



RIZOME Giant Bamboo Value Chain ~ Photo Essay

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1) Nurseries

Rizome's 2020 campaign:

130,000 plants

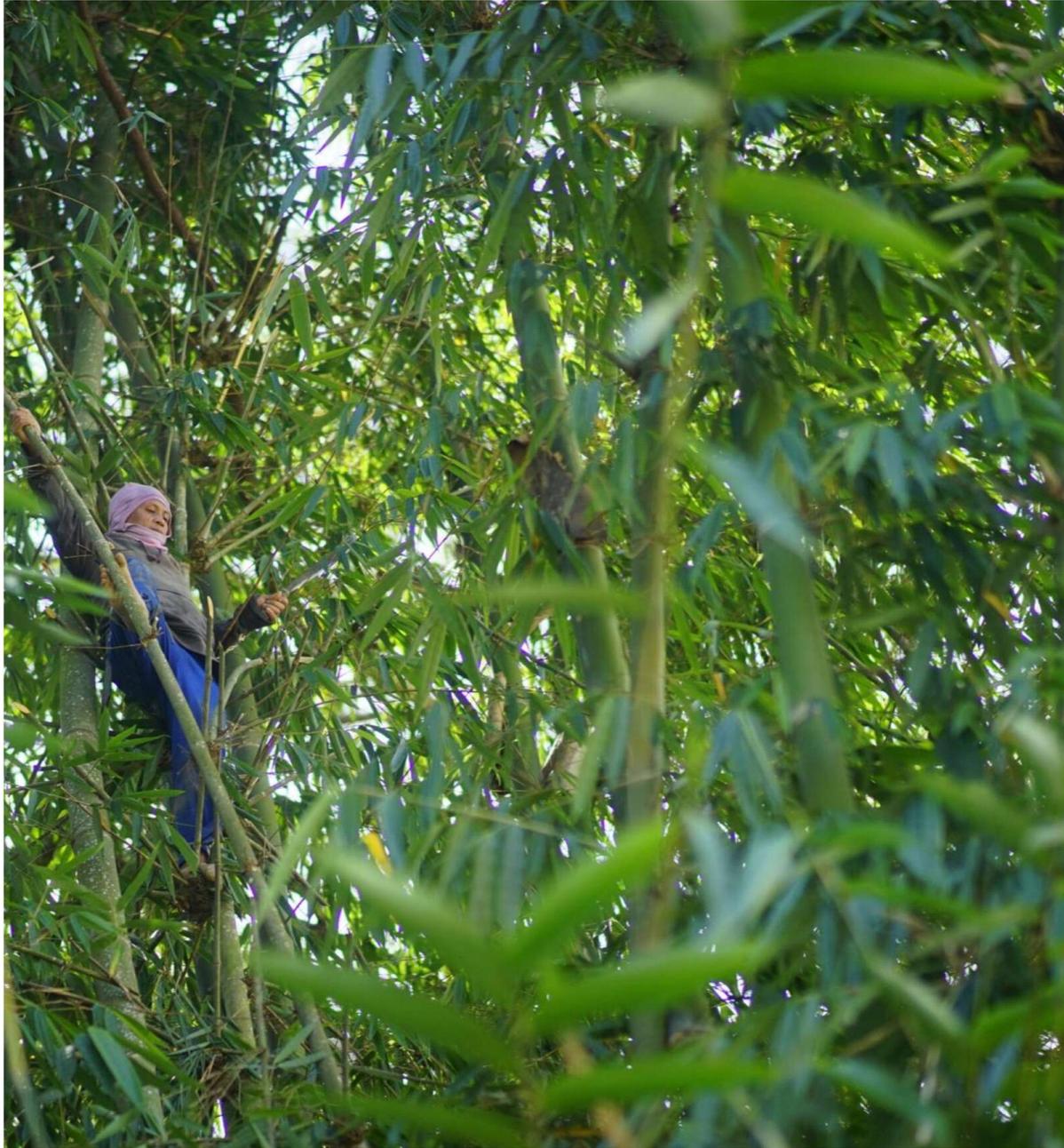
grown in 7 nurseries



The Indigenous community's Giant Bamboo nursery was established on this former landfill.

Nurseries are creating an income opportunity for disenfranchised indigenous people who subsisted as waste pickers. Now earning income as bamboo nursery participants.





















2) Planting

Rizome's 2020 campaign:

Plant 650 hectares (130,000 clumps)

Prioritizing:

- Social & economic impact on Indigenous Community
 - soil erosion protection / water quality
- use of non-productive land / steep mountain slopes





The problem:
Deforestation
= soil erosion
= landslides

















1 nursery plant =
1 clump =
10 bamboo poles
harvested every year for
the rest of the 21st century

3) Harvesting:

Multiple harvest teams are deployed to harvest several truck loads per week

Income opportunity is distributed amongst multiple farmers with pre-existing bamboo clumps









4) Transport

by foot

by water buffalo

by tractor

by Truck











5) Processing:

Bamboo culms are split, de-noded, planed, treated in pressure tank, kiln-dried, planed again, graded, bundled and shipped.



Rizome Industrial
process from bamboo
culms to bamboo slats

















6) Impact Indigenous People

Income from collection of propagule

Wages from nursery work

Income from the sale of nursery plants

Wages for land prep and planting

Carbon Offset dividend

Increased food security

Improved water quantity and quality

Training, capacity development













7) Impact on Women:

Income from collection of propagules
wages from nurseries

Food security

Improved water quality and quantity

Training and capacity development

Role modeling through Rizome Head of Nurseries













Mindanao: 300,000 hectares are available for bamboo reforestation and associated environmental, social and economic impact