Tlamaya
-Hungry Niche-
Tlamaya: Hungry Niche
“The bamboo and his social integration”

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Speaker: Guillermo Adolfo Mortera Aguilar
“If there's any power in design, that's the power of synthesis. The more complex the problem, the more the need for simplicity”

Alejandro Aravena
Global challenge of urbanization
Some Reasons

The lack of:
- Opportunities
- Information
- Work
- Education

Bad use of natural resources
Tlamaya Project first Goals

01 Social Integration: through training of the population in various topics such as herbs medicine, permaculture, alternative medicine among others

02 Create a bamboo forest
Build spaces with this material

03 Teach and inform people about Bamboo
Tlamaya: The creation of a bamboo forest, guided rural development.

**Location**

[Tlamaya Grande, Tlapacoyan, Puebla, México]

**Priorities 2013**

- 30% Bamboo Planting
- 14% Explain the project to the community
- 14% Construction
- 12% Integrating the bamboo to the community
- 14% Introductory Workshops Bamboo to community
The creation of a bamboo forest, guided rural development.

- Proposals for Bamboo Constructions
- *Volunteers
- *Collaboration with universities
- *specialists in the subject

Bamboos Planted 2013

<table>
<thead>
<tr>
<th>Bamboo Type</th>
<th>Number Planted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gigantachola Atter</td>
<td>30</td>
</tr>
<tr>
<td>Oldhami</td>
<td>50</td>
</tr>
<tr>
<td>Dendrocalamus Asper</td>
<td>60</td>
</tr>
<tr>
<td>Phyllostachys Aurea</td>
<td>40</td>
</tr>
<tr>
<td>Timor Black</td>
<td>30</td>
</tr>
<tr>
<td>Guadua Angustifolia Kunth</td>
<td>500</td>
</tr>
<tr>
<td>dendrocalamus giganteus</td>
<td>50</td>
</tr>
</tbody>
</table>
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First Constructions
Tlamaya

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First Constructions
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Priorities 2014

- 40% Bamboo Planting
- 10% Show and explain the project to the community
- 40% Construction
- 10% Integrating the bamboo to the community.
- 5% Give introductory workshops bamboo to the community, volunteers and interested people.
“Unlike other domes based on the field, currently the dome 'Tlamaya' is the first large format ellipsoidal dome bamboo using the mutual coupling of Leonardo Da Vinci.”

(‘La cupola ellissoidica di Tlamaya’ Lulu.com editions, Raleigh 2014, Author: Biagio Di Carlo)
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Second Constructions
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Location of bamboo structures

A Multipurpose room
B Geodesic Dome
C Individual Cottage
D General Dining Room
At the end of 2014...
Tlamaya

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Reforestation
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Priorities 2015

- Bamboo Planting: 80%
- Construction: 40%
- Integrating the bamboo to the community: 40%
- Give introductory workshops bamboo to the community, volunteers and interested people: 10%

10%
Workshops

- Community organization and health
- Urban gardens
- Physiotherapy
- Dental health care
- Dance
- Creative drawing
- Solar energy
- Alternative media
- Bioconstruction
- Photography
- Bycicle with Bamboo
- Furniture with Bamboo
- Herbal medicine
- Hiperadobe
- Yoga
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Bamboo Furniture Workshop
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Nowadays

1,008 people

2020

52,300 people
The creation of a bamboo forest, guided rural development.
Thank you

정말 감사합니다

Gracias