

Bamboo Management Plan: A Unique blend of Traditional Knowledge and Scientific Bamboo Working Plan



Presented by

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Introduction

- Man's association with bamboo – old
- Uses



- FD incharge of bamboo management
- Onset of FRA, 2006





Jamguda

In News



THE NEW
INDIAN EXPRESS

Sunday, February 02, 2014 02:47 PM

Jamguda gets transit pass for bamboo

By Express News Service - BHAWANIPATNA | Published: 04th March 2013 11:44 AM
Last Updated: 04th March 2013 11:44 AM

Photos:



Down To Earth

Another village, this time in Odisha, gets official permit to sell bamboo

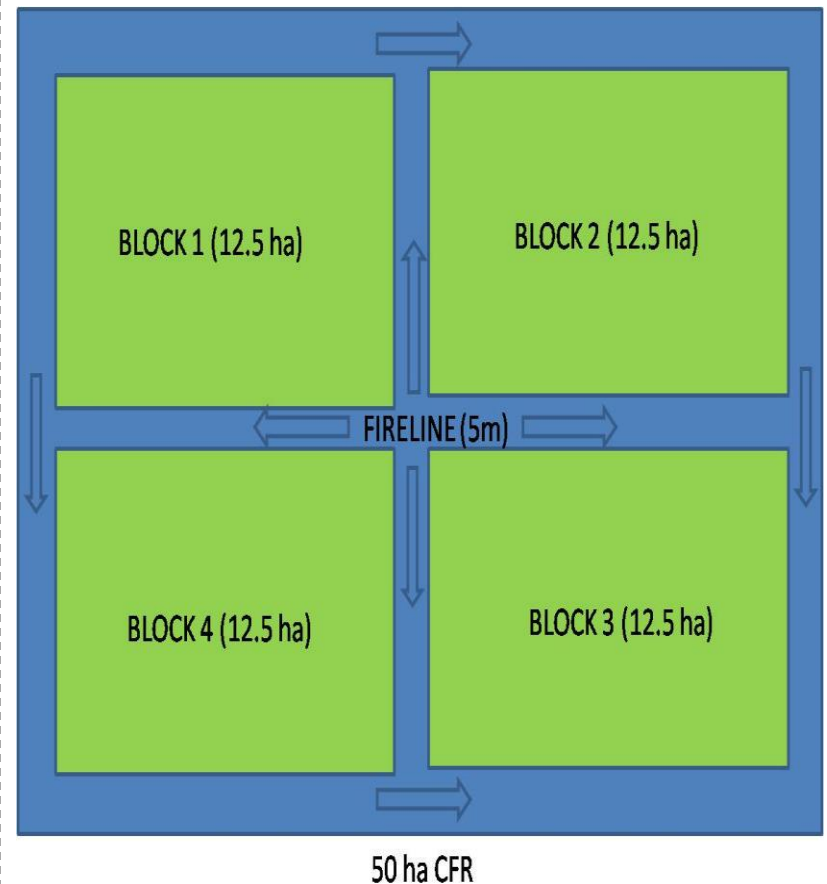
Author(s): Sudheep Kumar Datta

Date: Mar 4, 2013

Though Jamguda was conferred community forest right two years ago, it was not allowed to cart bamboo out or sell it in the market



Community Management Plan

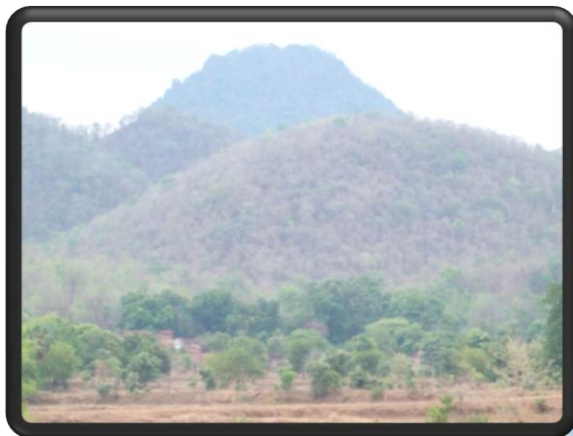


Study Area



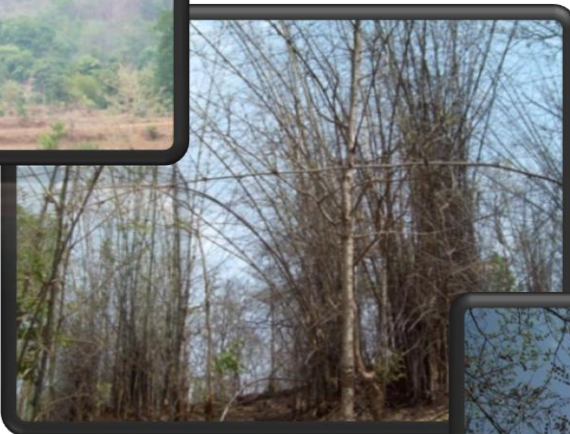
Jamguda
Mandanpur
Rampur block,
Kalahandi district

Bamboo Forest of Jamguda



Norla range of Kalahandi North
forest division

*Dendrocalamus
strictus* (Salia)
forest of 50 ha



Bamboo flowered in 2013

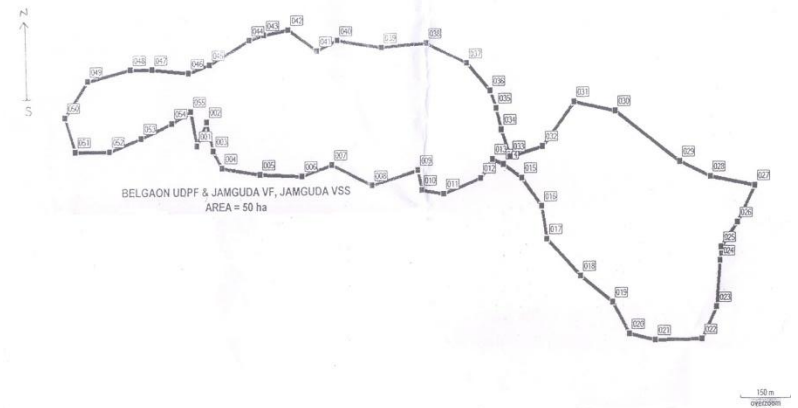


Development of Community Management Plan

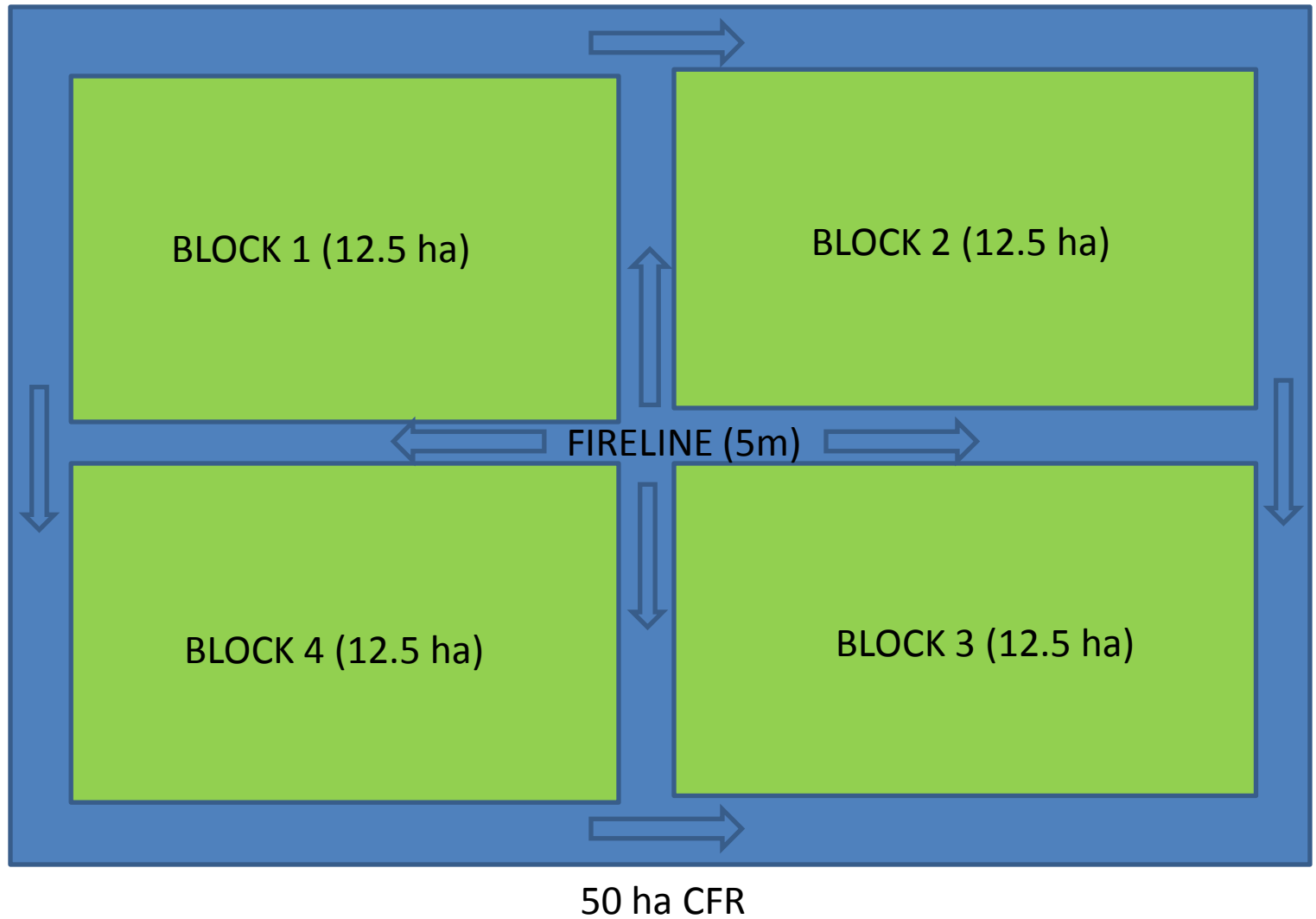
Discussions between bamboo expert and community



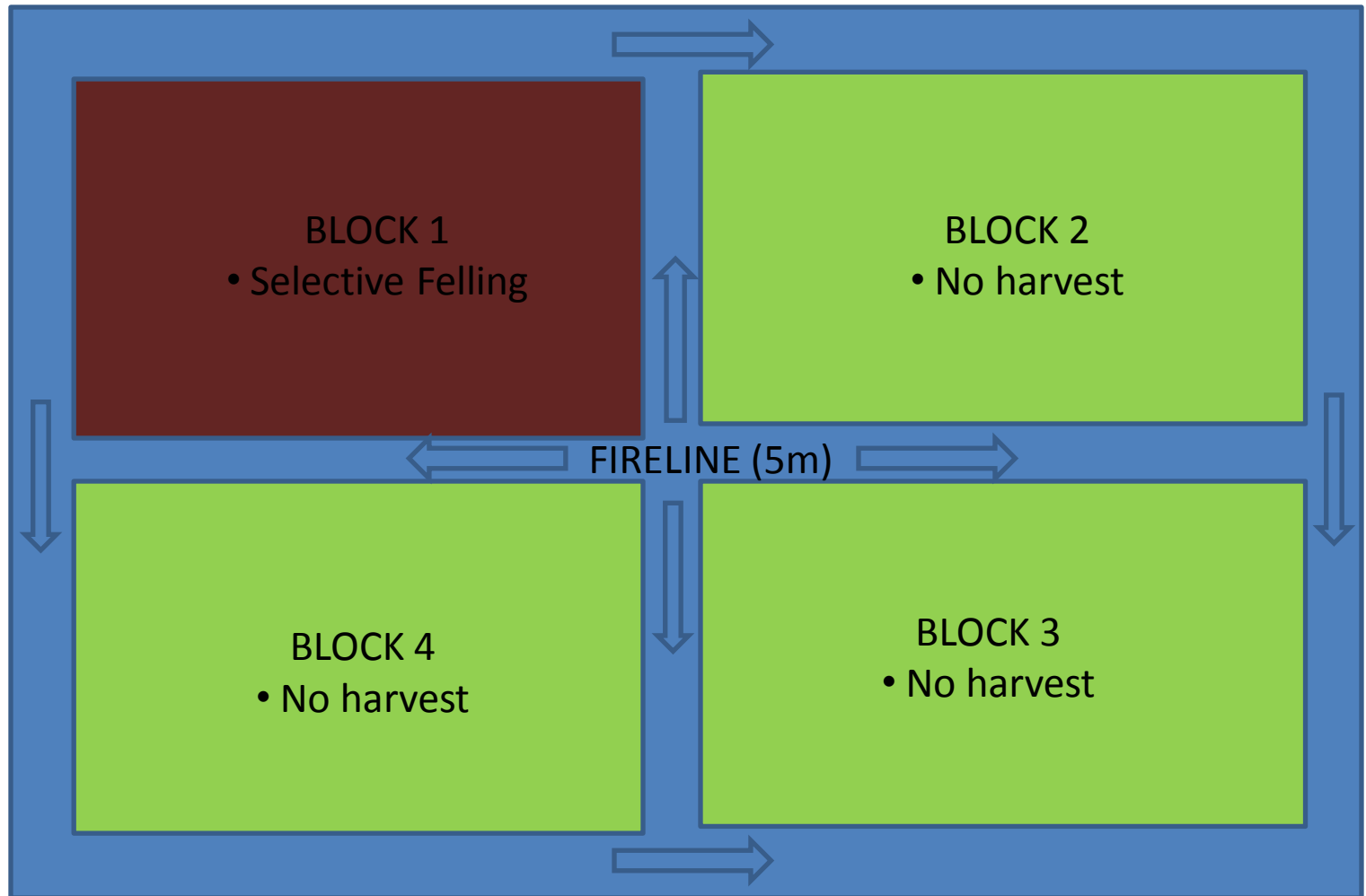
CFR Map of Jamguda



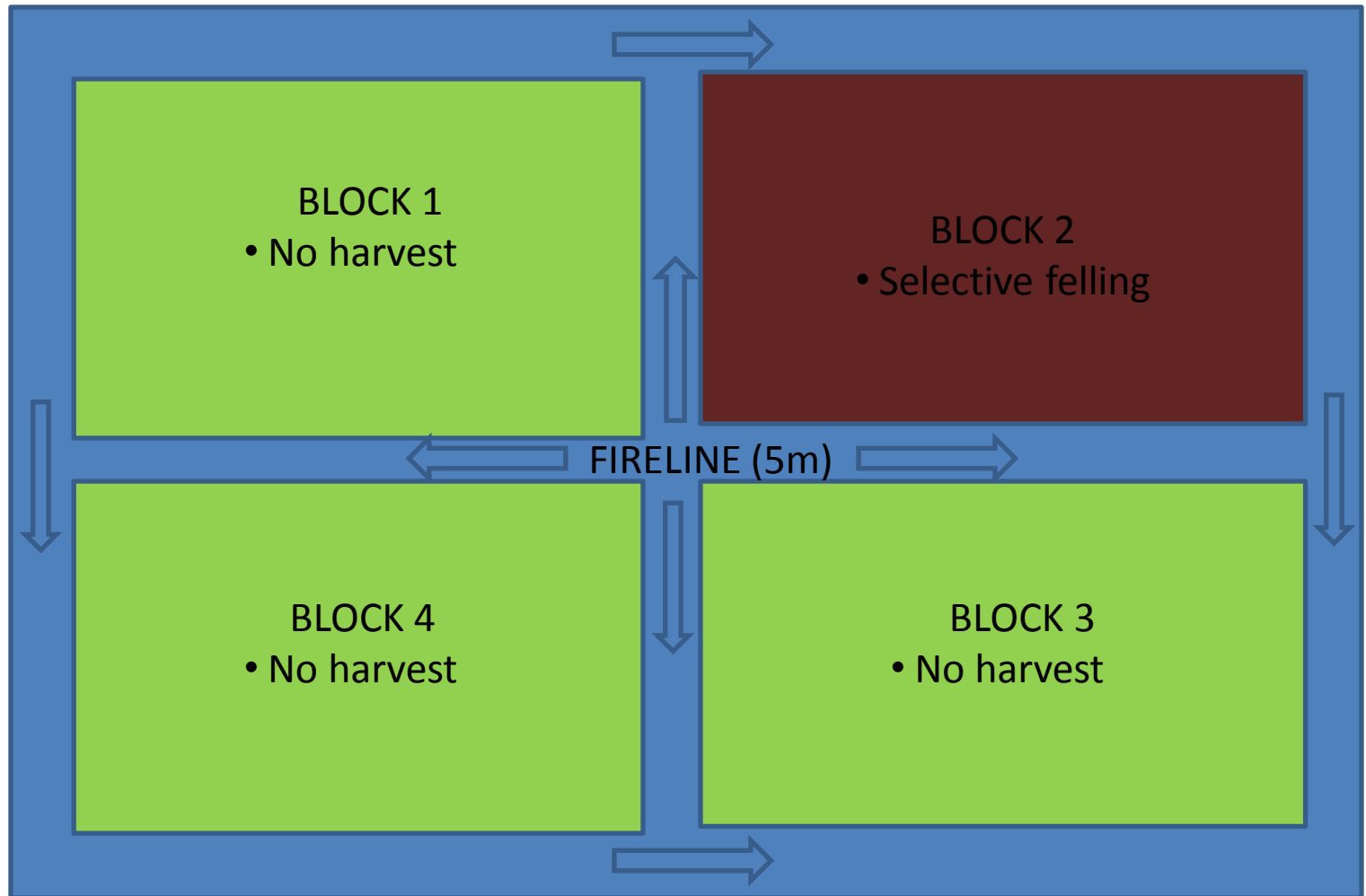
Community Management Plan



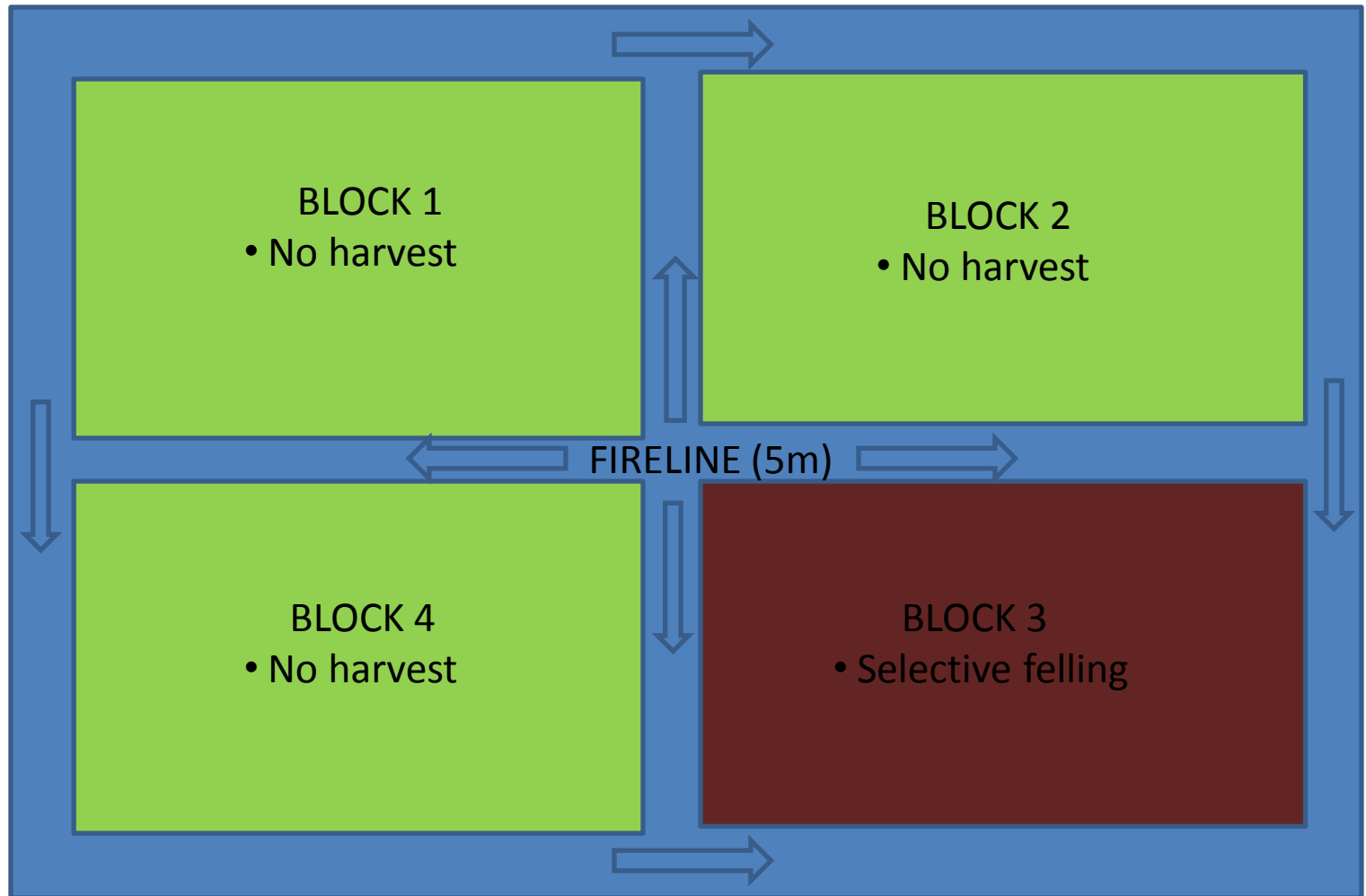
Activity Pattern for 1st Year



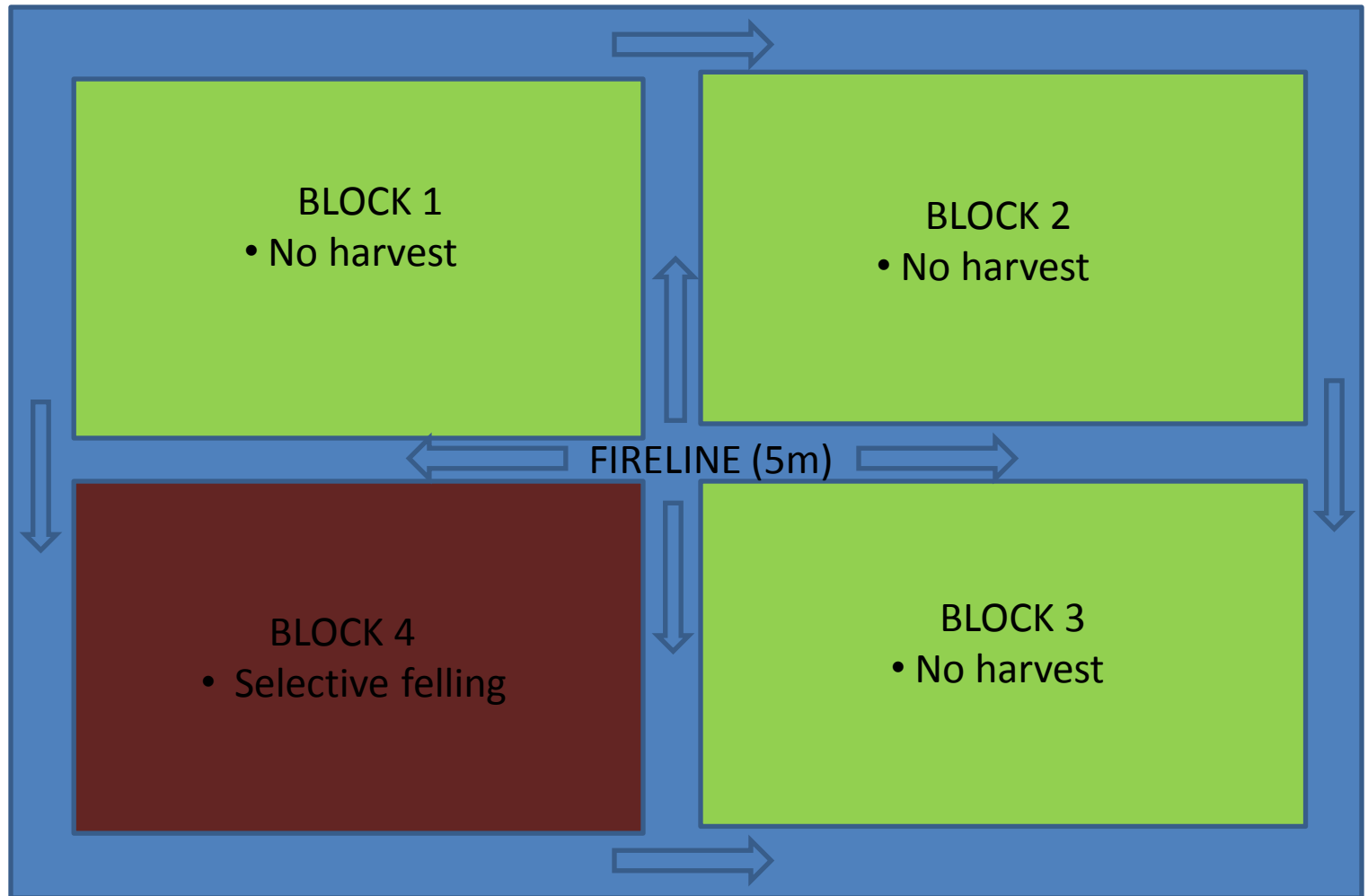
Activity Pattern for 2nd Year



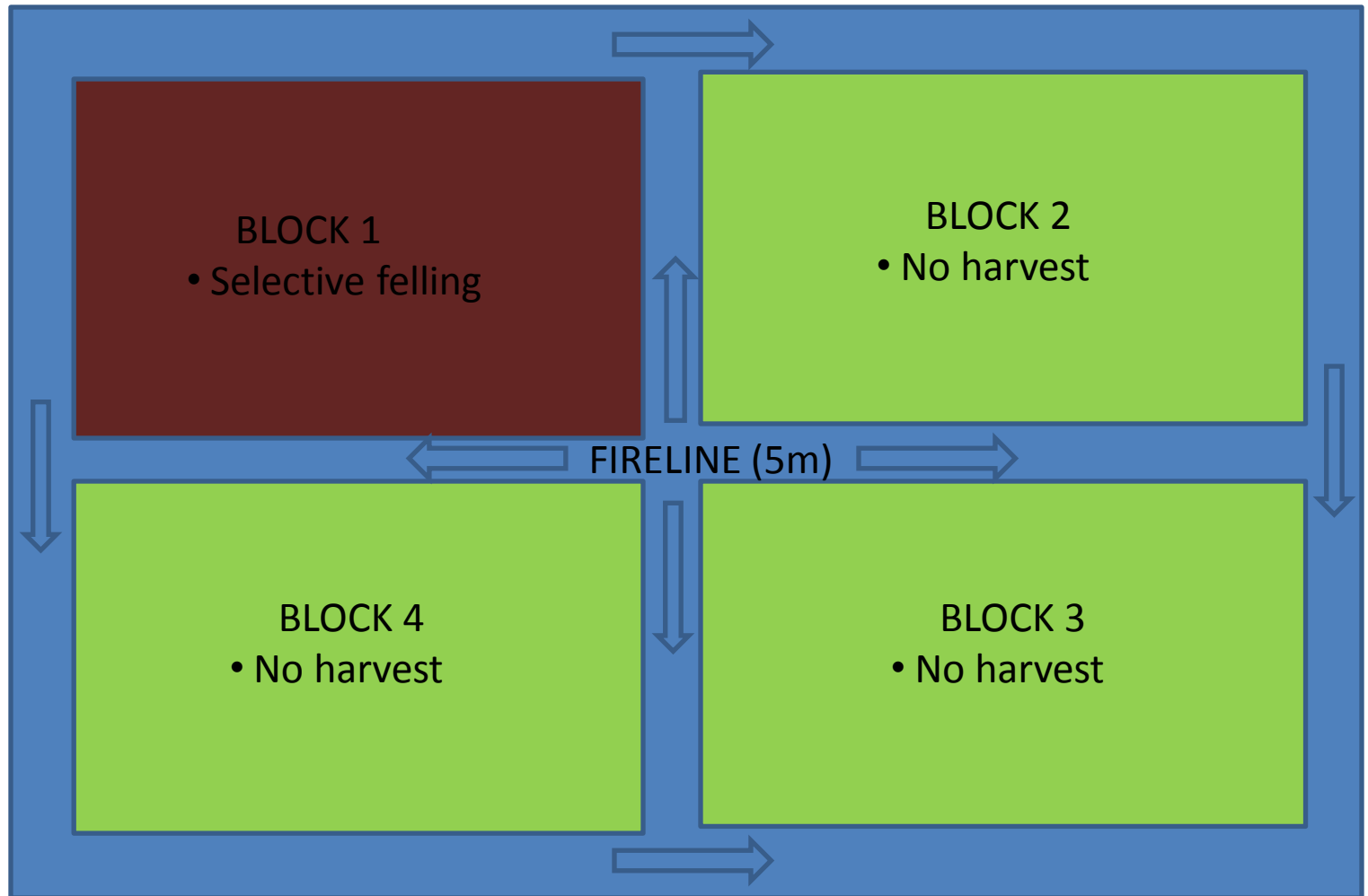
Activity Pattern for 3rd Year



Activity Pattern for 4th Year



Activity Pattern for 5th Year

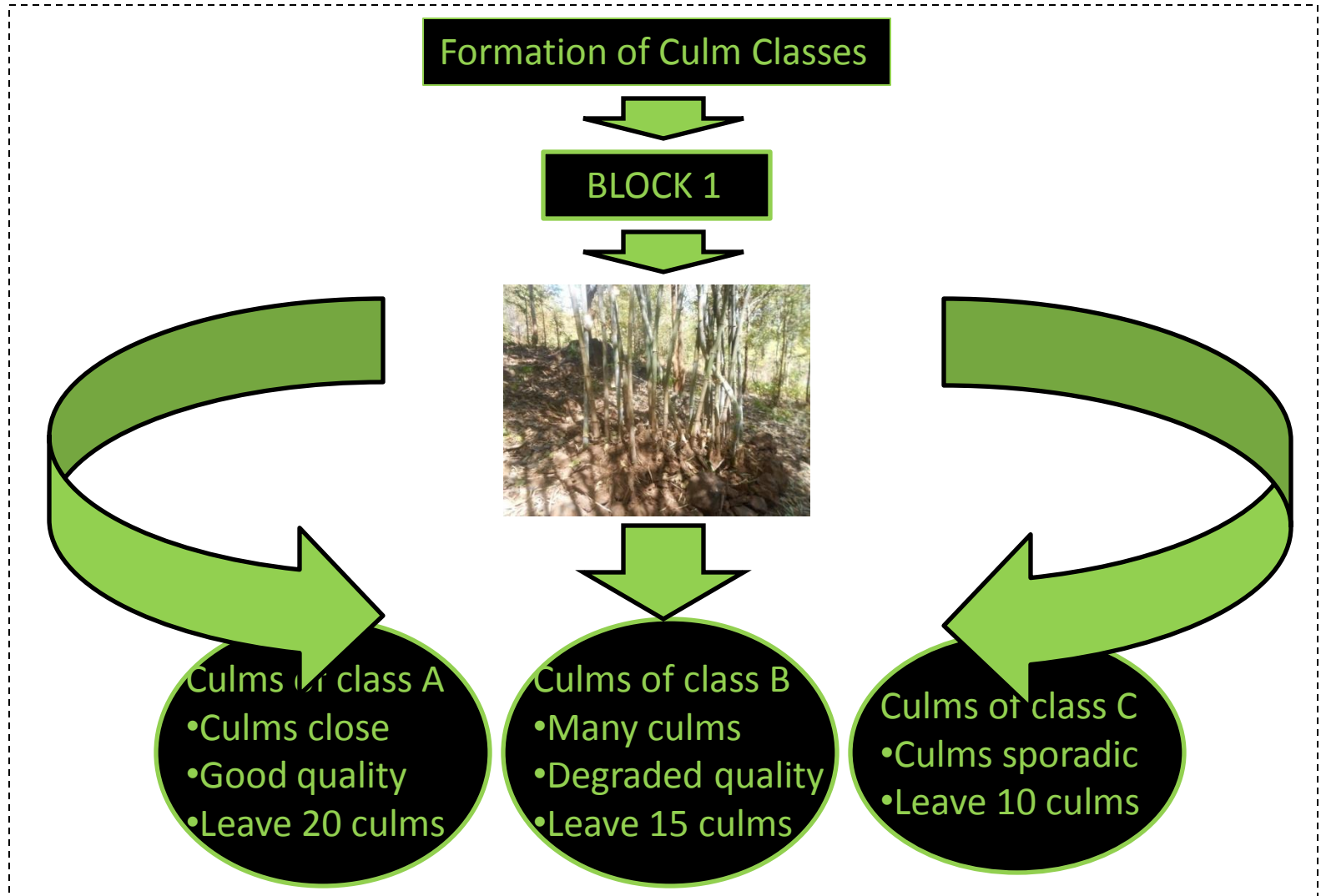




Indigenous Techniques Used

- Pre-harvesting
- Harvesting
- Post-Harvesting
- Protection

Pre-Harvesting Techniques



Pre-Harvesting Techniques

- Marking of Bamboo culms



Harvesting Techniques

Do's

- 👍 No. of new sprouts = No. of old culms
- 👍 Fell 3rd Year culm
- 👍 Harvest at
 - 45 cm above ground level
 - Above one internode from ground
- 👍 Harvest by end of May
- 👍 Use sharp instruments
- 👍 Harvest after seeds fall off

Dont's

- 👎 Fell 1st & 2nd Year culm
- 👎 Uproot culms
- 👎 Harvest between July to Sept



Post-Harvesting Techniques



Sheath Removal



Moulds



Seasoning



Stacking

Protection Techniques

- Firelines








- Destroy climbers
- Fire extinguishing

- Protection from grazing








Drawbacks & Suggestions

Drawbacks

-  No collection of seeds
-  No artificial regeneration provision
-  No plantation development
-  Silvicultural operations absent
 - Enrichment planting
 - Control burning
-  Post-harvesting techniques
 - Grading
 - Seasoning
 - Stocking

Suggestions

-  Seed Collection
-  Nursery development
-  Plantation development
-  Silvicultural operations prescription
-  Improve post-harvesting techniques

Livelihood Support



1 person = Rs. 15/- / culm
1 person can harvest 30 culms / day
i.e. 1 person = Rs. 450/- / day

According to MGNREGS
1 person = Rs. 146/- /day

3 times !!!!

Conclusion

Livelihood support

Conservation effort
useless without
local community
support

Management of
bamboo by community
unique approach

Bamboo
Working Plan
done by FD –
Long History

Community
Management of
Bamboo: Greater
chances of success



Hope this model replicates elsewhere



- Villagers of Jamguda
- Sudhansu Sekhar Deo



Thank You