



# Onda

Programme for project development  
in LIA Sound





# GUIDELINES

## 1. Description

Etopia Center for Art and Technology and Laboratorios de Innovación Abierta CESAR present Onda, a programme to foster the development of Zaragoza's artistic fabric and promote the exchange of resources and knowledge from the Sound Laboratory in Etopia.

Laboratorios de Innovación Abierta CESAR is a joint initiative of Ayuntamiento de Zaragoza and Universidad de Zaragoza that promotes innovation and research in science and art. The following laboratories are based at Etopia: Sound Lab, Bio Lab, Fab Lab and Video Lab.

## 2. Purpose

The purpose of this programme is to make the existing resources of the Sound Laboratory available to the local, national and international artistic community for the production of artistic works revolving around sound through the selection of projects to be developed in continuity in the laboratory.

## 3. Who can apply?

This programme is aimed at musicians and artists in general who wish to develop an artistic project revolving around sound in accordance with the following conditions:

- This programme does not aim to give support to professional projects of a commercial nature in which the laboratory competes with private companies in the sector;
- Projects must be innovative and/or provide learning and experimentation processes.
- Projects may be individual or collective;
- Participants must be able to work autonomously with the equipment;
- Time flexibility is necessary in order to be able to adapt to the laboratory's schedule.

## 4. Spaces

The Sound Lab has three rooms connected through patch bays:

- A 140 m2 reverberant room, originally designed as a recording room but not acoustically treated. It offers abundant natural light and a diffuse and intense reverberation of almost 6 seconds.
- A 55 m2 control room with a 5.1 surround monitoring system, it is the operational center of the lab, used for mixing and mastering as well as recording when drier, more neutral acoustics are required.
- A booth serves as a second editing room and to record vocals or instruments in isolation from the control room.

The equipment available in the space can be found in Annex I.



## 5. What we can offer

- Access to and use of the facilities and equipment of the Sound Laboratory with occasional technical support for the duration of the project, which may not exceed two months. Working hours will be concentrated mainly from Monday to Friday.
- The possibility of staying at Etopia's residence, for those who do not live in Zaragoza, for a maximum period of three weeks.
- Visibility and promotion of the project and the events associated with the residency through the channels and social media of Etopia Centro de Arte y Tecnología and Laboratorios de Innovación Abierta CESAR.

This programme does not provide direct financial support.

## 6. Commitments of the selected artists

The selected artists agree to:

- Accept the rules of use of the spaces and equipment of both the Sound Laboratory and Etopia Centro de Arte y Tecnología;
- Take care of the spaces and equipment they use during the development of the project;
- Keep to the schedule of sessions agreed with the Sound Laboratory staff. Any modification to this timetable must be communicated to and authorised by the responsible personnel, without it being possible in any case to extend the total time of the agreed project except for reasons of force majeure;
- Document through texts, photographs, videos, etc. the development process;
- Share the creative process with the local community in the form of an open studio presentation, concert, talk, workshop, etc. This will be decided together with the Sound Laboratory staff and always within the context of the laboratory and Etopia;
- Indicate in any communication medium, both printed and online, that the project has been developed in Laboratorio de Innovación Abierta CESAR de Sonido at Etopia Centro de Arte y Tecnología.

## 7. Application

This programme is open throughout the year. Anyone interested can submit their project for evaluation at any time.

To apply, please send an email to [lia-sonido@bifi.es](mailto:lia-sonido@bifi.es) with the subject "Onda LIA Sound", attaching a document with the following information:

- Full name and contact telephone number of the person responsible for the project;
- Full name and contact telephone number of other members of the project, if any;
- Brief curriculum vitae of the artist(s);
- Brief description of the project;
- Proposed dates for the project (acceptance is not guaranteed);



- Need for accommodation at Etopia's residency, if any;
- Estimated number of sessions needed to develop the project (a session being understood as a period of 4 hours);
- Time availability of everyone involved in the project;
- Technical equipment required (if possible).

The Sound Lab staff will study the proposal and, if considered to be of interest, will contact the person responsible to try to include it in the calendar of projects for its development. Artistic quality, the degree of innovation or experimentation and the level of feasibility will be the main criteria to be assessed.

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## 8. Authorship and intellectual property

The rights of the work carried out will belong entirely to the authors. Etopia Centro de Arte y Tecnología and Laboratorios de Innovación Abierta CESAR may use the work for a limited period of time for exhibition purposes or in terms of dissemination and image for any use they deem appropriate.

The selected individuals or groups will cede the rights of public communication of the projects developed for publication in brochures, posters, promotional videos, websites, social media and other audiovisual media, always related to the aims of the organisation.

The applicants ensure that the proposal submitted is unpublished. If the proposal includes the rights of third parties, applicants guarantee that they have obtained the necessary rights, authorisations and/or licences.

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## 9. Acceptance

Applying to this programme implies full and unconditional acceptance of these terms and conditions by the promoters of the submitted projects, as well as the assumption of the commitments derived from them.

Likewise, it is assumed that they guarantee the authorship and ownership of the project submitted and the non-infringement of the intellectual or industrial property rights of any other person's work or products.

In the event of non-compliance by the selected persons with any of the commitments set out in these conditions, or of doubts regarding the authorship or ownership of the project submitted, those responsible for the programme may decide to revoke the award and terminate the support for the selected project in all its manifestations.



## Annex I. Equipment

### Monitors:

- 5.1 Surround system (5x Dynaudio AIR 15 10" active monitors with digital and analog inputs + Dynaudio AIR Base 12 12" active subwoofer)
- 14x Yamaha HS7 active monitors
- Yamaha HS8S active subwoofer
- Mackie MRS10 active subwoofer
- Behringer Nekkst K10S active subwoofer

### Microphones:

- Neumann U87 Ai. Multi pattern, big diaphragm condenser mic
- DPA 5100. 5.1 Surround condenser mic
- 2x AKG 414 XLII. Stereo pair of multi pattern, big diaphragm condenser mics ·
- Sennheiser Ambeo VR. Ambisonic mic (virtual reality)
- 2x Shure KSM137. Small diaphragm condenser mics
- Neumann KSM105. Supercardioid condenser mic, handheld
- Sure SM 7B. Cardioid dynamic mic
- Shure Beta 87A. Supercardioid condenser mic, handheld
- 2x Shure SM58. Cardioid dynamic mic
- 2x Shure SM57. Cardioid dynamic mic

### Audio interfaces de audio/ADA converters:

- Apogee Symphony I/O 8x8. USB & DigiLink, 8 analog in/out, 8 digital in/out (only MAC)
- MOTU 828x. USB, 10 analog in, 12 analog out, 16 digital in/out (MAC & PC)
- 1x Focusrite Scarlett 8i6 3a gen. USB, 6 analog in, 4 analog out, 2 digital in/out (MAC & PC)
- 2x Focusrite Scarlett 6i6. USB, 4 analog in/out, 2 digital in/out (MAC & PC)

### Microphone preams:

- Focusrite ISA 828. 8 channel mic/line preamp & 4 ch DI. Transistor/transformer based
- Universal Audio Solo 610. Mic preamp & DI. Tube based
- BAE Audio 1073 MPL. Mic/line preamp & DI. 500 series, based on Neve 1073

### Processors:

- Great River Harrison 32EG. Analog parametric equalizer
- Warm Audio WA76. Analog compressor based on UREI 1176
- Elysia Mpressor 500. 500 series analog compressor

### Computers and DAW control:

- Apple iMac 27" i5 3,2 GHz, 8GB RAM, 500GB SSD
- Apple iMac 21" i5 Turbo Boost 3,6GHz, 8GB RAM
- Several Lenovo laptops with Windows 10
- Slate Raven MTi 2. 27" multitouch screen / controller
- Icon Qcon Pro G2. MIDI controller with motorized faders

### Software:

- Avid Pro Tools 10 and 12
- Propellerhead Reason 8
- Cycling '74 MaxMSP
- Ableton Live Suite 10
- Waves Diamond
- Waves Scheps 73
- Waves 360 Ambisonics Tools
- Antares Autotune Pro



## Annex I. Equipment

### PA:

- 2x Maga Engineering ME46V. Compact line array column, passive
- 2x Maga Engineering ME218FHA. Double 18" active subwoofer, with amplifier for the ME46V column
- 2x Maga Engineering ME8SA. 8" powered speakers

### Portable recorders:

- Zaxcom Nomad Lite. 10 channel portable recorder (6 mic inputs and 4 line inputs)
- Zoom H4n pro. 4 channel handy recorder
- Zoom H3-VR. Handy recorder that can record in Ambisonics format for Virtual Reality

### Instruments:

- Kawai CN-29. Digital piano
- Behringer Model D. Analog synthesizer based on Minimoog model D
- Behringer RD-8. Analog drum machine based on Roland TR-808

### Mixers:

- Allen & Heath ZED-16FX. 16 channel analog mixer
- Mackie Mix 8. 8 channel analog mixer

### Headphones:

- 2x Sennheiser HD 25 II. Closed headphones
- 5x Beyerdynamic DT-770 Pro . Closed headphones
- Presonus HP60. 6 channel headphone amplifier
- 2x LD Systems LDHPA4. 4 channel headphone amplifier

### Wireless equipment:

- Sennheiser EW 112P G4. Wireless lavalier mic with omni pattern
- Sennheiser EW IEM G4 Twin. Wireless in-ear monitoring system for two people
- Shure BLX24E/SM58 H8E. Handheld wireless mic

### Lights:

- 2x Cameo PAR 64 CAN RGBWA+UV. LED PAR64 lights
- 4x TRITON PAR 64. Halogen PAR 64 lights
- ETC Recorte JUNIOR 25-50o 575W. Halogen spotlight
- Showtec Easy Fade 36. 36 channel lighting control desk

Others: Cables, adaptors, music stands, mic stands, MIDI controllers and keyboards, pop filters, etc.

## Laboratorios de innovación abierta – CESAR



### Instituciones vinculadas

