

SCIENTIFIC-TECHNICAL-ARTISTIC TEAM

Direction

- Teresa Cruz Sánchez. Directora General. Fundación Descubre.
- Javier Armentia Fructuoso. Astrofísico y divulgador científico.
- Carlos Gustavo Ochoa Lezaun. Matemático. Profesor e investigador UPNA.

Scientific team – science communicator

- Álvaro Martínez Sevilla. Matemático. Investigador y divulgador. Fundación Kripties.
- Carmen Guerra Retamosa. Química. Profesora y divulgadora científica.
- Laura González Urbiola. Bióloga. Museo de Ciencias Univ. de Navarra.
- Ane Ochoa Echeverría. Bioquímica. Investigadora y divulgadora. Centro Nacional de Biotecnología-CSIC.
- José Manuel Vilchez Medina. Investigador. Instituto de Astrofísica de Andalucía-CSIC.
- Miguel Ángel Ferrer González. Profesor de Historia. Divulgador.
- Sergio Alonso Burgos. Profesor e investigador. ETSII Universidad de Granada.
- Joaquín Sevilla Moróder. Catedrático de Tecnología Electrónica. Universidad Pública de Navarra. Divulgador científico.
- Juan Cruz Larrasoña Gorosquieta. Investigador y Divulgador. Instituto Geológico Minero de España IGME-CSIC.
- Ángel Sánchez Gorricho. Historiador local de Lerín.
- José Luis Etxezarreta Garín. Coordinador de Lemniskata Zientzia Goierri.
- Aitor Osés Borja. Licenciado en Veterinaria. Profesor de Biología y Geología.
- Isabel Vega López. Directora de Quixote Innovation.
- Joaquín González del Pino. Consultor en innovación. Presidente de Quixote Innovation.
- Jon Ander Crespo Ferrer. Consultor. Asociación de la Industria Navarra.
- Mikel Irujo Amezcaga. Consejero de Industria y de Transición Ecológica y Digital Empresarial. Gobierno de Navarra.
- María Luisa Elguea Fernández. Gerente de LASEME. Asociación de Empresas de la Merindad de Estella.
- Iñaki Ugarte Urrea. Físico solar. Naval Research Laboratory, Washington D.C.
- Humberto Bustince. Catedrático de Ciencia de la Computación e inteligencia artificial de la Universidad Pública de Navarra.
- Leyre Vallés Arbeloa. Licenciada en Geografía y Ordenación del Territorio. Ecodes.
- Lemniskata Zientzia Goierri. Equipo de divulgación matemática.
- Red Astronavarra Sarea. Asociación Navarra de Astronomía y Divulgación Científica: Gabriel Catalán. Miguel Ángel Pascual. Fermín Catalán. Roberto Balenzategui. María Luisa Segura.

Artistic team

- Banda Municipal de Lerín. Dirección: Iñaki Sádaba Ruiz.
- Asociación de Campaneros de Navarra. Patrimonio sonoro y toque manual de campanas.
- Iluna Producciones. Producción artística y teatralización.
- Edurne Aizpún. Música.
- Ekhi Ocaña. Música.
- Consuelo Ochoa Resano. Artes Plásticas.
- Carmen Larraz. Danza.
- DJ Budin: Martin Armendariz Resano. DJ.
- DJ Roger: Roger Abaigar Martínez. DJ.
- Carla Fernández. Cantante.



AYUNTAMIENTO
DE LERÍN



Eclipse



Cofinanciado por la Unión Europea
Europar Batasunak Kofinantatuta

Gobierno de Navarra
Nafarroako Gobernua



LEADER
Desarrollo liderado por las comunidades locales

Teder

Reyno de
Navarra

Nafarroako
Erresuma

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upna
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UNED
PAMPLONA

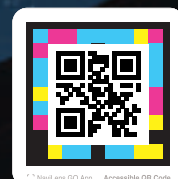
Museo de Ciencias
Universidad de Navarra



LEMNISKATA



INFO:



© 2021 Lerín 100 App. Accesible QR Code

<https://www.lerin.es/eclipse-12-08-2026/>

THE 10th ANNUAL
CONFERENCE
IN LERÍN
**LERÍN TIERRA
ESTRELLA**
FROM AUGUST 8 TO 12

AUGUST 12 | LERÍN
AN ECLIPSE FOR YOU

- | Un eclipse para ti | Eklipse bat zuretzat |
- | An eclipse for you | Une éclipse pour vous |
- | للرجأ نم فوسك | Затмение для тебя |
- | 为你而来的日食 | Eklipso tuke |
- | तुम्हारे लिए एक ग्रहण | তোমার জন্য একটি গ্রহণ |
- | Um eclipse para você | اے لے اک پآ ندرگ کی |
- | Sebuah gerhana untukmu |
- | Eine Finsternis für dich | ひとつの食をあなたに |
- | Senin için bir tutulma | 당신을 위한 일식 |
- | Một nhật thực dành cho bạn |
- | O eclipsă pentru tine | Un'eclissi per te |
- | Έκλειψη για σένα | Jedno pomračenje za tebe |
- | Zaćmienie dla ciebie | Isang eclipse para sa iyo |
- | Kupatwa kwa ajili yako |
- | Pim dab noj hnub rau koj | สริญปรากฏาสำหรับคุณ |
- | Tutulak kanggo sampeyan |



AYUNTAMIENTO
DE LERÍN

Saturday 8th August

23:00 | Concert under the stars with Lerin's music band.

- Lerin's Music Band, directed by Iñaki Sádaba.
- 📍 At the historical building Fuerte Cazorla.

Sunday 9th August

22:00 | Drama production: Bienvenido, Mr Eclipse. (Welcome, Mr Eclipse)

- Produced by ILUNA producciones.
- 📍 At Plaza de la Constitución Square.

Monday 10th August

09:30-11:45 | Children's workshop: CACHICOS DE ESTRELLA (Little pieces of stars).

- Activities for children
- Led by Aitor Osés Borja
- 📍 At the Placeta del frontón square

09:30-11:45 | CHILDREN'S ACTIVITIES: YOUNG SKY INNOVATORS.

- Activities for children
- Led by Isabel Vega López and Joaquín González del Pino, from Quixote Innovation
- 📍 At the Placeta del frontón square

09:30-11:45 | VISUAL ACTIVITIES FOR CHILDREN: THE SECRET COLOURS OF PLANTS. A SCIENTIFIC JOURNEY BETWEEN LIGHT, PIGMENTS AND HIDDEN UNIVERSES

- Activities for children under 9 years old
- Led by Laura González Urbiola
- 📍 At the Espacio Sociocultural Pilar Ureta building

12:00-13:00 | OPEN CEREMONY OF THE CONFERENCE PROGRAMME.

- Conference: The Universe. Are we able to understand it? Delivered by Gustavo Ochoa
- 📍 At the Frontón court wall

13:00 | LERÍN GASTROESTRELLA- Gastronomic tasting experience.

- Science- themed local produce tasting
- Science at the Square is hosted by the scientific cultural group Asociación Lemniskata
- 📍 At Calle Mayor street and P. de la Constitución square

18:00-19:30 | CHILDREN'S WORKSHOP: SCIENCE AT THE SWIMMING POOL: UNDER-PRESSURE.

- Activities for children between 5-12 y. old
- Led by Carmen Guerra y M. Ángel Ferrer
- 📍 At the municipal swimming pool

20:00 | SCIENTIFIC PROGRAMME PRESENTATION.

- Presented by Teresa Cruz, Javier Armentia y Gustavo Ochoa.
- 📍 At the Frontón court wall

20:15 | A CONVERSATION AT THE FRONTON: ARTEMIS ON THE MOON AND NAVARRA IN SPACE.

- Speakers: Jon Ander Crespo Ferrer, Mikel Irujo, María Luisa Elguea
- Moderator: Teresa Cruz.
- 📍 At the Frontón court wall

22:00 | CONCERT: MISSED CONNECTIONS AND REUNIONS OF MR SUN AND MS MOON.

- Performed by the group Harmonices Mundi: The group is formed by two musicians, two scientists and the starry universe (Edume Aizpún, Ekhi Ocaña, Joaquín Sevilla y Javier Armentia)
- 📍 At the historical building, F. Cazorla

22:30 | ASTRONOMICAL OBSERVATION .

- Led by Sociedad Astronómica Granadina
- Suitable for all ages
- 📍 At the historical building Fuerte Cazorla.

Tuesday 11th August

9:00-10:30 | A GEOLOGICAL WALK.

- Suitable for all ages
- Delivered by Astronavarra.
- 📍 At Calle Mirador del Ega (La Peña) street
- 📍 Start point at the Town Hall Square

11:00 | WORKSHOP: HOW TO USE SOLAR ECLIPSE GLASSES TO ENJOY A SAFE OBSERVATION OF THE ECLIPSE.

- Suitable for all ages
- Delivered by Astronavarra
- 📍 At the Placeta del frontón square.

11:00 | CHILDREN'S ACTIVITIES: YOUNG SKY INNOVATORS.

- Activities for children
- Led by Isabel Vega López and Joaquín González del Pino, from Quixote Innovation
- 📍 At the Espacio Sociocultural Pilar Ureta building

11:00 | WORKSHOP: HOW TO TAKE PHOTOS SAFELY DURING THE ECLIPSE! PRACTICAL ADVICE, RECOMMENDED EQUIPMENT AND USEFUL HACKS

- For anyone aged 16 and over
- Delivered by Sergio Alonso.
- At Calle Mirador del Ega.(La Peña)

12:00 | WORKSHOP: THE SUN WITHOUT THE MOON. HOW TO USE SOLAR TELESCOPES WITH A FILTER AND ENJOY THE ECLIPSE SAFELY

- Suitable for all ages
- Delivered by Astronavarra.
- 📍 At Calle Mirador del Ega (La Peña) street

18:00-19:30 | SCIENCE AT THE SWIMMING POOL: PINHOLE PROJECTION. THE SAFEST AND CHEAPEST WAY TO OBSERVE THE ECLIPSE.

- Activity for children
- Led by Sergio Alonso
- 📍 At the municipal swimming pool

20:00 | ROUNDTABLE DISCUSSION: A TOTAL ECLIPSE OF THE SUN

- Presenter: Álvaro Martínez (Eclipses through the History of Art)
- Presenter: Teresa Cruz (The eclipse economy)
- Presenter: Iñaki Ugarte (Exp. and research)
- Moderator: Joaquín Sevilla (UPNA Univ.)
- | PROJECTION OF INMENSIDAD" .**
- Led by Consuelo Ochoa
- suitable for all ages
- 📍 At the Frontón court wall

22:30 | THE NIGHT BEFORE THE ECLIPSE. AN ASTRONOMIC OBERVATION WITH A PERSEID METEOR SHOWER

- Suitable for all ages
- Led by Sociedad Astronómica Granadina
- 📍 At the old football field, Campo del Eclipse (Campo de fútbol viejo)

Wednesday 12th August

9:00-13:00 | INFORMATION POINT OPENS.

- 📍 At the Town Hall Square (under the arches)

10:30 | A GUIDED HISTORICAL TOUR OF LERIN

- All welcome
- Delivered by Ángel Sánchez
- 📍 Meeting point: P. del Ayuntamiento. square

11:00 | CHILDREN'S WORKSHOPS: SECRET MESSAGES

- Children aged 8- 12 years old
- Led by Carmen Guerra y M. Ángel Ferrer
- 📍 At the Placeta del frontón square

11:00 | WORKSHOP: HOW TO TAKE PHOTOS SAFELY DURING THE ECLIPSE! PRACTICAL ADVICE, RECOMMENDED EQUIPMENT AND USEFUL HACKS

- For anyone aged 16 and over
- Delivered by Sergio Alonso
- 📍 At Calle Mirador del Ega (La Peña) street

11:00 | WORKSHOP: SPACE ENTREPRENEURSHIP FROM 10€.

- Led by Joaquín González del Pino and Isabel from Quixote Innovation
- Adult participants only
- 📍 At the Espacio sociocultural Pilar Ureta.

All events scheduled from 4:00 p.m. onwards will take place at the former La Valdechate football field.

Admission is required and tickets can be purchased at Baluarte and La Morea (€5), or online (€6.10): <https://eklipsenavarra.com/es/puntos-de-observación/lerin>

16:00 | ECLIPSE OBSERVATORY FIELD OPENS.

- Observation field opening to the general public in Lerin .

16:30 | WELCOME.

- Eclipse services open: Information table, eclipse glasses, . . .
- Music by local DJs : DJ Roger, DJ Budin

17:00 | Last- minute information talks and workshops.

- Information point and activities for late arrivals and those who may still want to do more activities
- Tables with activities for children

17:00 | Brief- talks delivered by Astronavarra.

- *How was the distance from the Earth to the Sun calculated?* (M.Luisa Segura)
- *Mirror- signal- manoeuvre* (G. Catalán)
- *The colours of the stars* (M. Á. Pascual)
- *The sun, our star* (Fermín Catalán)
- *What will we learn when the sun disappears during the eclipse?* Roberto Balenzategui
- *The sun and the constellation of the zodiac* (María Luisa Segura)

17:30 | ECLIPSE ART (ECLIPSA RTE): Art in history, music and voice in preparation for the eclipse.

- Speakers: Álvaro Martínez Sevilla y José Vilchez.
- Moderator: Teresa Cruz
- Music by DJ Roger

18:30 | DJ Budin and Ane Ochoa Echeverría. Musical Science & Fotciencia.

19:10 | ECLIPSE'S BELL STROKES.

The Association of Bell Ringers of Navarra, La Asociación de Campaneros de Navarra, has created a series of bell chimes to guide you through the various stages of the eclipse: the start of partial eclipse, the start of totality and maximum eclipse, and the end of total eclipse. During this session, the

Association of Bell Ringers will explain how the sequence of bell chimes will indicate each phase of the eclipse, ensuring that everyone can fully enjoy the spectacle.

19:33:06 | THE START OF PARTIAL ECLIPSE (275° 17,1°) BELL CHIMES.

20:28:03 | START OF THE TOTAL ECLIPSE (284° 7,2°).

BELL CHIMES
PUBLIC ADDRESS ANNOUNCEMENT: It is safe to observe the eclipse without solar eclipse glasses
Total silence.

20:28:34 | TOTALITY AND MAXIMUM ECLIPSE.

The moon has covered more than half of the Sun's surface!
20:29:06 | THE END OF TOTAL ECLIPSE (284° 7.0°) BELL CHIMES.
PUBLIC ADDRESS ANNOUNCEMENT: Solar eclipse glasses need to be used again.

21:14 | SUNSET (291°)

It will be a bit earlier due to horizon settings.

21:15 | Dance and Science show: ATARDECER 5778K.

- Delivered by Dínamo Danza group: Joaquín Sevilla and Carmen Larraz

22:00 | Concert by Carla Fernández.

23:00 | Perseid meteo shower observation.

- Astronavarra.

00:00 | A night under the Perseid meteo shower.

This is the end of the scheduled activities, but there is still time to lay down and enjoy the Perseid meteo showers, one of the most brilliant and reliable annual meteor showers, which should be visible under the clear skies of Lerin.