



# Impact Workshop

Bamboo Design and Construction Techniques  
Casa Congo, Nicaragua, 2019

# ABOUT THE WORKSHOP

The Casa Congo school of conservation is proud to host an experiential learning workshop where students from all over the world and the local community can learn how to build sustainably with bamboo and make an impact. The program will include a theoretical module focused on bamboo agriculture, treatment, physical properties and applications as well as a practical module where we'll build a 4 x 4 meter pavillion. The workshop lasts 2 - 4 weeks and is designed for built environment experts as well as people without experience in sustainable construction and are just passionate about the subject.

The workshop will be run in El Astillero, a small fishing village on the Pacific coast of Nicaragua only 1 km away from the Chaocente Refuge, America's largest tropical dry rain forest and home of a wild natural ecosystem.

## Location:



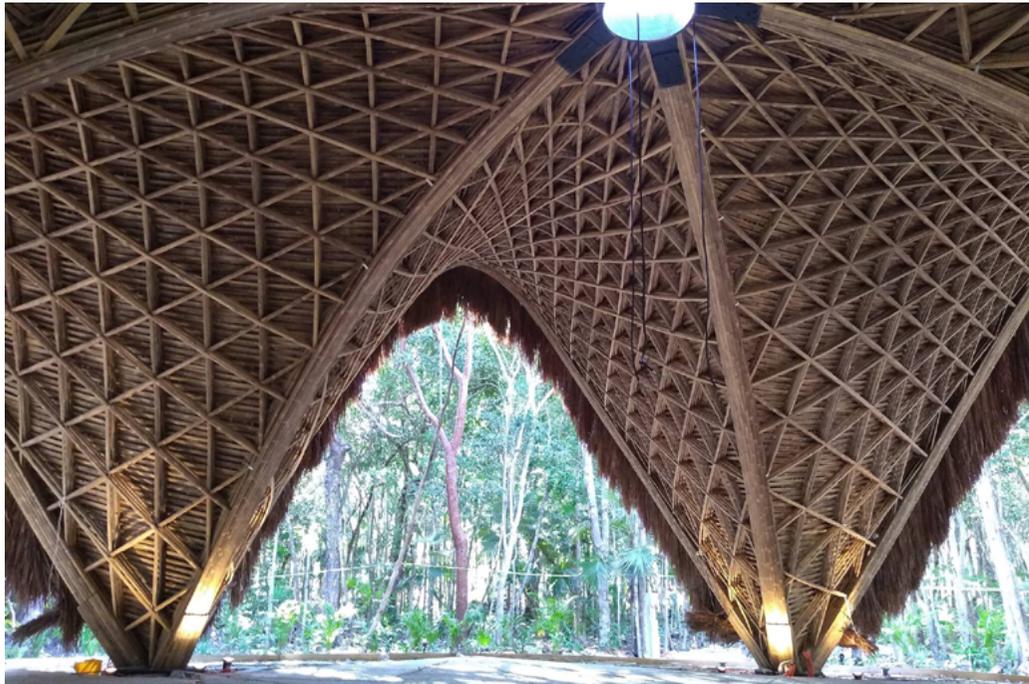
**When:** 2 weeks 06/07/19 - 19/07/19 or  
1 month 06/07/19 - 02/08/19

## How to reach us:

<https://www.casacongo.org/volunteer>

## Facilitators:





These images are property of Arquitectura Mixta Mexico (Yoga temple - Tulum, Mexico) and Arquitectura Mixta Brasil (Casa colmena - Mogi das Cruzes, Brasil)



# THEORY MODULE

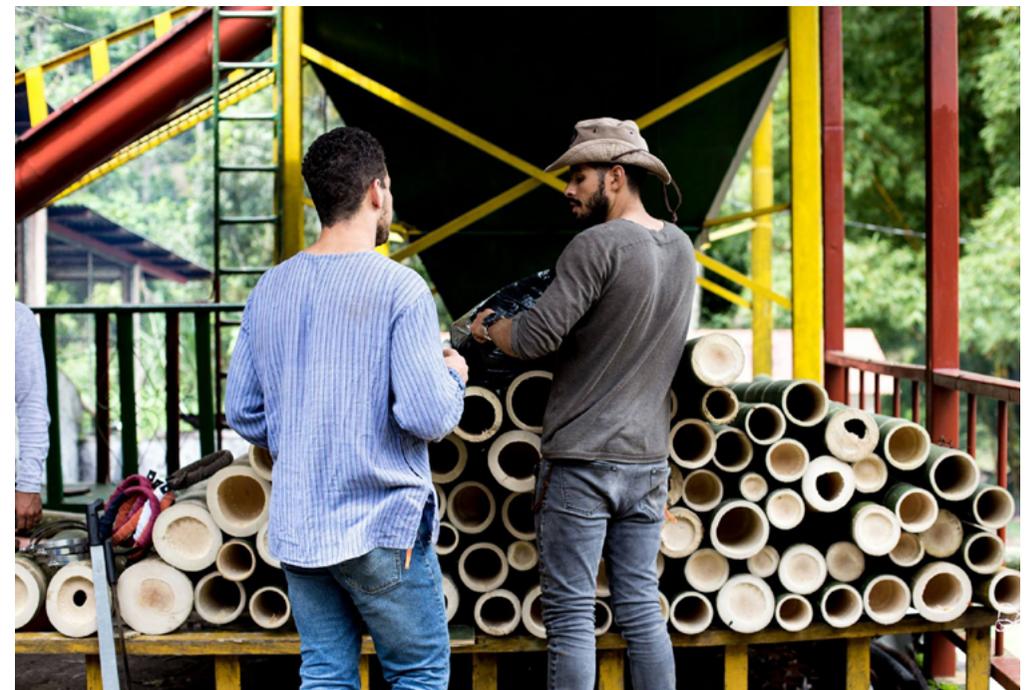
## Bamboo properties:

- Apus & Asper species
- Identifying different bamboo types and growth stages
- Understanding structural capabilities and chemical reactions
- How to grow and cut bamboo
- Bamboo applications in timber building methodologies



## Bamboo transformations:

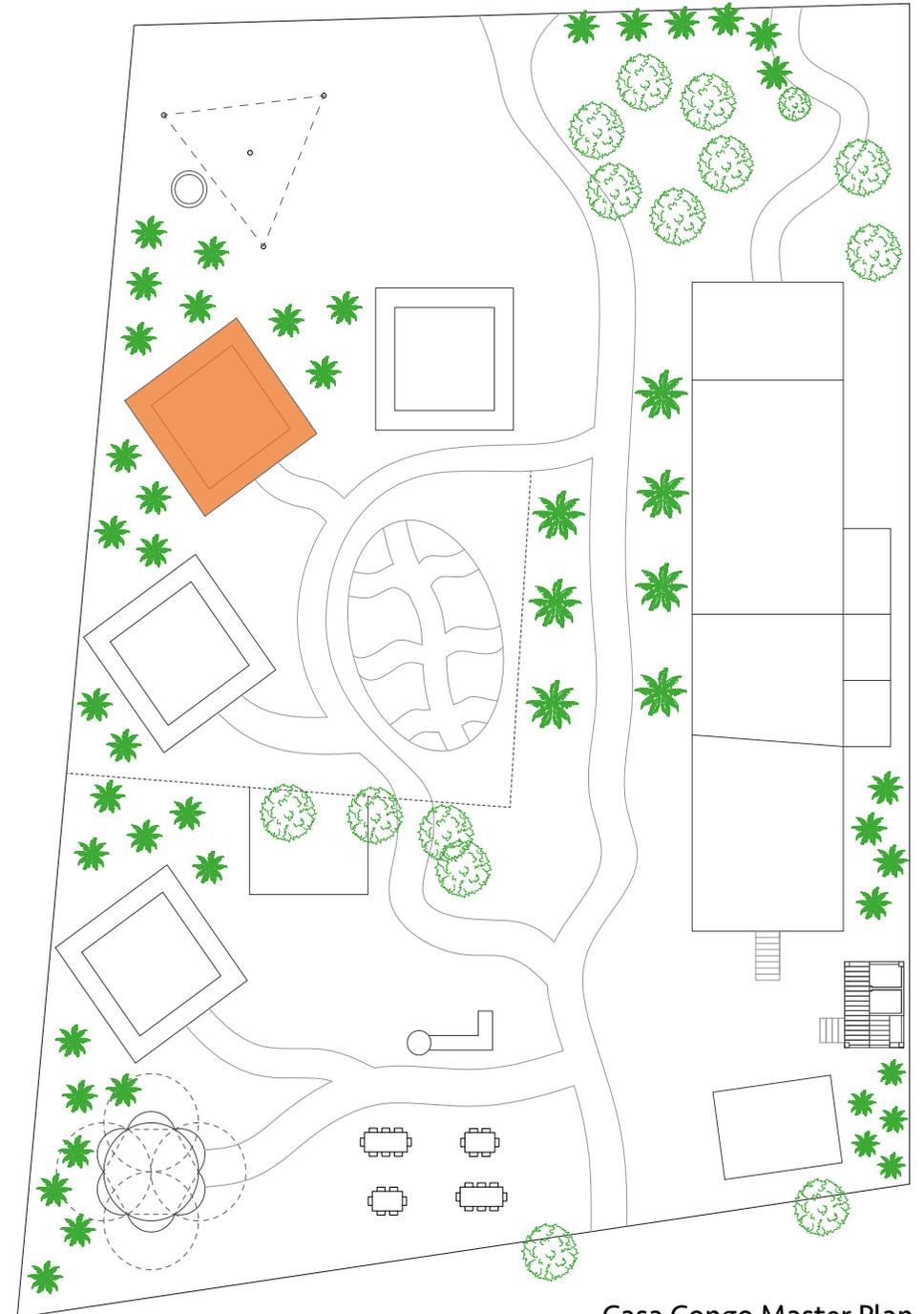
- Sustainable design principles
- Product development
- Cleaning, preservation and construction applications
- Creation of slats, columns and slabs
- Connecting elements
- Bamboo cuts
- Supporting structures
- Equipment, tools and methods



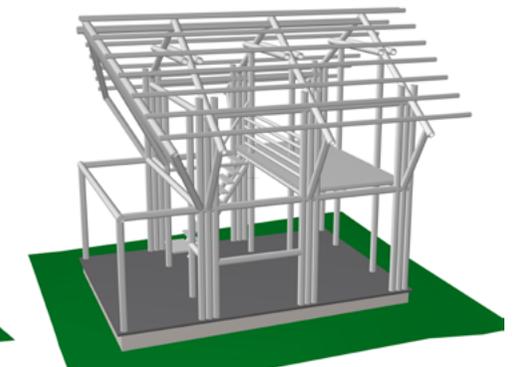
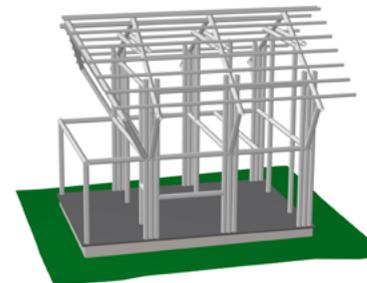
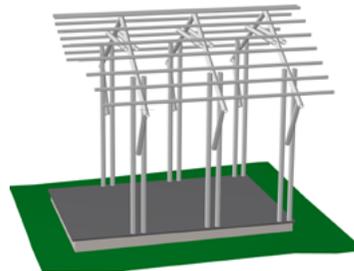
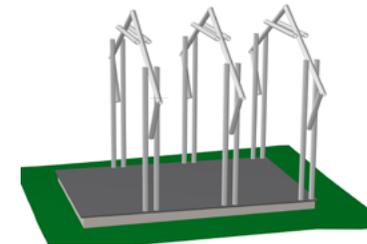
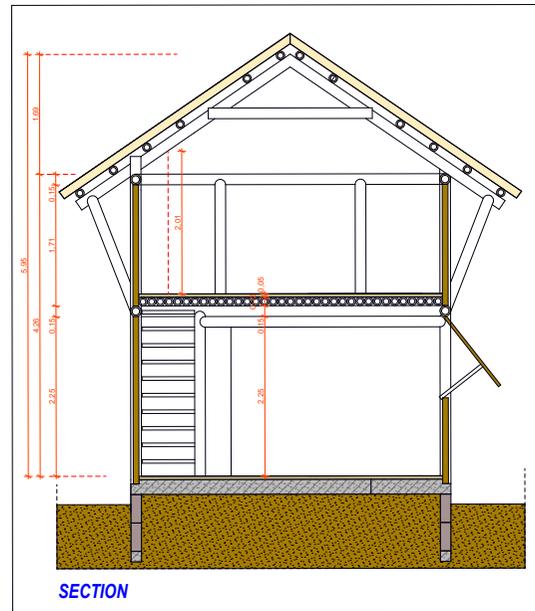
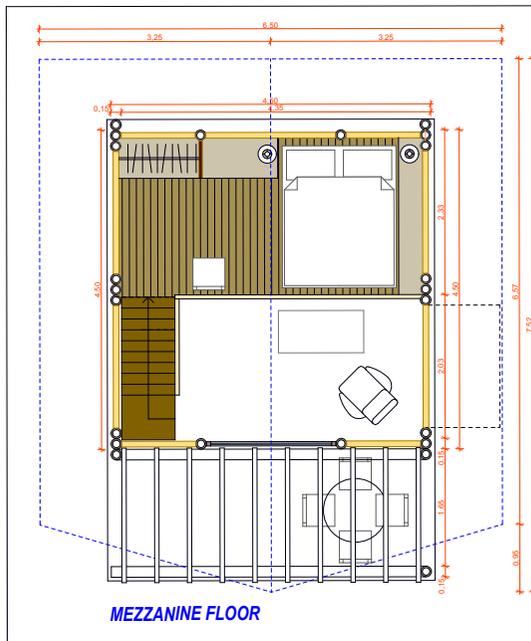
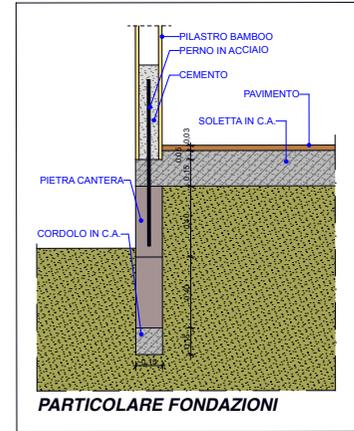
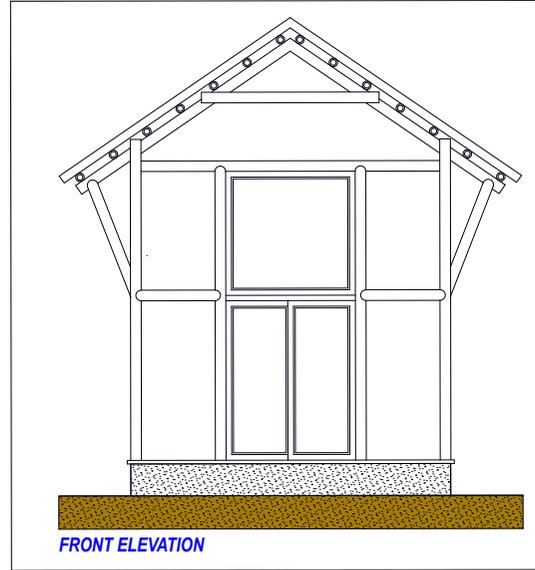
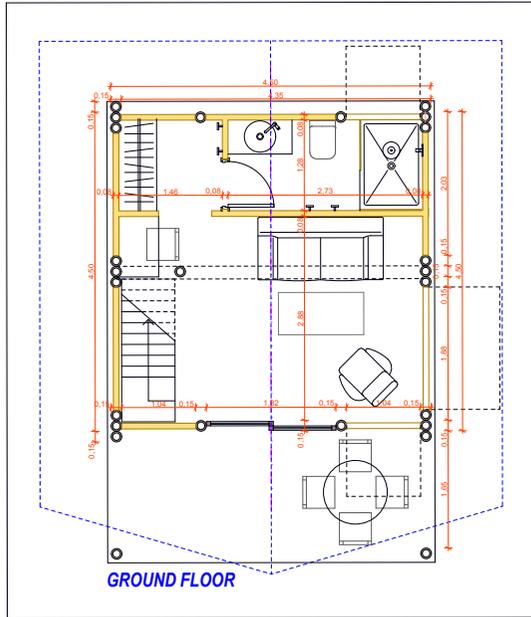
# HANDS - ON MODULE



We will build a 2 floor pavilion to host international volunteers that will participate in our sustainable development programs with the local community. The architecture will have structural framework, fiber panels and interior decorations all out of bamboo. Materials to build the project will be 100% locally sourced and the technical delivery will be mentored by our course instructors.



Casa Congo Master Plan



## A TYPICAL DAY

- 7:00 wake up
- 7.30 healthy breakfast
- 8:00 start on site
- 10:00 snack
- 10.30 back to construction
- 13:00 healthy lunch
- 14:00 back to construction
- 16:00 rest, volunteering, surfing, ecotour
- 18:30 lesson
- 20:00 dinner

## WHAT'S INCLUDED

- Transport to and from airport
- Accommodation with a comfy bamboo bunk bed, wifi and personal storage
- 3 meals / day + snacks and hydration
- 1 x team dinner @ Popoyo
- Materials and tools for bamboo construction
- Bamboo theory lessons
- Surf board and surf lessons
- Ecotours in Chacochente and volunteering activities
- Photos of workshop
- Casa Congo Limited Edition Bamboo T Shirt
- Social impact certificate
- Bamboo course certificate

## NOT INCLUDED

- Flights
- Medical Insurance
- Alcohol and extra food / drinks
- Additional entertainment costs
- Construction boots (mandatory BYO)



# PRICING

- 1 Month (06/07 - 02/08) \$USD 1.450 if you book before 30/04/2019  
\$USD 1.650 if you book before 31/05/2019
- 2 Weeks (06/07 - 19/07) \$USD 800 if you book before 30/04/2019  
\$USD 950 if you book before 31/05/2019
- 10% discount for couples and groups

## Registration Process:

Registration is made by paying 100% of the workshop price upfront. Please send an e-mail confirming your payment to [tommaso@casacongo.org](mailto:tommaso@casacongo.org) also referencing your flight arrangements, number of participants and attaching passport scans.

## Payment Details:

- Use [www.transferwise.com](http://www.transferwise.com) as transaction method
- Swift Code: BOFMCAM2
- CC Code: CC000107600
- Name of the bank: BMO Bank of Montreal
- Address of the bank: 2601 Granville Street, Vancouver, BC V6H 3H2
- Account number: 8933134
- Beneficiary: Casa Congo Conservation Society

For more information please contact: [tommaso@casacongo.org](mailto:tommaso@casacongo.org) or [federico@casacongo.org](mailto:federico@casacongo.org)



## CASA CONGO

Casa Congo is an NGO with a mission to empower communities with skills & tools for sustainable development. We're building a school in Nicaragua to share knowledge with the local community and international students around conservation practices that can preserve the natural environment whilst regenerating the economy. We achieve our mission through 4 programs: ecology, ocean advocacy, built environments, community development.

## OUR IMPACT IN 2018:

10.976

Paid man hours in environmental conservation projects

5.000

Liters of water saved from sustainable amenities

2.880

Hours of lessons in environmental conservation

3.000

Trees planted in the Chacocheute reserve

24

Community members in educational environmental programs

250

Square meters of community permaculture gardens

631

Tonnes of sequestered CO2

5.000

Turtle eggs saved from poaching

## ARQUITECTURA MIXTA

Arquitectura Mixta is a bio-architecture studio formed of experts who have been working for over 10 years in Central and South America on sustainable construction projects. Our design principles are founded on respecting the local social context and the surrounding environment, through utilization of natural materials and engagement with the community. Our objective is to teach people how to build in harmony with the planet.



# LET'S BUILD!

 [www.casacongo.org](http://www.casacongo.org)     [@casacongoconservation](https://www.facebook.com/casacongoconservation)     [@casacongoconservation](https://www.instagram.com/casacongoconservation)

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