposal submission deadline is 12:00 CEST **28 March 2018**.

[Go to Announcement](#)

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Published: 28 Feb 2018

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### The Messenger

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- P. Crowther: Dissecting the core of the Tarantula Nebula with MUSE

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# The User Portal

- The principal gateway for science users
- Continuously evolving (danger of ending up like the science pages...)
- Some things are missing, (as I discovered preparing this presentation) hopefully, at least some of them will be added in the not too distant future...



# The User Portal

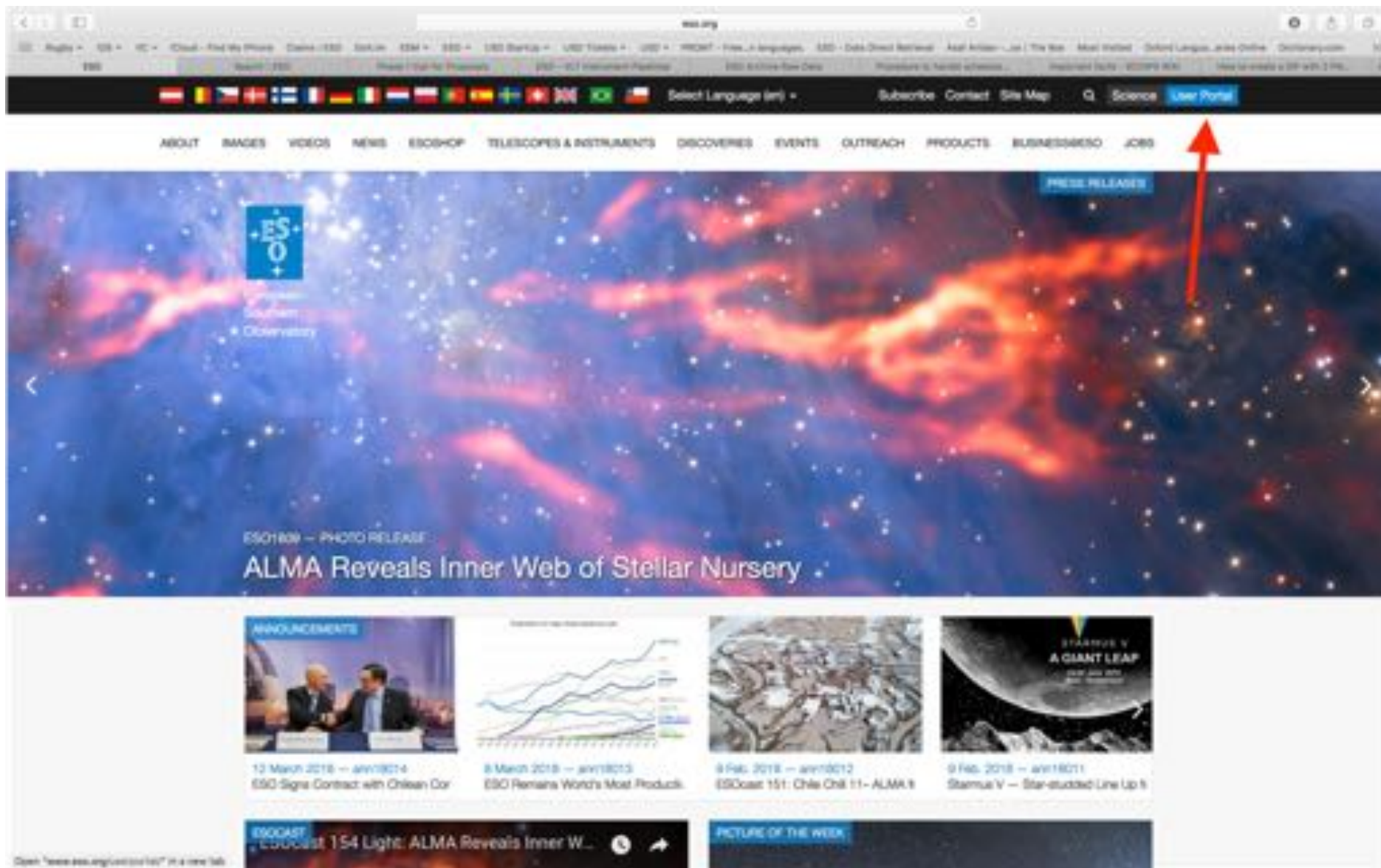
The screenshot shows the ESO User Portal interface. At the top, there is a navigation bar with the ESO logo and the text "European Southern Observatory". Below this, there are tabs for "Public", "Science", and "User Portal", with "User Portal" being the active tab. A search bar is located on the right side of the navigation bar. The main content area is divided into several sections:

- Science Users Information:** A section with a red arrow pointing to it, containing text about the portal's purpose for astronomers and a list of links in the left sidebar.
- ESO Science Announcements:** A section featuring two main announcements:
  - Call for Proposals for Period 102:** Published 01 Mar 2018. Text: "The Call for Proposals for observations at ESO telescopes in Period 102 (1 October 2018 – 31 March 2018) has been released. Please consult the Period 102 document for the main news items and policies related to applying for time on ESO telescopes. All technical information about the offered instruments and facilities is contained on ESO webpages that are linked from the Call. The proposal submission deadline is 12:00 CEST 28 March 2018."
  - Large Programmes Offered Once per Year from P104:** Published 28 Feb 2018. Text: "Starting from Period 104, Large Programmes will only be offered in even periods, i.e., periods with a proposal submission deadline in March or April. ESO encourages the community to submit Large Programmes that do not extend over a number of periods larger than that required scientifically. From Period 104 onwards, ESO will strive to execute Large Programmes over shorter periods of time (splitting at two semesters by default) while maintaining the ceiling set by Council of the observing time allocated to Large Programmes (i.e., 30% of the available time on the VLT/VLTs). These measures follow the recommendations of ESO's Time Allocation Working Group, reviewed by the Scientific Technical Committee and Users Committee, and aim to increase the scientific impact of ESO's telescopes."
- The Messenger:** A section titled "The Messenger 171 is now available. Highlights include:" followed by a list of articles:
  - Watson & Couch: Astronomy in Australia
  - GRAVITY Collaboration & Merend et al.: First light & Science Verification for the GRAVITY instrument
  - Leibundgut et al.: MUSE Wide Field Mode Adaptive Optics Science Verification
  - Poggiani et al.: Exploring gas stripping in galaxies in the GASPI Large Programme
  - Scovone et al.: Unveiling the nature of giant ellipticals and their stellar halos with the VST
  - P. Crowther: Dissecting the core of the Tarantula Nebula with MUSE
- The ESO Science Newsletter:** A section titled "The ESO Science Newsletter" with text: "The March 2018 issue is now available. The ESO Science Newsletter, mailed approximately once per month, presents the most recent announcements. Subscription is controlled through the Manage Profile link on the User Portal."



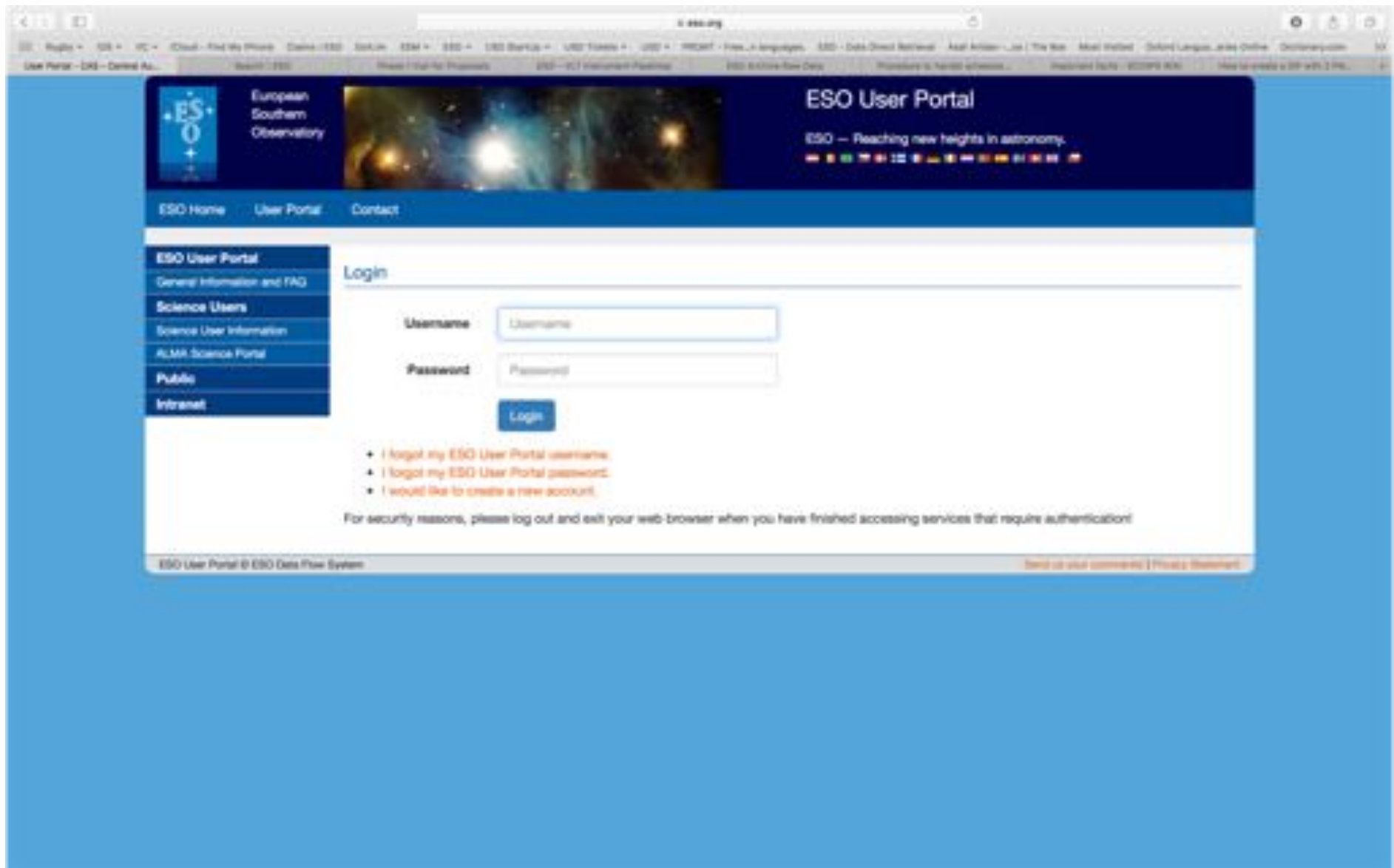


# The User Portal





# The User Portal





# The User Portal

The screenshot shows the ESO User Portal Services page. At the top, there is a navigation bar with 'ESO Home', 'Science', and 'Contact'. Below this is a header with the ESO logo and the text 'ESO — Reaching New Heights in Astronomy'. The main content area is titled 'ESO User Portal Services' and is divided into four sections: Phase 1, Phase 2, Phase 3, and Archive Services. A sidebar on the left contains a menu with options like 'ESO User Portal', 'Privileged Actions', 'Request a Special Run', 'Account Configuration', 'Home Page', 'Change Username', 'Change Password', 'Manage Profile', 'Science Users', 'Science User Information', and 'ALMA Science Portal'. The footer contains a small note about a new site and a link to the privacy statement.

ESO User Portal Services

- Phase 1**
  - Download the proposal form
  - Submit an observing proposal
  - Check the time allocation information
- Phase 2**
  - Prepare observing materials
  - Submit a target or set-up change request
  - Check the status of your observing runs
  - Delegate Phase 2 tasks
- Phase 3**
  - Download the Science Data Products Standard
  - Submit data
  - Check your Phase 3 submission status
  - Delegate Phase 3 tasks
- Archive Services**
  - Query the Archive for
    - La Silla Paranal raw data
    - La Silla Paranal reduced data
    - APEX reduced data
    - Phase 3 Catalogs
  - Delegate proprietary data access rights
  - Check your Archive requests
  - Access other Archive services
  - Access ALMA data
- Help**
  - Ask for help
  - Find User Portal Information and FAQ
  - Check the data reduction FAQ



# The User Portal

The screenshot shows the ESO User Portal interface. At the top, there is a navigation bar with the text "Science Users Information > ESO User Portal > Home Page". Below this is a sidebar menu with the following items: "ESO User Portal", "Privileged Actions", "Request a Special Run", "Account Configuration", "Home Page" (highlighted), "Change Username", "Change Password", "Manage Profile", "Science Users", "Science User Information", and "ALMA Science Portal". The main content area is titled "ESO User Portal Services" and is divided into three sections: "Phase 1" (with a document icon), "Phase 2" (with a telescope icon), and "Archive Services" (with a database icon). The "Phase 1" section includes: "Download the proposal form", "Submit an observing proposal", and "Check the time allocation information". The "Phase 2" section includes: "Prepare observing materials", "Submit a target or set-up change request", "Check the status of your observing runs", and "Delegate Phase 2 tasks". The "Archive Services" section is partially visible at the bottom.





# Phase 1: Proposal Preparation

- First things that are missing...
  - Countdown to deadline
  - Link to Call for Proposals
- So let's be brave, let's Google it...



# Phase 1: Proposal Preparation

Google search results for "eso call for proposals".

About 7.360.000 results (0,46 seconds)

- ESO - Phase 1 Call for Proposals**  
<https://www.eso.org/sci/observing/phase1.html>  
Proposals for observations at the ESO telescopes are invited twice a year. A Call for Proposals is issued twice a year, at the beginning of March (for observations to be carried out between October 1 of the current year and March 31 of the following year) and at the beginning of September (for observations to be carried out ...  
You've visited this page 2 times. Last visit: 3/12/18
- ESO - Paranal - Call For Proposals P101**  
<https://www.eso.org/sci/facilities/paranal/cfp/cfp101.html>  
Sep 19, 2017 - This section also lists the recent changes to Paranal instrument and facilities since period 99 or expecting to take place during period 101 as well as the changes foreseen in the coming periods; please refer to the Call for Proposals for Period 101 for other changes (policy, etc.) relevant for observations with ...
- ESO - Applying for Observing Time - Open - Eso.org**  
[www.eso.org](http://www.eso.org) > ... > [Call for Proposals - Period 101](#) > [Applying for Observing Time](#)  
Applications for observing time on ESO telescopes may only be submitted electronically, and only using the ESOFORM proposal submission package obtained from this Web page. The Call for



# Phase 1: Proposal Preparation

The screenshot shows the ESO website interface. At the top, there is a navigation bar with the ESO logo and the text "European Southern Observatory". Below this, there is a banner with the text "ESO — Reaching New Heights in Astronomy" and a row of flags representing various countries. The main navigation menu includes "Public", "Science", "User Portal", "Contact", and "Site Map". A search bar is located on the right side of the menu. The main content area is titled "Phase 1 Call for Proposals" and contains two paragraphs of text. A red arrow points to the "Call for Proposals" link in the left sidebar menu.

Science Users Information > Observing with ESO Telescopes > Phase 1 Proposals

## Phase 1 Call for Proposals

Proposals for observations at the ESO telescopes are invited twice a year. A **Call for Proposals** is issued twice a year, at the beginning of March (for observations to be carried out between October 1 of the current year and March 31 of the following year) and at the beginning of September (for observations to be carried out between April 1 and September 30 of the year following the release of the Call). Proposals must be submitted by the respective deadline (end of March and end of September) using the supplied **ESO Proposal Package** and following the instructions given in the Call for Proposals.

The Call for Proposals also gives an overview of the telescopes and instruments that can be applied for, as well as of the applicable policies and procedures. The proposals are reviewed by the Observing Programmes Committee (OPC), whose members are selected on scientific excellence and are organised in specialised panels according to their **area of scientific expertise**. The OPC evaluates the scientific merits of the proposals. Its recommendations serve as basis for final decision on the telescope time allocation by the Director General. The outcome of this process is communicated to the proposers by end of June (for proposals submitted in March) or end of December (for proposals submitted in September). Information about successful proposals is published in the **telescope time allocation schedule**.



# Phase 1: Proposal Preparation

The screenshot shows the ESO website interface. The top navigation bar includes 'Public', 'Science', and 'User Portal'. The main content area is titled 'Applying for Observing Time' and contains the following text:

Telescope time for ESO telescopes at the La Silla Paranal Observatory is allocated twice a year in periods of 6 months. Allocation periods run from 1 October through 31 March, and from 1 April through 30 September. Applications for observing time on ESO telescopes may only be submitted electronically, and only using the **ESOFORM** proposal submission package obtained from this Web page.

The Call for Proposals describes the conditions under which observing time is offered on the ESO telescopes on the La Silla, Paranal, and Chajnantor (APEX) sites of the Observatory. The document is available in electronic form via this Web page.

**The deadline for Period 102 (1 October 2018 – 31 March 2019) is:**

**28 March, 2018**  
(12:00 noon, Central European Summer Time)

Applications for observing time for the ESO Telescopes have to be prepared using the **ESOFORM package**, and **uploaded** via the web. More details are given below. In order to submit proposals for ESO telescopes the **ESOFORM package** for cycle **102A** should be downloaded.

*Please note that conformity checks are performed at proposal submission time. Hence, proposers should follow the instructions given in the ESOFORM user's manual and verify a "printer" version of their proposal well before the deadline. It is the PI's responsibility to resolve any LaTeX formatting, figure upload or configuration problems well before the deadline. Please note that ESO cannot provide support beyond 19:00 CEST on the day of the deadline.*

**Call for Proposals for Period 102**

Applications may be submitted for the usage of the telescopes, instruments and instrument modes specified in the Call for Proposals for Period 102.

- **Period 102 Call for Proposals**  
This document has been shortened to focus mainly on policy and proposal preparation information.
- **Useful links for Period 102**  
Links to technical information about ESO facilities; foreseen changes in the performance of the offered instruments and useful information for the preparation of ESO proposals for the current call for proposals
- **Let's Breaking News**  
Please visit this page check regularly. It will contain information about the Call for Proposals that becomes available after the release.





# Phase 1: Proposal Preparation

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal Contact Site Map Search

## Applying for Observing Time

Telescope time for ESO telescopes at the La Silla Paranal Observatory is allocated twice a year in periods of 6 months. Allocation periods run from 1 October through 31 March, and from 1 April through 30 September. Applications for observing time on ESO telescopes may only be submitted electronically, and only using the **ESOFORM** proposal submission package obtained from this Web page.

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- Let's Breaking News**  
Please visit this page (check regularly) it will contain information about the Call for Proposals that becomes available after the release.



# Phase 1: Proposal Preparation

- First things that are missing...
  - Countdown to deadline
  - Link to Call for Proposals
  
- So let's be brave, let's Google it...
  
  
- Next missing thing:
  - Detailed information about the instruments and telescopes.



# Phase 1: Proposal Preparation

The screenshot shows the ESO User Portal interface. On the left is a navigation menu with the following items: ESO User Portal, Privileged Actions, Request a Special Run, Account Configuration, Home Page, Change Username, Change Password, Manage Profile, Science Users, Science User Information (highlighted with a red arrow), and ALMA Science Portal. The main content area is titled "ESO User Portal Services" and is divided into two columns. The left column is for "Phase 1" and includes: Download the proposal form, Submit an observing proposal, and Check the time allocation information. The right column is for "Phase 2" and includes: Prepare observing materials, Submit a target or set-up change request, Check the status of your observing runs, and Delegate Phase 2 tasks. At the bottom, there is a section for "Archive Services" with a database icon.



# Phase 1: Proposal Preparation

The screenshot shows the ESO website interface. At the top, there is a navigation bar with the ESO logo and the text "European Southern Observatory". Below this, there are several menu items: "Public", "Science", "User Portal", "Contact", "Site Map", and a search box. The main content area is divided into several sections:

- Science Users Information:** A vertical menu on the left side with items like "Observing Facilities", "Future Facilities and Development", "Observing with ESO Telescopes", "Science Software", "Data Handling and Products", "Science Archive Facility", "Science Activities", "Science Publications", "Science and Technical Meetings", "IT Services", "Libraries", "Vacancies", and "Libraries".
- Call for Proposals for Period 102:** A news item published on 01 Mar 2018. It states that the Call for Proposals for observations at ESO telescopes in Period 102 (1 October 2018 – 31 March 2019) has been released. It provides information on applying for time on ESO telescopes and mentions a proposal submission deadline of 12:00 CEST 28 March 2018.
- Large Programmes Offered Once per Year from P104:** A news item published on 28 Feb 2018. It states that starting from Period 104, Large Programmes will only be offered in even periods, i.e., periods with a proposal submission deadline in March or April. ESO encourages the community to apply.
- The Messenger:** A section on the right side of the page. It mentions "The Messenger 170 is now available" and lists highlights including:
  - Watson & Couch: Astronomy in Australia
  - GRAVITY Collaboration & Merand et al.: First light & Science Verification for the GRAVITY instrument
  - Leibundgut et al.: MUSE Wide Field Mode Adaptive Optics Science Verification
  - Poggianti et al.: Exploring gas stripping in galaxies in the GASP Large Programme
  - Spavone et al.: Unveiling the nature of giant ellipticals and their stellar halos with the VST
  - P. Crowther: Dissecting the core of the Tarantula Nebula with MUSE







# Phase 1: Proposal Preparation

The screenshot shows the ESO website interface. At the top, there's a navigation bar with 'Public', 'Science', and 'User Portal' tabs. Below that, a search bar and a 'Get' button are visible. The main content area is titled 'La Silla Paranal Observatory: The Paranal Facilities'. A left-hand navigation menu is open, listing various facilities and instruments. The main text describes the ESO Very Large Telescope (VLT) and its instruments. A red banner at the bottom of the page reads: 'In all Emergencies, dial 5555 from any phoning station. Read the Emergency Procedures.' Below this, there are links for 'More news' and 'Send Comments to Paranal Science Operations'.

**Navigation Menu (Left):**

- Paranal Facilities
- Emergency Procedures
- Call for Proposals
- Paranal News
- Contact Information
- Paranal Telescopes
- Paranal Instrumentation
  - CRRES
  - ESPRESSO
  - FLAMES
  - FORIS
  - HAWK-I
  - VIMOS
  - MUSE
  - NACO
  - SINFONI
  - SPHERE
  - LIVES
  - VIMOS
  - VISIR
  - i-SHOOTER
  - Vista Point
  - VLT AMBER
  - VLT GRAVITY
  - VLT MONER
  - VLT VISTA Instrument
  - VIRCAM @ VISTA
  - OmniCAM @ VLT
  - Moscar
- Decommissioned Instruments
- Safety and Logistics
- Paranal Astroimaging
- Paranal Science Operations

**Main Content:**

**La Silla Paranal Observatory: The Paranal Facilities**

On Paranal ESO operates the ESO Very Large Telescope (VLT) with four 8.2-m Unit Telescopes (UTs). Each UT can work independently, in which case it sends the light beam towards either a Cassegrain or one of two Nasmyth focus stations for facility instruments. In addition, the UTs can work together to form an interferometric array (VLTI); in this case, they observe through a common Coudé focus station, where adaptive optic systems correct atmospheric turbulence before forwarding them to an interferometric instrument.

VLTI consists of four Auxiliary Telescopes (ATs) which form the VLT Interferometer.

Paranal also operates several other instruments. The 15th instrument to be offered to the community as part of the VLT program is the VLT Survey Telescope (VST). Furthermore, ESO also operates two survey telescopes, each with its own instrument: the 4-m ATLAS and the 1.2-m ATLAS2.

**Quick Links:**

- La Silla Paranal Observatory
- La Silla Facilities
- @ESO

**Contact Information:**

- Contact Overview
- Paranal Contact List
- La Silla Contact List
- @ESO Contact List

**Visiting the Observatory:**

Please read the details about [Visiting the La Silla Paranal Observatory](#) when you visit.

**Emergency Banner:**

In all Emergencies, dial 5555 from any phoning station  
Read the [Emergency Procedures](#)

[More news](#)

[Send Comments to Paranal Science Operations](#) | [Subscribe to Newsletter](#) | [Privacy Statement](#)

Open <https://www.eso.org/en/for-the-community/instruments.html> in a new tab.





# The User Portal

The screenshot displays the ESO User Portal interface. On the left is a navigation menu with the following items: ESO User Portal, Privileged Actions, Request a Special Run, Account Configuration, Home Page (highlighted), Change Username, Change Password, Manage Profile, Science Users, Science User Information, and ALMA Science Portal. The main content area is titled "ESO User Portal Services" and is divided into three sections:

- Phase 1** (represented by a document icon):
  - Download the proposal form
  - Submit an observing proposal
  - Check the time allocation information
- Phase 2** (represented by a telescope icon):
  - Prepare observing materials
  - Submit a target or set-up change request
  - Check the status of your observing runs
  - Delegate Phase 2 tasks
- Archive Services** (represented by a database icon)



# Phase 2: Observation Preparation

John Pritchard | Logout

## ESO User Portal Services

Phase 1	Phase 2	Phase 3
<ul style="list-style-type: none"> <li>the proposal form</li> <li>observing proposal</li> <li>time allocation</li> </ul>	<ul style="list-style-type: none"> <li>Prepare observing materials</li> <li>Submit a target or set-up change request</li> <li>Check the status of your observing runs</li> <li>Delegate Phase 2 tasks</li> </ul>	<ul style="list-style-type: none"> <li>Download the Science Data Products Standard</li> <li>Submit data</li> <li>Check your Phase 3 submission status</li> <li>Delegate Phase 3 tasks</li> </ul>





# Phase 2: Observation Preparation

## ■ Delegation



# Phase 2: Delegation

European Southern Observatory

ESO — Reaching New Heights in Astronomy

ESO Home Science Contact

### ESO User Portal Services

<b>Phase 1</b> Download the proposal form Submit an observing proposal Check the time allocation information	<b>Phase 2</b> Prepare observing materials Submit a target or set-up change request Check the status of your observing runs Delegate Phase 2 tasks	<b>Phase 3</b> Download the Science Data Products Standard Submit data Check your Phase 3 submission status Delegate Phase 3 tasks
<b>Archive Services</b> Query the Archive for La Silla Paranal raw data La Silla Paranal reduced data APEX reduced data Phase 3 Catalogs	Check your Archive requests Access other Archive services Access ALMA data	<b>Help</b> Ask for help Find User Portal information and FAQ Check the data reduction FAQ



# Phase 2: Delegation

The screenshot shows the 'ACE - Access Control ESO' web interface. The main heading is 'Grant/Revoke/View Phase 2 and Data Access Rights for Active and Proprietary Runs'. It lists two runs with their details:

Run	Instrument	Mode	From/To	Phase 2	Data Access
0100.S-0688	MUSE	Service	-	Granted: 08-03-2018 11:22	Granted: 08-03-2018 11:22
298.C-0051	FLAMES	Service	-	Granted: 17-03-2017 13:53	Granted: 17-03-2017 13:53





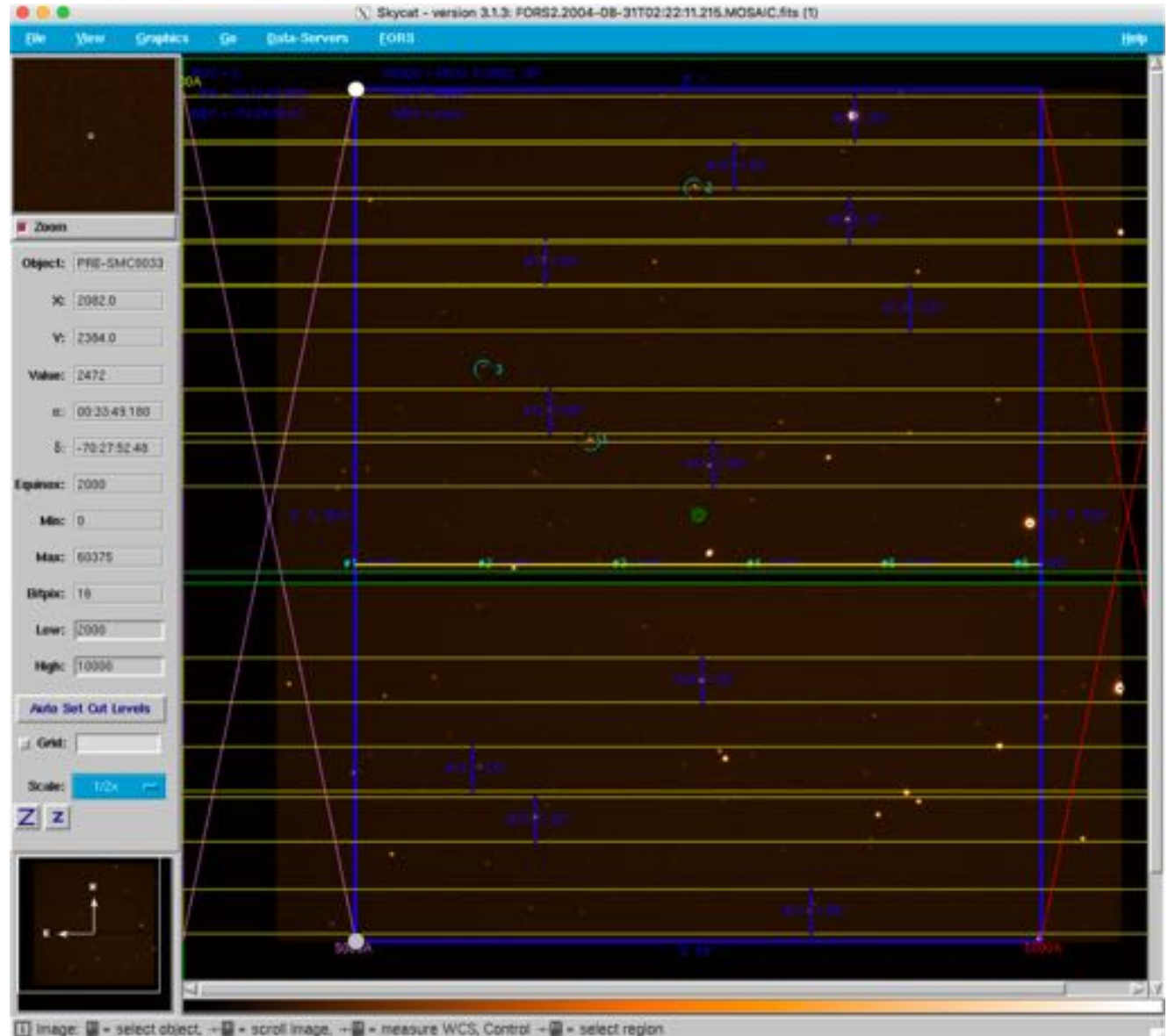
# Phase 2: Observation Preparation

- Delegation
- Phase 2 Observation Preparation Software
  - Required for several instruments (FORS, FLAMES, KMOS, MUSE, VISIR, HAWK-I)
  - Available from the ESO software repositories
    - Mac OS 10.9 – 10.12 (soon 10.13) via MacPorts
    - Fedora 20 – 25 (soon 26 & 27) via RPM
    - Scientific Linux 7 (→ RHEL 7 & CentOS 7)
    - Experimental support for Ubuntu (LTS plus latest two releases)
    - Installation from tarball



# Phase 2: Observation Preparation Software

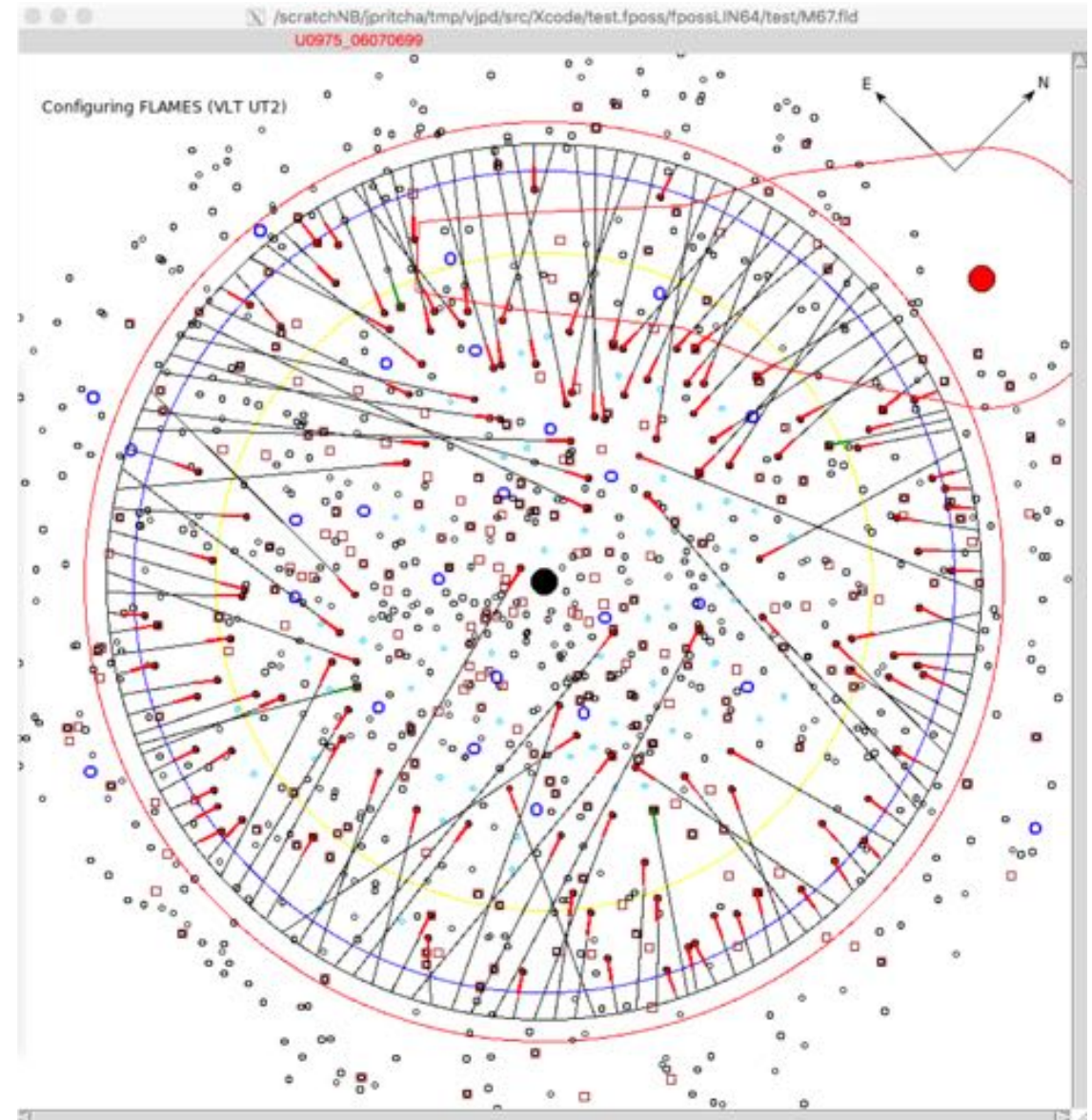
- FIMS for FORS
- Slit positioning





# Phase 2: Observation Preparation Software

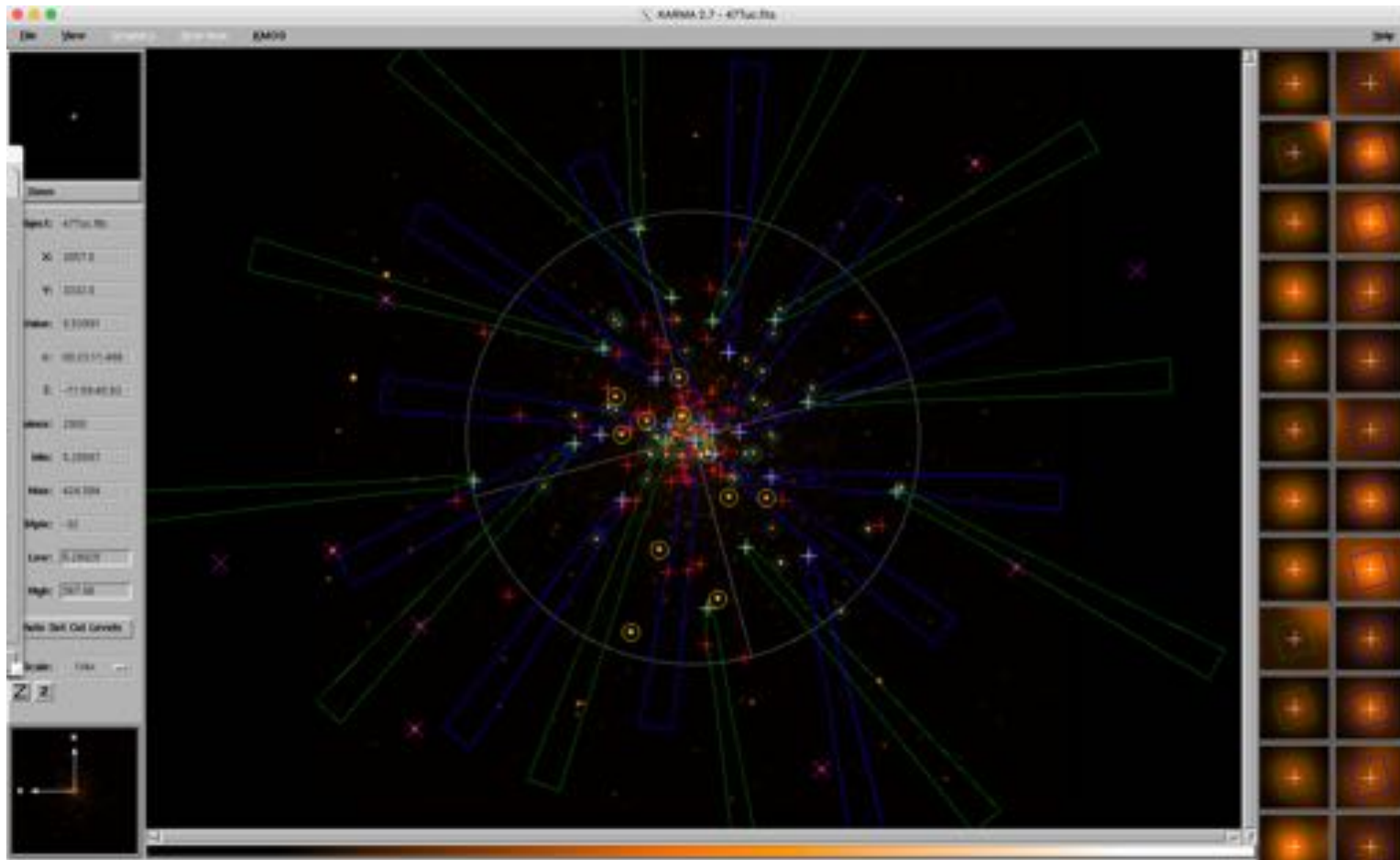
- FPOSS for FLAMES
- Fibre positioning





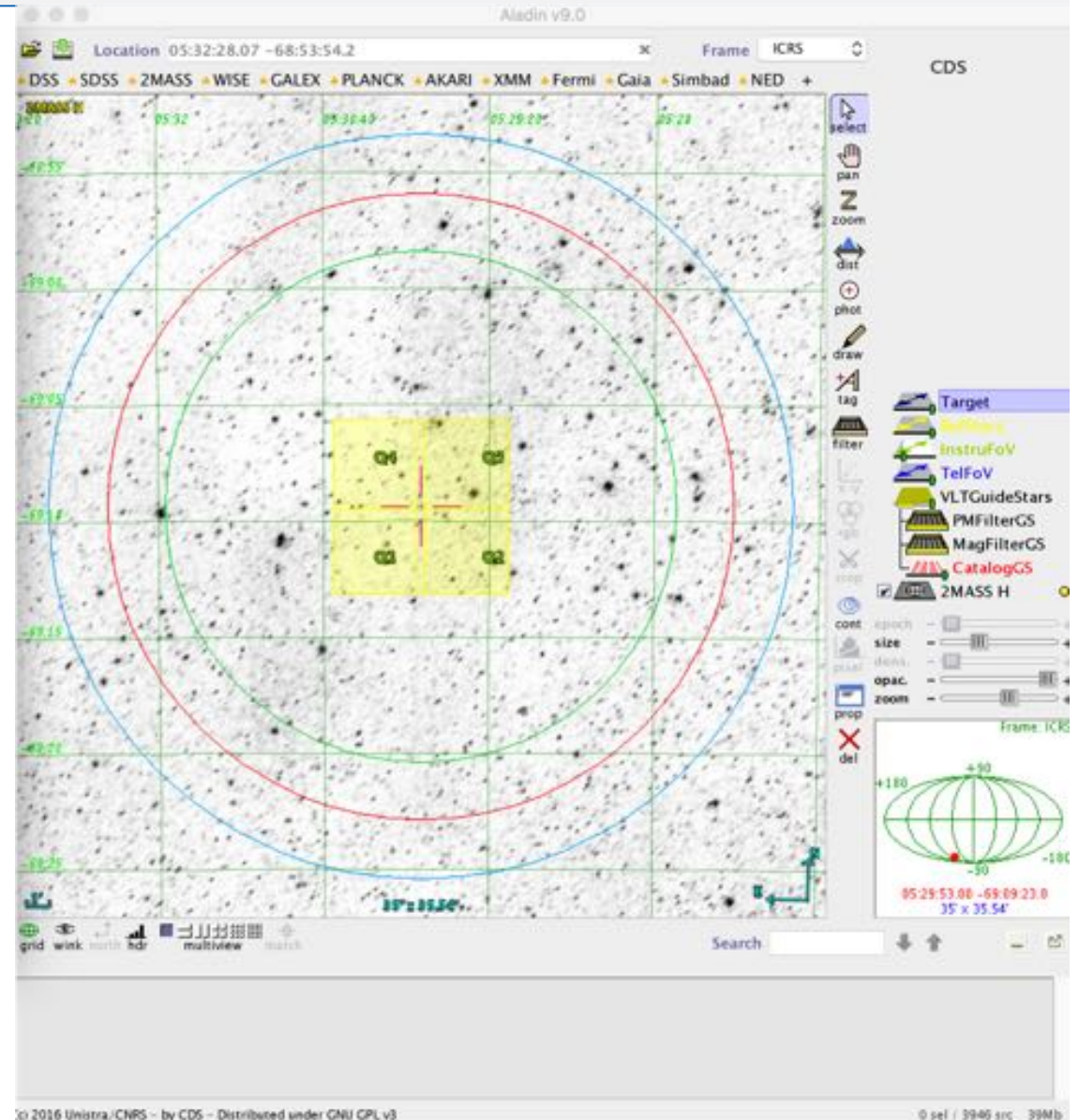
# Phase 2: Observation Preparation Software

- KARMA for KMOS
- IFU positioner



# Phase 2: Observation Preparation Software

- GuideCamTool for MUSE, VISIR and HAWK-I





# Phase 2: Observation Preparation Software

The screenshot shows a web browser displaying the ESO website. The page title is "ESO Mac & Linux software repositories". The header features the ESO logo and the tagline "ESO — Reaching New Heights in Astronomy" with a row of international flags. The navigation menu includes "Public", "Science", "User Portal", "Contact", and "Site Map". A search bar is present on the right. The main content area is titled "ESO Mac & Linux software repositories" and contains the following text:

For several years ESO has been providing pipelines and esorex via **MacPorts**, **Fedora 20-25 RPM** and **Scientific Linux 7 RPM** repositories. We are now in the process of extending this service, on a trial basis, to include other ESO software components, beginning with some phase 2 tools, in particular the GuideCamTool, FIMS and FPOSS, which are now **all** supported both for **Mac and Linux**.

In addition we are providing access to an **EXPERIMENTAL Ubuntu** repository (providing Phase 2 tools only, no pipelines (yet)) and it is also possible to use the Scientific Linux 7 repository on **CentOS-7** and **RedHat Enterprise Linux 7** systems. See instructions for accessing these repositories below.

In case your OS/distribution is not one of the above, the phase 2 tools are still available for installation via the "traditional" tarball + install script methods. But please feel free to contact [usd-help@eso.org](mailto:usd-help@eso.org) to let us know which OS/distribution you would like supported. Obviously we cannot promise to support every single OS/distribution, but this information will help guide us in deciding where any resources that might be available in the future would be best focussed.

Currently only 64bit systems are being supported. Please contact [usd-help@eso.org](mailto:usd-help@eso.org) if you need 32bit support.

To make use of these repositories to install the available tools you will need superuser/admin user (i.e. the ability to run sudo) privilege, or else to ask you system administrator, to first install the repositories and then the tool(s).

Please follow the instructions below, as appropriate for your operating system/distribution.

Choose your platform:

On the right side of the page, there is an "Instrument selector" section with a dropdown menu showing "FLAMES" and an "OK" button. Below it, a message states: "This page does not contain any FL specific information".





# Phase 2: Observation Preparation

- Delegation
- Phase 2 Observation Preparation Software
  - Required for several instruments (FORS, FLAMES, KMOS, MUSE, VISIR, HAWK-I)
  - Available from the ESO software repositories
    - Mac OS 10.9 – 10.12 (soon 10.13) via MacPorts
    - Fedora 20 – 25 (soon 26 & 27) via RPM
    - Scientific Linux 7 (→ RHEL 7 & CentOS 7)
    - Experimental support for Ubuntu (LTS plus latest two releases)
    - Installation from tarball
- Getting *your* data



# Phase 2: Getting your data

The screenshot shows the ESO User Portal Services page. The header includes the ESO logo and the tagline 'ESO — Reaching New Heights in Astronomy'. The main content area is titled 'ESO User Portal Services' and contains several service tiles:

- Phase 1:** Download the proposal form, Submit an observing proposal, Check the time allocation information.
- Phase 2:** Prepare observing materials, Submit a target or set-up change request, Check the status of your observing runs (highlighted with a red arrow), Delegate Phase 2 tasks.
- Phase 3:** Download the Science Data Products Standard, Submit data, Check your Phase 3 submission status, Delegate Phase 3 tasks.
- Archive Services:** Query the Archive for La Silla Paranal raw data, La Silla Paranal reduced data, APEX reduced data; Check your Archive requests, Access other Archive services, Access ALMA data.
- Help:** Ask for help, Find User Portal information and FAQ, Check the data reduction FAQ.

A sidebar on the left contains navigation links for 'ESO User Portal', 'Privileged Actions', 'Request a Special Plan', 'Account Configuration', 'Home Page', 'Change Username', 'Change Password', 'Manage Profile', 'Science Users', 'Science User Information', and 'ALMA Science Portal'.



# Phase 2: Getting your data

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal

Subscribe Contact Site Map Search Go!

12 Mar 2018 John Pritchard | Logout

### Overview of ESO Observing Runs

Manage delegation for your runs — Subscribe to night reports

Observing runs currently active in the Observatory schedule are highlighted in the below table. Clickable run IDs lead to the corresponding progress pages.

Your Observing Runs (Pl. Pritchard) **Observing Runs delegated to you**

Proposal Title	Run ID	Instrument	Delegation type(s)	Observing Mode	Status / Observing Dates
<b>Pl. Becari</b>					
Deciphering ADHOC's Treasure Map: The nature of recently discovered multiple populations in the Orion Nebula Cluster	<a href="#">298-C-5091(A)</a>	FLAMES	Phase 2 Data access	Service	COMPLETED
<b>Pl. Hilker</b>					
Caught in the act: the transformation of nucleated dwarf galaxies into UCDs in the Fornax cluster	<a href="#">0100-B-0855(B)</a>	MUSE	Phase 2 Data access	Service	OPEN

20 runs per page

Page 1 of 1

Last Update: 20/03/17 © ESO

Send comments to the User Support Department | Subscribe to Newsletter | Privacy Statement

Open delegated runs on this page in a new tab





# Phase 2: Getting your data

Caught in the act: the transformation of nucleated dwarf galaxies into UCDs in the Fornax cluster

Run Code	Instrument	Mode	Allocated Time	Moon	Seeing	Run State	Progress
0100.8-0688(8)	MUSE @ UTA	Service	8.0 hours	Grey Time	0.8	OPEN	OBs 8 of 8 OBs, 100.0% 8 of 8h, 100.0%

OB Summary

Archive query for selected RAW OBs | Archive query for selected REDUCED OBs | Show all exits (1)

Retrieve OBs	Reduced	ID	Date	from	to	OB Name	Grade	Weather
<input checked="" type="checkbox"/>	Y	1821574	10/11-Nov-2017	06:14:22	07:13:02	WFM_UCD_pointing1_1	A	☁
<input type="checkbox"/>	Y	1821578	10/11-Nov-2017	07:13:11	08:12:30	WFM_UCD_pointing2_1	A	☁
<input checked="" type="checkbox"/>	Y	1821586	17/18-Jan-2018	01:26:40	02:29:15	WFM_UCD_pointing1_1	A	☁
<input type="checkbox"/>	Y	1821590	17/18-Jan-2018	02:33:55	03:33:22	WFM_UCD_pointing2_2	B	☁
<input type="checkbox"/>	Y	1821592	20/21-Jan-2018	02:09:16	03:08:18	WFM_UCD_pointing2_2	A	☁
<input checked="" type="checkbox"/>	Y	1821594	10/11-Nov-2018	00:28:33	01:27:32	WFM_UCD_pointing3_2	A	☁
<input type="checkbox"/>	N	1821582	7/8-Mar-2018	00:00:27	01:48:11	WFM_UCD_pointing3_1	B	☁
<input type="checkbox"/>	N	1821587	7/8-Mar-2018	13:19:51	13:19:54	WFM_UCD_pointing3_1	-	☁
<input type="checkbox"/>	N	1821582	7/8-Mar-2018	00:30:00	01:00:17	WFM_UCD_pointing3_1	C	☁
<input type="checkbox"/>	N	1821590	8/9-Mar-2018	00:00:21	01:00:00	WFM_UCD_pointing3_2	B	☁
<input type="checkbox"/>	N	1821582	11/12-Mar-2018	00:15:33	01:15:33	WFM_UCD_pointing3_1	B	☁

OB Details

OB 1821574 (Raw) + (Reduced) | 06:14:22 - 07:13:02 | 00:58:40 | SERVICE Mode | Q = 0 ✓

Instrument: MUSE  
Name: WFM\_UCD\_pointing1\_1  
Target: UCD\_Y4289\_Pointing1





# Phase 3: Returning results to ESO

The screenshot shows the ESO User Portal Services page. At the top, there is a navigation bar with the ESO logo and the text "John Pritchard | Logout". Below this is the main heading "ESO User Portal Services". The page is divided into three columns, each representing a phase of service:

- Phase 1:** Includes the proposal form, observing proposal, time allocation, and other related services.
- Phase 2:** Includes preparing observing materials, submitting target or set-up change requests, checking the status of observing runs, and delegating Phase 2 tasks.
- Phase 3:** Includes downloading Science Data Products Standard, submitting data, checking Phase 3 submission status, and delegating Phase 3 tasks.



# But how to get from Phase 2 to 3?

- Science Archive Facility [SAF] Data Products
- ESO pipelines



# SAF Data Products, made by ESO...

- Data-streams, i.e. continuously produced...
- Not all instruments
  - HARPS, FEROS, UVES, GIRAFFE, XSHOOTER, MUSE & MUSE-DEEP, HAWKI, PIONIER
- Produced on a monthly batch basis
- In general NOT optimised for any particular scientific purpose



# Phase 2: Getting your data

Caught in the act: the transformation of nucleated dwarf galaxies into UCDs in the Fornax cluster

Run Code	Instrument	Mode	Allocated Time	Moon	Seeing	Run State	Progress
0100.8-0688(8)	MUSE @ UTA	Service	8.0 hours	Grey Time	0.8	OPEN	OBs 8 of 8 OBs, 100.0% 8 of 8h, 100.0%

OB Summary

Archive query for selected RAW OBs | Archive query for selected REDUCED OBs | Show all exits (1)

Retrieve OBs	Reduced	ID	Date	from	to	OB Name	Grade	Weather
<input checked="" type="checkbox"/>	Y	1821574	10/11-Nov-2017	06:14:22	07:13:02	WFM_UCD_pointing1_1	A	☁
<input type="checkbox"/>	Y	1821578	10/11-Nov-2017	07:13:11	08:12:30	WFM_UCD_pointing2_1	A	☁
<input checked="" type="checkbox"/>	Y	1821586	17/18-Jan-2018	01:26:40	02:29:15	WFM_UCD_pointing1_1	A	☁
<input type="checkbox"/>	Y	1821590	17/18-Jan-2018	02:33:55	03:33:22	WFM_UCD_pointing2_2	B	☁
<input type="checkbox"/>	Y	1821592	20/21-Jan-2018	02:09:16	03:08:18	WFM_UCD_pointing2_2	A	☁
<input checked="" type="checkbox"/>	Y	1821594	10/11-Nov-2018	00:28:33	01:27:32	WFM_UCD_pointing3_2	A	☁
<input type="checkbox"/>	N	1821582	7/8-Mar-2018	00:00:27	01:48:11	WFM_UCD_pointing3_1	B	☁
<input type="checkbox"/>	N	1821587	7/8-Mar-2018	13:19:51	13:19:54	WFM_UCD_pointing3_1	-	☁
<input type="checkbox"/>	N	1821582	7/8-Mar-2018	00:30:00	01:00:17	WFM_UCD_pointing3_1	C	☁
<input type="checkbox"/>	N	1821590	8/9-Mar-2018	00:00:21	01:00:00	WFM_UCD_pointing3_2	B	☁
<input type="checkbox"/>	N	1821582	11/12-Mar-2018	00:15:33	01:15:33	WFM_UCD_pointing3_1	B	☁

OB Details

OB 1821574 (Raw) + (Reduced) | 06:14:22 - 07:13:02 | 00:58:40 | SERVICE Mode | Q = 0 ✓

Instrument: MUSE  
Name: WFM\_UCD\_pointing1\_1  
Target: UCD\_Y4289\_Pointing1

# ESO Pipelines + Reflex

- Available for all instruments, though not necessarily all modes.
- Some are more robust than others.
- Some produce “Science ready”, others not necessarily, depends on your scientific needs.
- Available from the ESO software repositories
  - Mac OS 10.9 – 10.12 (soon 10.13) via MacPorts
  - Fedora 20 – 25 (soon 26 & 27) via RPM
  - Scientific Linux 7 (→ RHEL 7 & CentOS 7)
  - Currently no Ubuntu support from ESO
  - Install script



# The Archive

The screenshot shows a web browser window with the URL 'eso.org'. The main content area is a grid of blue panels. The top row contains three panels: the first for submitting proposals and checking time allocation; the second for submitting target or set-up change requests and checking observing run status; the third for products standard, submitting data, and checking Phase 3 submission status. The bottom row contains two larger panels: 'Archive Services' with a database icon and links to query data (La Silla Paranal raw/reduced, APEX reduced, Phase 3 Catalogs) and manage access rights; and 'Help' with a lifebuoy icon and links to ask for help, find user portal information, and check data reduction FAQ. The footer includes the ESO logo and links for comments, newsletter, and privacy statement.



# Going to Chile

The screenshot shows the ESO website interface. At the top, there is a navigation bar with 'Public', 'Science', and 'User Portal' tabs. A search bar is located on the right. Below the navigation bar, a 'Science Users Information' menu is open, listing various categories such as 'Observing Facilities', 'Future Facilities and Development', and 'Observing with ESO Telescopes'. A red arrow points to the 'Observing with ESO Telescopes' menu item, which has a sub-menu containing 'Policies and Procedures', 'Telescope Time Allocation', 'Phase 1 Proposals', 'Phase 2 Preparation', 'Phase 3', 'Public Surveys', 'Observing Tools and Services', and 'Visiting Astronomers'. Another red arrow points to the 'Visiting Astronomers' sub-item. The main content area features a 'Call for Proposals for Period 102' announcement, published on 01 Mar 2018, with a 'Go to Announcement' link. Below this is another announcement titled 'Large Programmes Offered Once per Year from P104', published on 28 Feb 2018. On the right side, there is a 'The Messenger' section with a list of highlights including 'Watson & Couch: Astronomy in Australia', 'GRAVITY Collaboration & Merand et al.: First light & Science Verification for the GRAVITY instrument', and others.





# Going to Chile

European Southern Observatory

ESO — Reaching New Heights in Astronomy

Public Science User Portal Contact Site Map Search Go!

Science Users Information > Observing with ESO Telescopes > Visiting Astronomers 12 Mar 2018

### Visiting Astronomers

All users who are allocated observing time in Visitor Mode at the La Silla Paranal Observatory are urged to read carefully the [Instructions for Visiting Astronomers](#), which specify the policies and procedures that currently apply to Visiting Astronomers travelling to Chile to conduct observations with ESO telescopes and describe the practical steps to be taken for the logistic preparation of observing missions. Further, site-specific information, in particular about the actual preparation of the observations, is given separately for [Paranal](#) and for [La Silla](#). Upon completion of their observing run, Visiting Astronomers must complete an end-of-run report using the [Paranal end-of-run report form](#) or the [La Silla end-of-run report form](#).

Prior to their observing run, all observers should also become aware of the procedure of approval of [backup targets and/or additional targets](#), and familiarise themselves with the [Phase II preparation process](#).

Any questions related to telescope time allocation and observing run scheduling should be addressed to the [Observing Programmes Office \(OPO\)](#). Queries about organisation and reservation of travel to the Observatory site should be directed to [WAtravel](#). For questions related to the preparation of the observations, contact the appropriate Science Operation Department: [VLTI](#) or [NTT 3.6m, 2.2m](#).

- Science Users Information
  - Observing Facilities
  - Future Facilities and Development
  - Observing with ESO Telescopes
    - Policies and Procedures
    - Telescope Time Allocation
    - Phase 1 Proposals
    - Phase 2 Preparation
    - Phase 3
    - Public Surveys
    - Observing Tools and Services
    - Visiting Astronomers
      - General Instructions
      - Guidelines Paranal
      - Guidelines La Silla
      - Travel Form
      - End-of-Run Report Paranal
      - End-of-Run Report La Silla
  - Science Software
  - Data Handling and Products
  - Science Archive Facility
  - Science Activities
  - Science Publications
  - Science and Technical Meetings







# Release the SuperUser inside you

- So basically, know the User Portal, and a few other things beside, and you are well on your way to becoming an LPO superuser



# Release the SuperUser inside you

- So basically, know the User Portal, and a few other things beside, and you are well on your way to becoming an LPO superuser
- And always remember... if you think the website is difficult to navigate, just be glad you don't have to navigate around the ESO HQ building everyday...