

co-financed by:



Erasmus+



## LearnBION

### Design and Build with Rammed Earth

BION – Building Impact Zero Network is a group of partners active in low environmental impact building techniques with positive social impact. Our aim is to share knowledge, practices and experiences in order to contribute to built environments and our communities.

The Learn BION project aims at building and sharing knowledge across borders and involves 7 partners from 5 European countries. As part of this network, Dehesa Tierra association (DT) will organize the fifth workshop of this 3-year project.

More info at: [www.bi0n.eu](http://www.bi0n.eu) or [www.dehesatierra.es](http://www.dehesatierra.es).

#### \_ what?

Build with rammed earth in a real context, building at 1:1 scale for and with the local community in a public space. Right now, several proposals are being analysed to fit the needs of Valverde de Burguillos citizens. Until the end of february the program will be defined and fixed.

Why rammed earth? Rammed earth is a traditional building technique present in many parts of Spain, especially in the south of Extremadura, where most of the villages are built with rammed earth and painted with lime. This beautiful vernacular architecture is today under threat of extinction in spite of the countless benefits of raw earth, a local and low transformed material with high comfort regulation properties.

The workshop will be a two-week training program. A balance between theory and practice (around 25% theory, 75% practice) will approach in detail the material and the techniques to build with rammed earth.

The most important topics covered by this training are: rammed earth production processes, how to transform raw earth into a built element; building with rammed earth - its principles, soil selection, level of mechanisation; rammed earth structures and details, an introduction to the design of rammed earth building; prefabricated rammed earth.

#### \_ who?

Dehesa Tierra (DT) association is a diverse group of people gathered with a common goal of spreading and promoting earthen construction and architecture in Extremadura (Spain). Since 2013, we are organising training and dissemination activities, building bridges between tradition and modernity .

The DT team is transdisciplinary: we are architects, builders or engineers working together to bring earthen construction closer to society.

#### \_ where?

Valverde de Burguillos (VdB) is small village of Badajoz province (Extremadura), located in a rural area, with an increasingly aged population and low density. It is located close to Zafra (15 min), between Sevilla (1h40m and Badajoz (1h).

The village, mainly built of rammed earth lime washed traditional houses, is surrounded by the dehesa, main ecosystem of the region, characterized by the presence of oak and cork trees.

In spite of its small population (290 inhabitants), VdB has a rich associative network that developes cultural and social activities in the village. In this context, the project “Activa Valverde” emerged last year as a common

concern of VdB neighbours to change the negative demographic trends. For the first time, DT is collaborating with VdB city council, to realize a unique project in this place.

## \_ when?

The workshop will take place from the 15th to the 30th of April. Training days are from Monday to Friday. On the weekends some optional activities like lectures or visits will be organized.

The program is divided in 2 weeks of 40 training hours each.

## \_ food and accomodation

Lunch and accommodation will be provided by VdB city council without additional fees. Lunch will be served at 14 hrs in a canteen of the village. Accommodation will be in houses of the village, shared by 4-5 participants (bed sheets and towels not included), offering the possibility to cook breakfast and diner. Other possibility is having breakfast at the village's bar for around 2-5€.

## \_ how to arrive

There is only one bus a day to arrive to Valverde de Burguillos, from monday to friday (see Cáceres - Oliva de la Frontera line with LEDA company: [www.leda.es](http://www.leda.es))

Other option is to reach Zafra with a bus from Badajoz, Sevilla, Mérida, Cáceres, etc. (see LEDA company: [www.leda.es](http://www.leda.es)), o de Madrid (ver compañía Avanzabus: [www.avanzabus.com](http://www.avanzabus.com)). Once you arrive there we can pick you up and take you to Valverde. We also encourage car sharing between participants.

## \_ fees

Base rate: 300€

Discount fees:

- **Dehesa Tierra members** (since at least 2017): 250€
- **Students or unemployed** (under status proof.): 200€
- **VdB citizens** (with domicile certificate): 60€

We emphasise that offering such low registration fees would have been totally impossible without the support of VdB city council for logistics aspects and of Erasmus+ for the organization of the project.

Fee includes accommodation (except for VdB citizens), lunch, educational printouts, use of tools and insurance. Dehesa Tierra will provide security equipment to each participant (gloves, glasses, hard hat, etc.), except protective footwear, that will be the responsibility of the participants (wearing protective footwear will be mandatory in order to access the building site).

Payment details:

- name: Dehesa Tierra
- IBAN: ES39 3009 0018 1823 7221 9713
- BIC/SWIFT: BCOEESMM009
- address: Asociación Dehesa Tierra, C/Paseo Corredera, 15, 06390 FERIA (Badajoz)

## \_ application

Please complete the online application form which you can access by clicking on: <https://form.jotformeu.com/80334348958365>

In case of any doubts please write to **dehesatierra@gmail.com**

In case of over registration, selection of participants will be based on their profile and motivation.

## \_ calendar

- **application deadline:** March 08
- **participants selection announcement:** March 15
- **payment deadline:** March 22
- **arrival of participants:** April 15
- **workshop starts:** April 16
- **workshop ends:** April 30

## \_ contact person

Lucile Couvreur +34 681 60 82 37  
**dehesatierra@gmail.com**

coordination:



partners:

