



Project acronym: **VOLCANOES NIGHT III**

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Introduction

The principal objective of the Night was to enhance the public recognition of geoscientists and to improve the understanding of the impact of their work on citizen's daily life. All this was to be achieved by offering the public a set of edutainment activities.

During the exact definition of the different programme elements, the following specific objectives were also taken into account:

- Tackling the existing stereotypes about researchers by involving the audience in discussions concerning their work and aspects of their everyday life (including their struggles and problems etc.);
- Raising public awareness towards geology related science, the role of volcanoes in the life of the Canary Islands, as well as drawing attention to the risks deriving from living in an active volcanic area;
- Demonstrating the use of geology in citizens' daily life by highlighting connection between science and innovation;
- Pointing out European cooperation and support in favour of research, and thus stimulating young people to embark on scientific careers.

The project created a new, truly alternative programme for "a Friday night out" (compared to typical local events and fiestas), where everyone could find something interesting for themselves from families with kids, through "knowledge-seekers" to the older generation.

Under Volcanoes' Night III., for the very first time on the Canary Islands, celebration of Researchers' Night took place on all the seven islands, namely in the following locations:

Fuencaliente, La Palma: San Antonio Volcano Centre, Town Cultural Centre, Bodegas Teneguía (side event), Hotel Teneguía Princess (extra side activity);

Puerto de La Cruz, Tenerife: Plaza de Europa, Sala Timanfaya, Ébano Café, Casa de la Real Aduana, Hotel Restaurante Maga;

La Frontera, El Hierro: Plaza de Tigaday & Calle Tigaday; CEIP Tigaday (primary school), IES Roques del Salmor (secondary school);

Yaiza, Lanzarote: Town Cultural Centre Benito Perez Armas (Sala I-II., patio & exteriors), Instituto de Educación Secundaria (secondary school) "Yaiza", Bodega El Grifo (side event);

Hermigua, La Gomera: Plaza de la Encarnación (main tent) and Town Cultural Centre;

Ingenio, Gran Canaria: Salón de Actividades del Centro Cívico el Burrero (+ Sala social and exteriors);

Pájara, Fuerteventura: Plaza de los Pescadores Morro Jable, Playa de Morro Jable, Campo de Fútbol Morro Jable (football pitch);

Moreover, in one additional venue in mainland Spain: **Almagro, Calatrava (Ciudad Real province):** Visitor's Centre.

The detailed description of the different activities and the approximate number of visitors they attracted (by venues, when it was possible making a distinction) are listed below (in chronological order starting from preliminary actions through main programme elements to extra, parallel side events , always indicating location/s where necessary).

Preparatory activities

Drawing & Writing Competitions

The relatively late start of the project slightly affected the timing of the competitions organised for primary and secondary schools, as it was in contrast with the normal schedule of local school semesters (local schools close down for summer in mid June, and only re-open in mid-September). Thus, all pre-event competitions took place in the last two weeks of September, just before the event.

The main theme of the Drawing Competition was "*The role that scientists play through their job in enhanced available knowledge about volcanoes*". This Call addressed primary school students of the venue municipalities so as well all secondary and high school (bachillerato) students of the venue islands. The Jury was composed of geoscientists and artists participating in the activities of the night. All entries were exhibited, and winners (the first three) of each category were awarded (received a 'diploma') during the celebration of the night¹. In total, 19 schools participated in this pre-activity and 891 drawings were collected.

The main topic of the Writing Competition was "*My work as a volcanologist*". It addressed primary, secondary and high (bachillerato) school students of the venue municipalities as well as the students of Los Realejos and La Orotava (Casa Azul and Salesianos) in Tenerife. Jury was formed of scientists and Spanish language teachers, the winners of each category were awarded during the night. Altogether, seven schools participated in this activity and 98 entries were collected.

In the Annex of D2 you may find the announcement calls detailing the rules for both competitions (in Spanish); awarded entries can be seen/read on the project website under Competitions (*Concursos*) menu.

¹ Prizes included: Volcano Calendars of INVOCAN 2014 and 2015, Documentary DVDs etc.



Group of local school students in front of the exhibited drawings in La Palma.

Volcano Excursions – fun-learning field activities for all

Volcanoes are not assessed in large, high-tech research facilities (such as nuclear research, robotics, nanotechnology or biotechnology, etc.) where a simple access to specific installations would guarantee public interest and a large number of visitors. When it comes to volcanology and geology, experts, instruments and people should go to the field and do most of their research on the spot. Therefore, as part of the preparatory activities, a series of warming-up volcano excursions were organised in all venue locations. These scientist-lead excursions were all proposed on the project website in advance of the event as well as were listed in the specific agendas. In order to maximise attendance (e.g. attract non-natives residents as well as tourists), at times, selected excursions were facilitated by translators (into German and English). In total, the following 12 (+3) routes were held:

1. "From the Village to the coast"

Venue: Fuencaliente, La Palma

Guide: Julia Seisdedos (last minute change, due to sickness)

Timetable: 9:30 – 13:00

Meeting point: Tourist Office, Los Canarios, Fuencaliente.

Language: Spanish

Itinerary: Oficina de Información Turística de Fuencaliente – Volcán San Antonio – Volcán Teneguía – Litoral de Fuencaliente.

2. "Walking Along the Edge of a Volcano Crater"

Venue: Fuencaliente , La Palma

Guide: Gabriel López

Timetable: 13:15 (with English translation), 14:00, 14:45 (with German translation);

Meeting point: San Antonio Volcano Visitor Center

Languages: Spanish, English and German

Itinerary: Centro de Visitantes del Volcán San Antonio – Borde de Cráter del Volcán Teneguía - Centro de Visitantes del Volcán San Antonio.

3. Scars from large Volcanic Landslides

Venue: Puerto de la Cruz, Tenerife

Guide: Juan Jesús Coello Bravo

Timetable: 15:15 (2,25 hours)

Meeting point: Mirador de San Pedro (Rambla de Castro).

Language: Spanish, English, German

Itinerary: Mirador de San Pedro - Nacientes de la Rambla de Castro - Jardines de la Rambla de Castro - Playa de la Fajana - Regreso al Mirador de San Pedro.

4. Puerto de la Cruz Geotourism – Urban Itinerary for the inner part of Puerto de la Cruz

Venue: Puerto de la Cruz, Tenerife

Guide: Rafael Becerra

Timetable: 15:15 (2 hours)

Meeting point: Hospital Bellevule

Language: Spanish, English and German

5. "Building with Volcanoes"

Venue: Puerto de la Cruz, Tenerife

Guide: Luis Hernandez

Timetable: 09:00 – 14:30

Meeting point: at the laboratory

Language: Spanish, English

Itinerary: Visiting the Public Work and Construction Laboratory

+ a "post-event" tour: "Volcanoes and Stars"

Venue: Puerto de la Cruz, Tenerife

Guide: Juan Vicente Ledesma Taoro

Timetable: Sunday, 00:00 (2 hours)

Meeting point: Restaurant La Bambi

Language: Spanish, English

6. Hoya de Verodal Geotourism

Venue: El Hierro

Guide: Javier Dóniz

Timetable: 14:30 (2 hours)

Meeting point: Playa de Arenas Blancas

Language: Spanish

Itinerary: from the beach "Arenas Blancas" to Hoya de Verodal

7. "Volcanoes from another perspective"

Venue: Yaiza, Lanzarote

Guide: César Rijo

Timetable: 10:00 (1,5 hours)

Meeting point: Casa de la Cultura "Benito Armas"

Language: Spanish

Itinerary: Visiting "El lomo del Cura"

8. "The magic of the Rocks"

Venue: La Gomera

Guide: Silvia Hernandez

Timetable: 09:30 (4 hours)

Meeting point: Parque del Curato

Language: Spanish

Itinerary: Visiting the rocks of Agando, Ojilla and Tajaque

+ a post-event tour "The cultural artistic heritage of Hermigua"

Venue: Hermigua

Guide: Ricardo Valeriano

Timetable: Saturday (27/09) 09:30 – 13:00

Meeting point: Park el Curato

Language: Spanish

Itinerary: a walk in Hermigua

9. "Meeting of the volcano with the wind and the sea"

Venue: Gran Canaria

Guide: Juan Ramón Jiménez López

Timetable: 09:30 (3 hours)

Meeting point: Playa del Burrero

Language: Spanish, English

Itinerary: Tour along of the coast of Ingenio (from the north to the south)

10. „Walking through a 180-million years old seabed"

Venue: Fuerteventura

Guide: Ramón Casillas Ruiz

Timetable: 10:30 (3 hours)

Meeting point: Calle Gallegada

Language: Spanish, English

Itinerary: Visiting the layers of the oceanic crust

11. Almagro Geotourism

Venue: Ciudad Real

Guide: Association for the Development of Calatrava

Timetable: 17:00 (2 hours)

Meeting point: Main square

Language: Spanish

Itinerary: urban itinerary in Almagro

12. Volcano "Cerro Gordo", geomorphologic characteristics and as an example of sustainability

Venue: Ciudad Real

Guide: GEOVOL

Timetable: 11:00 (3 hours)

Meeting point: Almagro

Language: Spanish

Itinerary: Visiting the Volcano "Cerro Gordo"

+ a post-event "Volcanoes and Stars" Yezosa Volcano

Venue: Ciudad Real

Guide: José Vicente Gómez Arroyo

Timetable: 21:00 (3 hours)

Meeting point: main square of Almagro

Language: Spanish

Itinerary: visiting the Yezosa Volcano

The excursions proved to be important and successful programme elements (despite the unfavourable weather conditions² at certain locations (e.g. El Hierro). Altogether almost 300 persons participated at these excursions; people represented all age groups and included tourists (for translated walks).



Visiting the rocks of Agando, Ojilla and Tajaque in la Gomera

Scientific experiments

In addition to excursions, similarly to last year, as part of the early-afternoon warming-up activities scientific experiments were held at three locations (in two cases, such as in El Hierro and in Lanzarote at secondary schools). During these sessions, researchers demonstrated how researchers measure the silent degassing of carbon dioxide from an active volcano. During the experiment, scientists emphasized the importance of these measurements, which serve as a perfect tool to detect early warning signals from a volcano about to erupt imminently. Researchers also allowed people to check and use the equipment

² Clouds and drizzle.

themselves; which was really appreciated by the participating persons. Try-outs took place according to the below schedule:

San Antonio Volcano Centre, Fuencaliente, La Palma: 10:00 – 13:00 lead by Gabriel López;
 IES Roques del Salmor, El Hierro 12:25 – 14:15 lead by Samara Dionis;
 IES Yaiza, Lanzarote: 10:00 – 13:00 lead by Germán Padilla;

In total, these performances attracted app. 240 people.

Main event

The core part of the programme, at each event venue, started with an official *Opening Ceremony* with the presence of town mayors and participating scientists. This was then followed by the core activities one after another in a consecutive order (only with minor discrepancy in between the locations (however, due to the different starting hour, the exact schedule of the activities were rather different this time).

In addition to the original plans laid down in the DoW, some extra, parallel side activities also took place. More information on each activity indicating the app. number of attendees (when it was possible) is listed below.

My Day presentations

La Palma: Town Cultural Centre, Assembly room, 16:15 – 17:00

Participating scientists: José Antonio Rodríguez Losada (ULL), Pedro Antonio Hernández (ITER), Julia Seisdedos (Universidad Complutense de Madrid);

Tenerife: Plaza de Europa, 18:15 – 19:00

Participating scientists: Antonio Cendrero, Jesús Martínez Frías (CSIC-UCM), Ed Thomas (University of Manchester)

El Hierro: Plaza de Tigaday, 18:45 – 19:30

Participating scientists: Samara Dionis (ITER-INVOLCAN), Javier Dóniz (ULL) and (through skype) Pablo J. González (University of Leeds, U.K.);

Lanzarote: Town Cultural Centre Benito Pérez Armas (Salón) 17:45 – 18:35

Participating scientists: Luis Somoza (IGME), Juan Carlos Santamarta (ULL) and Germán Padilla (INVOLCAN);

La Gomera: Plaza de la Encarnación, 18:45 – 19:30

Participating scientists: Antonio Eff-Darwich (ULL), Silvia Hernández (ULL), Rayco Marrero (LNEG, Portugal);

Gran Canaria: Civic Centre of Burrero, 17:45 – 18:30

Participating scientists: María Asensio (INVOLCAN), Antonio González Ramos (ULPGC), Gustavo M. Callicó, (ULPGC).

Fuerteventura: Plaza de los Pescaderos de Morro Jable, 19:30 – 20:15

Participating scientists: Gladys Melián Rodríguez (INVOLCAN), Ramón Casillas Ruíz (ULL), Ángel Rodríguez Santana (ULPGC).

These sessions followed a similar pattern at each location. As first, in order to warm up the audience, scientists introduced the different aspects of their work (from a typical 'Office' day to field missions, laboratory experiments, science communication actions etc.), also with reference to their free-time activities. Their speech, wherever possible, was accompanied by illustrating videos and photos. Participants were motivated to ask questions and "interrupt" any time; moreover, scientists also "provoked" the audience by asking their opinion on

certain topics related to their job. In total, app. 2000-2400 people listened to these “presentations”.



Mpeople listeneting to “My day “presentations” in Pájara, Plaza de los Pescaderos de Morro Jable.

Ask a geoscientist

La Palma: 17:15 -18:00, Town Cultural Centre, Assembly room

Participating scientists: Pedro Hernandez (ITER), Julia Seisdedos, Universidad Complutense de Madrid;

Tenerife: 19:15 – 19:45, Plaza de Europa

Participating scientists: Nemesio M. Pérez (INVOLCAN), Juan Jesús Coello (INVOLCAN/CIAT), Rafael Becerra (UCLM), Jesús Martínes Frías (CSIC-UCM), Luis González de Vallejo (UCM), Antonio Cendrero.

El Hierro: 19:00-19:30, Plaza de Tigaday

Participating scientists: Samara Dionis (ITER-INVOLCAN), Javier Dóniz (ULL) and (through skype) Pablo J. González (University of Leeds, U.K.), Javier Almendros (Universidad de Granada);

Lanzarote: 18:45 – 19:30, Town Cultural Centre Benito Pérez Armas (Salón)

Participating scientists: Luis Somoza (IGME), Juan Carlos Santamarta (ULL), Germán Padilla (INVOLCAN), Carmen Solana (Portsmouth University, U.K.);

La Gomera: 19:45 – 20:30, Plaza de la Encarnación

Participating scientists: Antonio Eff-Darwich (ULL), Silvia Hernández (ULL), Rayco Marrero (LNEG, Portugal) and through skype Alberto Caselli (LESVA, Argentina);

Gran Canaria: 18:45 19:30, Civic Centre of Burrero

Participating scientists: María Asensio (INVOLCAN), Antonio González Ramos (ULPGC), José Albert (INVOLCAN), Demetrio Armas (IEO), Juan Ramón Jiménez López (ULPGC), Gustavo M. Callicó, (ULPGC), Juan Manuel Afonso (ULPGC), Pedro Sosa Henríquez (ULPGC)

Fuerteventura: 20:30 – 21:00, Plaza de los Pescaderos de Morro Jable

Participating scientists: Gladys Melián Rodríguez (INVOLCAN), Ramón Casillas Ruíz (ULL), Ángel Rodríguez Santana (ULPGC), and through skype Theofilos Toulkeridis (ESPE, Ecuador).

During these interactive sessions attendees had the possibility to freely ask any questions they had in mind from the scientists present (the My-Day-speeches provided a solid base for possible questions). This activity, similarly to past years, proved to be particularly attractive in all islands; again, many questions were raised focussing on local volcanoes rather than 'general' issues, which remarks the convenience of this activity.

In total, approximately, 2000 – 2400 people were curious to participate.

Documentaries and Movie Theatre

La Palma: "*Teneguía the Friendly Volcano*": 20:30 – 21:15 (with German subtitles) and 21.15 – 22:00 (with English subtitles) Teneguia Hotel Princess;

Tenerife: "*Macaronesian Active Volcanos*" (in Spanish with English subtitles): 21:15 – 22:00, Plaza de Europa; "*Teneguía the Friendly Volcano*" (in Spanish with English subtitles): 19:15 – 20:00; "*Capelinhos, Azores – the Volcano that came from the Sea*" presented by Vítor Hugo Forjaz (OVGA, Portugal) 20:15 – 21:00; "*Pompeii: The Last Day*" (in Spanish with English subtitles): 21:45 – 23:45, all three in Sala Timanfaya;

El Hierro: "*Macaronesian Active Volcanos*" (in Spanish with English subtitles): 00:00 – 00:45, Plaza de Tigaday;

Lanzarote: "*Macaronesian Active Volcanos*" (in Spanish with English subtitles): 20:45 – 21:45, Town Cultural Centre;

La Gomera: "*Teneguía the Friendly Volcano*" (in Spanish with English subtitles): 23:15 – 00:00, Plaza de Encarnación;

Gran Canaria: "*Teneguía, the Friendly Volcano*" (in Spanish with English subtitles): 21:30 – 22:15, Exteriors of Civic Centre El Burrero;

Fuerteventura: "*Teneguía, the Friendly Volcano*" (in Spanish with English subtitles): 23:00 – 23:45, Plaza de los Pescadores de Morro Jable;

Ciudad Real: "*Teneguía, the Friendly Volcano*" (in Spanish with English subtitles): 19:00 – 19:45, "*Pompeii: The Last Day*": 20:00 – 22:00, Visitors Centre Almagro.

According to survey results, this was the most visited programme element of the night (for detailed statistics, please read D3). It is estimated that around 2500 visitors watched these documentaries in total.

Science Cafés & Volcano Clubs

As a main scientific attraction, series of talks (18 in total) were organised at each event location. These sessions were lead by famous Spanish or invited foreign geoscientists, who explained different natural phenomena and/or presented current research results, meanwhile introducing the scientific methods used to investigate them. Prior to the event, speakers had

been asked to use plain phrasings and to develop their talk in a way that includes their vision, leaving room for expressing any doubts/struggles etc. related to their work. As an asset, organisers provided a very relaxing atmosphere to these talks (wherever it was possible Science Cafés were located in bars/restaurants etc.), which also emphasised their informal nature, and thus prepared the floor for better communication with the audience. Visitors were encouraged to raise questions by the professionals themselves and by the local venue moderators as well. Presentations and/or talks were focussing on the following topics:

La Palma: Town Cultural Centre

18:00 – 18:45: "*Volcano Mauna Loa (Hawaii), the Great Colossus of the Earth*" held by José Antonio Rodríguez Losada (ULL);

19:15 – 20:00: – "*Taking the pulse of the Volcano*" held by Pedro Antonio Hernández (ITER/INVOLCAN);

Tenerife:

Hotel Restaurant Maga

21:00 – 21:45: "*Taking the pulse of the Volcano*" held by Nemesio Pérez (ITER/INVOLCAN);

22:00 – 22:45: "*When the islands collapse*" held by Juan Jesús Coello Bravo (INVOLCAN);

Ébano café:

20:00 – 20:45: – "*When the earth shakes*" held by Luis González de Vallejo (UCM);

21:15 – 22:00: – "*Active Volcanoes of the Azores*" held by Víctor Hugo Forjaz (OVGA, Portugal);

22:15 – 23:00: – "*The Heartbeat of Calatrava*" held by Rafael Becerra (UCLM);

El Hierro: Plaza de Tigaday

22:30 – 23:15: "*How much the island of El Hierro has lifted up since 2011? How can we find out the answer from 900 meters height?*" held by Pablo J. González (University of Leeds, United Kingdom);

Lanzarote: Town Cultural Centre Benito Pérez Armas (salon)

20:00 – 20:45: "*Investigating Underwater Volcanoes: from El Hierro to Antarctica*" held by Luis Somoza (IGME);

21:45 – 22:30: "*Challenges of Water Management of Volcanic Islands in the New Century*" held by Juan Carlos Santamarta (ULL);

La Gomera: Plaza de Encarnación (main tent)

20:45 – 21:30: "*Teide is a Volcano because the Earth is round*" held by Antonio Eff-Darwich (ULL);

22:00 – 22:45: "*The energy under our feet*" held by Rayco Marrero (LNEG, Portugal);

Gran Canaria: Civic Centre El Burrero (salon and exteriors)

19:30 – 20:15: "*Remote Sensing and Robotics: the new frontiers of distant research of underwater volcanic eruptions*" held by Antonio González Ramos (ULPGC);

20:45– 21:30: "*Volcanoes and geothermal energy*" held by José F. Albert (INVOLCAN);

22:15– 23:00: "*The birth of a Submarine Volcano*" held by Demetrio de Armas, IEO;

Fuerteventura: Plaza de los Pescadores de Morro Jable

21:00 – 21:45: "*Turbulence in submarine volcanic plumes*" held by Ángel Rodríguez Santana (ULPGC);

22:15 – 23:00: "*Geological evolution of Fuerteventura*" held by Ramón Casillas Ruíz (ULL);

Ciudad Real:

18:15 – 19:00: "*The work of researchers in the Volcanic Region of Calatrava*" held by Elena González Cárdenas, Rafael Ubaldo Gosálvez Rey and Estela Escobar Lahoz (GEOVOL UCLM)

These core scientific activities, in total attracted around 1500 visitors.

"Volcanologists around the World"

After the last year success of the first edition of the programme "*Volcanologists around the World*", organisers for a second time collected video messages pre-recorded by foreign geoscientists during the course of preparation. Throughout this new one-hour world tour seven scientists, from six different countries greeted the audience of Volcanoes' Night III. and introduced her/his work to the public (in English, subtitles into Spanish were made available). This footage was projected at all islands according to the below schedule:

La Palma: Town Cultural Centre

20:00 – 20:45, as a closing session of the programme, right after the Science Cafés and just before the LIVE concerts;

Tenerife: Plaza de Europa

22:30 – 23:15, as a closing session of the programme just before the LIVE concerts;

El Hierro: Plaza de Tigaday

23:15 – 00:00, right after the Science Café and just before the closing documentary;

Lanzarote: Town Cultural Centre

22:30 – 23:15, right after the Science Cafés and just before the telescopic observation;

La Gomera: Plaza de Encarnación (main tent)

00:00 – 00:45, as a closing session of the programme just before the LIVE concerts;

Gran Canaria: Civic Centre of El Burrero (exteriors)

23:00 – 23:45, as a closing session of the programme just before the LIVE concerts;

Fuerteventura: Plaza de los Pescadores de Morro Jable

23:45 – 00:30, as a closing session of the programme just before the LIVE concerts;

This very entertaining video, despite the relatively late projecting hours, were followed by approximately 2500 visitors (this included significant number of foreign residents and tourists, especially in Tenerife and Fuerteventura, thanks to the English subtitles).

Exhibition of Scientific Posters

La Palma: 10:00 – 16:00, Town Cultural Centre, Assembly room;

Tenerife: 09:00 – 22:00, Ex-convento Sto. Domingo;

El Hierro: 17:45 – 00:00, Calle Tigaday (Point A);

Lanzarote: 10:00 – 23:15, Town Cultural Centre Benito Pérez Armas (Room 2);

La Gomera: 12:00 – 00:00, Plaza de la Encarnación (exposition tent);

Gran Canaria: 17:30 – 23:00, Civic Centre El Burrero (exteriors);

Fuerteventura: 10:00 – 20:30, Plaza de los Pescadores de Morro Jable;

In total, 88 scientists contributed to the development of the posters and, depending on the location, 15 – 55 posters (A0 size) were displayed on each island. Posters were focusing on introducing the findings of (regional, national, European and international) research projects and/or recent scientific topics in an easy to understand manner. Moreover, scientists presented at each location were available for questions and further explanation, in case of interest.

By visiting these exhibitions, participants gained better knowledge on the work of geoscientists so as well on the state of the art of this discipline. Survey results show that this programme was very popular among visitors at all locations (for exact figures, please have a look at D3). It is estimated that majority of the participants had, at least a partial, look of the posters during the programme, approximately 2200 persons.



Exhibition of scientific posters and "Volcano drawings", Pájara, Plaza de los Pescaderos de Morro Jable.

EU Corner

People living on the Canary Islands, an outermost region of Europe, have relatively limited access to knowledge on the European Union. Therefore, project organisers put high emphasis on the quality and quantity of activities and material offered by the EU Corners. Altogether, two "official" EU Corners were set up, one in Gran Canaria (17:30 – 23:00, El Burrero Civic Centre inside and outside) organised by Consulta Europa (www.consulta-europa.com), and another one in Tenerife (16:00 – 23:15, Plaza de Europa) managed by Europe Direct, Las Palmas. Both corners had access to Internet and were located at a highly visible place. Besides free European publications (information booklets on education and scholarship possibilities, on mobility of researchers and research & innovation programmes), two/three persons were continuously available offering first-hand advice and link to several European websites to interested visitors in Spanish and in English/French (for foreign residents and tourists). In addition, in Gran Canaria a specific corner was set up to educate children (16:30 – 19:30) about the EU and science³. All while, adult visitors had the opportunity to take part in a quiz and were able to listen to presentations of the following three European funded projects as follows:

20:45 – 21:30: HELiCoID (www.helicoid.eu, FET-Open, FP7 project) presented by the project coordinator, Gustavo Marrero Callicó (ULPGC);
 21:30 – 22:15: AQUAEXCEL (www.aquaexcel.eu, FP7 Capacities) presented by local project partner Juan Manuel Afonso López (ULPGC);
 22:15 – 23:00: DEMIURGO project (www.banmac.ulpgc.es/proyecto-demiurgo) presented by Pedro Sosa Enríquez (ULPGC).

Additionally, the European Researchers' Night MSCA roll-up were displayed together with event poster at each venue (at the entrance, or close to stage etc.) and European publications (selected and posted by ED Las Palmas) were also made available as follows:

La Palma: 10:00 – 20:45, Town Cultural Centre, Assembly room;
El Hierro: 17:45 – 00:00, Calle Tigaday (Point A);
Lanzarote: 10:00 – 23:15, Town Cultural Centre Benito Pérez Armas (Room 2);
La Gomera: 12:00 – 00:00, Plaza de la Encarnación (exposition tent);
Fuerteventura: 10:00 – 20:30, Plaza de los Pescadores de Morro Jable;

Furthermore, in Lanzarote a short LIVE presentation titled "*Europe, its volcanoes and volcanic parks. What the European Union does?*" was held by the local chief of ED Las Palmas, Cristina Santana (19:30 – 19:45, Town Cultural Centre Benito Pérez Armas).

As a rough estimate around 1200 people visited the EU corners, many of which also exchanged ideas with the represented "European contact points".

³ Consulta Europa subcontracted this activity to a specific animator company.



European publications displayed in Pájara.



Various activities focusing on science and the EU was organised for kids as part of the EU-Corner in Gran Canaria.

Volcanoes for kids

In order to attract the younger generation and facilitate the attendance of families by providing a possibility for parents to 'freely' take part in activities they are interested in, similarly to last year, particular corners were set up offering various artistic & scientific activities for kids in all islands with the following schedule:

La Palma: 18:00 – 20:00, Town Cultural Centre, "Library";

Tenerife: 19:00 – 22:00, Plaza de Europa;

El Hierro: 20:00 – 22:00, Calle Tigaday (Point A);

Lanzarote: 16:00 – 18:00, Town Cultural Centre Benito Pérez Armas (Patio): activities for Children "*Volcanic rocks as a creative suggestion and pictorial support*";

La Gomera: 18:00 – 21:00, Plaza de la Encarnación (exposition tent);

Gran Canaria: 16:30 – 19:30, Civic Centre El Burrero (exteriors);

Fuerteventura: 17:00 – 18:30, "*Artistic creativity using volcanic mud*", 18:30 – 20:00, "*Small beach rocks painting, volcano drawings, bookmark painting, etc.*", Plaza de los Pescadores de Morro Jable.

The goal of these stands was to let children play and, at the same time, express their view about the surrounding volcanic world via creating works of artistic value (which they were allowed to take home). It is estimated that around 500 children participated these specific activities.

"Estrellas Theatre School Show" - Tenerife

19:45 – 20:30, Plaza de Europa

Theatrical performance of schoolchildren from Hermigua

21:30 – 22:00, Plaza de la Encarnación

As part of the "breaking up" activities at the main stage in Puerto de la Cruz, attendants got a special performance by the "*Estrellas Theatre School*". This school is part of the cultural initiative of the Puerto de la Cruz municipality, and similarly to last year, they prepared a very beautiful display about volcanoes, which estimated to gather around 750 people. A similar performance took place in La Gomera as well.



Kids playing with "Geo dough" in Pájara.

Specific activities

Puerto de la Cruz, Tenerife:

LIVE recording of Planeta Vivo Radio Show (number 303) by David Calvo: 16:45 – 17:45, Plaza de la Iglesia de la Pena (www.planetavivoradio.es);

"Volcanoes from the Canary islands to the Mars" talk held by Jesús Martínez Frías (IGEO, UCM - CSIC): 20:30 – 21:15, Plaza de Europa;

"Volcanoes of the Canary Islands from the Air" demonstration held by Antonio Márquez (Unidad de Helicópteros de la Guardia Civil - Zona de Canarias): 22:00 – 22:30, Plaza de Europa;

"Volcano Musical" performed by the British School of Tenerife: 18:15 – 19:00, Sala Timanfaya;

"La Guardia Civil for Science": demonstrating the public a helicopter of the Guardia Civil equipped with scientific instrumentation in service for volcano monitoring: 17:00 – 23:15, Casa de la Real Aduana.

La Frontera, El Hierro:

"What we learned from the recent volcanic reactivation of El Hierro?" Colloquium: 20:45 – 21:30, Plaza de Tigaday;

"Sculptors working with volcanic stone of the Canary Islands" by Esther Rodríguez Suárez (ULL): 11:30 – 12:30, CEIP Tigaday; 13:30 – 14:15, IES Roques de Salmor;

Fuerteventura:

"La Guardia Civil for Science": demonstrating the public a helicopter of the Guardia Civil equipped with scientific instrumentation in service for volcano monitoring: 10:00 – 13:00 Football pitch of Morro Jable;

"Release of turtles on the beach": 11:00 – 12:00, organised by Cabildo Insular de Fuerteventura.



La Guardia Civil for Science at Pájara.



Release of turtles on the beach in Pájara.

Side events

In addition to the planned 'official' activities (described above), and in an attempt to make the night more colourful, local collaborators initiated various different fun & leisure activities in all islands; some of these took place before or after the 'official' programme elements, while some others in parallel to the main schedule at alternative locations. In some cases, these actions also served a pause in between two scientific programme elements, allowing people and scientists to refresh themselves. The activities were promoted together with the main programme, making Volcanoes' Night III. even more vibrant and an irresistible choice for a Friday-night out.

Wine tasting with scientists

Visitors of these side events gained truly original experiences by taking part in this non-usual wine-tastings organised by local wineries (organised in La Palma, in Tenerife, in El Hierro and in Lanzarote). During these sessions, scientists together with winemakers exchanged ideas on the role of volcanism in wine quality, all accompanied by in-situ testing of samples of local wines as follows:

La Palma: 18:00 – 22:30, Bodegas Teneguia (in Spanish, in English and in German);
 Tenerife: Plaza de Europa;
 El Hierro: 17:45 – 21:00, Calle Tigaday (Punto B);
 Lanzarote: 18:00 – 21:00, Bodega El Grifo (in Spanish, in English and in German).

As a whole, 350 people participated at these activities.

Telescope Observation

La Palma:

"*Volcanoes of the Solar System*": 20:30 – 22:30, San Antonio Visitors' Centre, Fuencaliente Exhibition of meteorites and night observation with the naked eye and telescope (lead by Antonio González (in Spanish), Cielos-LaPalma.com and Samuel Simmler, Plena-Vitae.ch (in German and in English)). After a short introduction on the historical volcanic activities of other planets, attendees visited the volcanoes of Mercury, Venus, Mars and some moons (via projections) and also had the chance to see and touch samples of meteorites. This activity attracted around 60 participants.

Tenerife:

'Observation of Stars from an Active Volcano', 00:00 – 03:00, National Park of Las Cañadas, Teide.

The night sky of the Canary Islands is a world leader for their particular conditions: little light pollution, the geographical location, the height of the islands, and the wind regimes all contribute to an excellent astronomical quality. This activity attracted 40 people, who went up to 2000 metres to Las Cañadas Caldera to enjoy a programme focusing on the relationship between the volcano and the Universe. The weather was fine, with very clear sky and no wind and allowed attendees to enjoy the magnificent show. 40 persons attended.

Lanzarote:

"*Volcanoes of the Solar System*" & *Telescopic Observation* lead by César Piret & Gustavo Muler (Astronomía Lanzarote): 23:15 – 00:30, Casa de la Cultura Benito Perez Armas (exteriors).

Programme included a short introduction of the night sky using high power laser and the telescopic observation of the best celestial objects the night. In Lanzarote, this proved to be one of the most successful activities of the night⁴, by directly attracting around 100 visitors.

⁴ Around 65% of the survey responders participated in this activity.



Expositions

La Palma: "*Photography & Volcano*": 10:00 – 22:00, Art and Exhibition Salon of Fuencaliente Volcano Art exhibition by Mauricio Pérez Jiménez y Tomás Oropesa Hernandez (ULL);

Tenerife: "*Artistic and Scientific Illustration in relation to the Volcano*": 09:00 – 20:00, Casa de la Real Aduana by Carmen Gloria Martín Afonso, María Luisa Bajo Segura and Sergio Hernández;

El Hierro: "*Sculptures & Volcano*": 12:30 – 00:00, Calle Tigaday (Punto C) by artists Isabel de Miguel, Gloria Martín, Gara Mascarell, Fátima Acosta, Ana Ruis, Eva Pérez, Maribel Sánchez. Curator: Esther Rodríguez Suárez (ULL);

Lanzarote: "*Sculptures in Volcanic Stones*", Volcano Art exhibition by Luis Vilán Cheillada: 10:00 – 23:15, Town Cultural Centre Benito Perez Armas (Room 1).

La Gomera: "*Creative Actions on the Volcano*" Volcano Art exhibition by Activio Doreste & Susana Guerra (ULL): 10:00 – 23:15, Town Cultural Centre, Hermigua;

Fuerteventura: "*The silent of the Maguadas*, Volcano Art exhibition: 17:00 – 22:15, Plaza de los Pescadores de Morro Jable (exteriors).

The series of these spectacular exhibitions very well presented how science and art could be related. It is estimated that these displays directly attracted about 300-500 participants.

Finally yet importantly, Batucadas⁵, LIVE Concerts (all islands), Folkloric Performances (La Palma, Hermigua), Craft Fairs (Gran Canaria and Fuerteventura) and Food Tasting (Puerto de la Cruz, Hermigua) made the night an unforgettable experience for all.

⁵ This drumming created a special atmosphere (and raised last-minute awareness for the event).