

## ***How to build your own green wood round pole double interlocking reciprocal roofed structure***

### **Workshop 8th - 15th October 2016 at Bosque Verde, Seia**

In this workshop you will gain experience of how to build a round pole double interlocking reciprocal roof using green wood. It has a planned area covering 9 x 10 metres and will be covered with living plants. This is a team event where we will all learn as we prepare the materials and build the structure.

The main purpose of the workshop is for all participants to acquire the skills to adapt and make their own structure. This will be achieved through the experience all gain from working as a team with simple joints and fitting tools to complete and install the roof.

We meet on the Sunday afternoon for introductions and then an introductory walk through the woods and along the river to be introduced to Quinta da Ribeira. Afterwards you will be introduced to the project and a 3D model. The foundations, frame and ring beam will already be in place.

A handbook will be provided to all participants. It contains space for notes to be made as the workshop progresses.

The five modules for this six day workshop cover:

- Module 1 – introductions, orientation, overview of the project, and the skills each brings to the team, site safety.
- review of the design and the building plan using very simple tools such as water levels, triangle, A-frames wire lashing, metal strapping, r bar nails, cut bar and nuts, wood charring.
  - review of the experiences from erecting the frame and ring beam
- Module 2 - introduction to tree cutting, bark peeling and sharing wood treatment.
- practical on site experience of cutting, peeling and erecting scaffolding.
- Module 3 – raising the roof beams, fitting and fixing in place.
- Module 4 - using perlines, raising, fitting and fixing the second roof.
- Module 5 - review of experiences, how to improve, what to take away.

This workshop will finish on 15th with a celebration to mark completion of the double roof.

Participants should bring their own leather work gloves, footwear - preferably with steel toecaps; and clothes suitable for climbing on a roof, including head cover. Any small personal hand tools, including a small hand axe would assist each participant during the workshop.

#### **Course Fee:**

Full price €295      Concession €145

Volunteer placements available upon request - in return for helping with extra chores through the week.

\*includes camping accommodation and all meals that are delicious and homemade with a focus on organic and local.