

**“Timeabu  
Kindergarten”  
ARCHITECTURE  
COMPETITION**

RADeF





# Introduction

Radefoundation and Madanfo Project announces the architecture competition “Timeabu Kindergarten”. The competition aims to create a place where the youngest children of Timeabu can take classes.



## **Education**

Education is the process by which people acquire and assimilate knowledge. We learn from when we are kids to develop our own ideas and reasoning. It is necessary to create a space where the smallest ones can feel comfortable and safe, and be able to learn, grow and develop.

The NGOs Madanfo Project and Radefoundation have the aim to allow access to a proper education for every person. Both NGOs focus their work in projects to improve the access to education to the population of small villages in rural Ghana.

## **Integration**

Integration is a fundamental tool in society, which must be adapted to all children based on their need for learning. Architecture plays an important role in integration, since a good integration in the context implies a close relationship between human activities and the environment, creating dynamic spaces where you can interact with each other and with the environment.

## **Sustainability**

Projects must be conceive with local materials. It can be used as a reference the traditional architecture or different techniques that can also be taught to local workers. Self-sufficiency in energy terms and respect for nature will be valued.

## **Efficiency**

The design of the new classrooms must be designed efficiently. Consideration of high temperatures, seasonal storms, natural lighting and natural construction materials must be taken into account.



# Proposal

A constructible architectural project must be carried out and according to the local reality for the preschool classes in Timeabu.

The preschool class block will be a space comprised of three classrooms: nursery, Kindergarten 1 and Kindergarten 2.

The project must be conceived from the study of the place and its characteristics. There will be a project selected as winner, a second and a third prize to be built in Timeabu.

The construction will be carried out in the form of a workshop with volunteers and hiring specialized local labor. An approximate construction period must be established, not exceeding 3 months.

Local materials and different bioconstruction techniques should be used, as well as the incorporation of a rainwater collection system to generate a hand wash station.

It is important to consider the latitude and geographical condition for this program, since high temperatures and rainfall will be a condition for the design



# Program

Classrooms for preschool education.

There are currently more than 100 students attending preschool education classes under a tree. It is necessary the construction of three classrooms in total: Nursery, Kindergarten 1 and Kindergarten 2. Each classroom must be able to accommodate between 35-40 students.

The competition has two main objectives:

- General urban planning of the new preschool education classrooms: Disposition and integration of the new classrooms in the current school grounds. Integration of the new architecture with existing constructions.

- Classroom design: Three classrooms. Each classroom must be able to accommodate between 35-40 students. It is important to create a relationship between the different classrooms and that each one works independently.

Each classroom should have enough space for the desks for the students, the teacher's table and a blackboard. There should also be a space where books and material can be stored for students.

There should be a room to use as a storage of approximately 4-6 m<sup>2</sup>.



The project is located in rural Ghana, in a small village called Timeabu. Ghana is a country located in the west of Sub Saharan Africa. The country has 30.064.725 inhabitants, and 47% of the population lives in rural areas. Ghana is a reference of security and stability in Africa, being the first Sub Saharan country to get the independence in 1957.

Timeabu is in the Ashanti Region, in the centre of Ghana. The inhabitants of the Ashanti Region are Ashanti, an ethnic group that lives in the territory since XIII century. In 2016 the population of the region was 2,5 millions, half of it rural.

Timeabu is a rural village with more than 1000 inhabitants but with a low concentration of the population, Most of the population of Timeabu works as farmers and they have a very low income.

Timeabu has a primary school (in google maps  $6^{\circ}37'35.4''N$   $1^{\circ}24'59.1''W$ ), and it has classes from Kindergarten to secondary school. There are no classrooms for all the different levels. Nowadays there are 100 students from the lower levels that attend school under a tree.



# Calendar and dates

## Early registration:

Begins: 2nd of September 2019

Closes: 15th of October 2019 20.00pm CEST

## Advanced registration:

Begins: 15th of October 2019 20.00pm CEST

Closes: 17th of November 2019 20.00pm CEST

## Consultation period deadline:

30th of November 2019

## Submission deadline:

20th of December 2019

## Jury decision:

20th Dec 2019 - 10th of January 2020

## Winners announcement:

10th of January 2020

## Payment:

Early registration: 30 euros

Advanced registration: 50 euros



# Format

The presentation of the project must be in A3 format, delivery in PDF and it must at least include:

- Implementation on the ground
- Elevations
- Sections - At least two
- Images
- Sketches and explanatory texts of the process and the choice of design
- Details and necessary information for the correct understanding of the project
- Tentative budget, not exceeding 10.000 euros.
- Timeplan proposal for the construction

Each PDF must have the registration number in the bottom right. No names or any element that identifies the authors must be shown.

The graphic representation scale will be chosen by the design team, showing the correct scale for the better understanding of each project.

All texts must be in English.

It must be delivered in PDF format in high resolution, with a maximum of 5 A3.

Each registration number may submit only one proposal.



# Evaluation criteria

## **Evaluation criteria:**

- Development and explanation of the design concept and generating idea
- Innovative and original design
- Connection of the design with the environment
- Construction techniques and chosen materials
- Design according to the program



# Organization

The competition is organized by Radefoundation and Madanfo Project

**Radefoundation:** NGO registered in Ghana, with Frank Appiah Kubi (director) as a local referent of construction. Frank Appiah Kubi works in collaboration and managing construction projects with Voluntaries for 10 years.

**Madanfo Project:** NGO registered in Madrid in 2017, works in rural zones in Ghana. Some of their projects realized so far are: "Building under the Sun" and "On the way to school". Their partners co-founders are architects, with experience in sustainable architecture and construction in Ghana.



# Eligibility

The competition is open to candidates both students of professionals of architecture, design, engineering, or people involved to design or construction projects, from all around the world.

The teams can be composed by (4) persons maximum and a minimum of (1).

All the members of the team must be adults (18 years or more)

The register price is by team, regardless the number of participants in the team.

In case one team or participant want to participate with more than one propose, it will be need it to get registered twice (or as many times as proposes want to deliver), paying the corresponding price for each register.

Under no circumstances, the members of the jury, of the organization or people with direct contact with the jury, are allowed to participate in this competition.



# Prizes

The jury will evaluate all the projects that complies with the regulation.

**1st Prize:** Select their planification propose for the new classrooms.  
Construction of the Kindergarten 2 in Timeabu, Ghana.

**2nd Prize:** Construction of the Kindergarten 1 classroom

**3rd Prize:** Construction of the Nursery room

\*The architectonic design of the classrooms can be modified by each team once all the prizes have been granted, in order to guarantee the correct integration between the different classrooms. The different teams will be contacted to get coordinated.



## **Jury**

The members of the jury will be confirmed throughout of the process of the competition.

The jury will be made up of professionals related to the different subjects in the competition: Sustainable architecture, bioconstruction, educative architecture, etc.

## **Evaluation process**

The jury will evaluate the project in a compliance basis of the objectives proposed and with the characteristics indicated in the document. The jury has complete freedom to add other criteria that they consider important for the improvement of the project.



There is also a section that provides the more common questions in the corresponding section in the website <https://madanfoproject.org/competition>. In addition, within the duration of the competition, all the questions sent via electronic mail, will be answered individually and added to the section mentioned before.



# Intellectual property and Copyrights

All the material provided to the competition will become Madanfo's Project property, whom will have all the rights from that moment on such material. Likewise, the Organization is firmly committed to identifying the authors of the motion at the moment of do publications over them.

The Organization reserves the right to modify or complement the suggestions and the text from the participants with the purpose to adapt them to any kind of publication, online or on paper, without modifying the essence of the material. In addition, given that the project will be developed, we reserve the right to modify the winner propose to the specific needs of the NGO, always maintaining the essence of the project and working together with the author of the project. The participating team will be responsible for using Copyright-free images. Madanfo project and Radefoundation are not responsible of the use of protected images used by the participants.



Madanfo Project and Radefoundation, reserves the right to change the rules regulation (dates, requirements, etc.)

Any significant change will be properly notified to the participants of the competition, as well publishing it on Madanfo's Project competition forum.

Non-compliance of the rules and defined terms established in the competition's rules will result in disqualification of the group without the returning of any payment.

The Organization reserves the right to declare the prize null and void if the minimum conditions required are not in place.



**MADANFO PROJECT**  
[www.madanfoproject.org](http://www.madanfoproject.org)

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