

# 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**

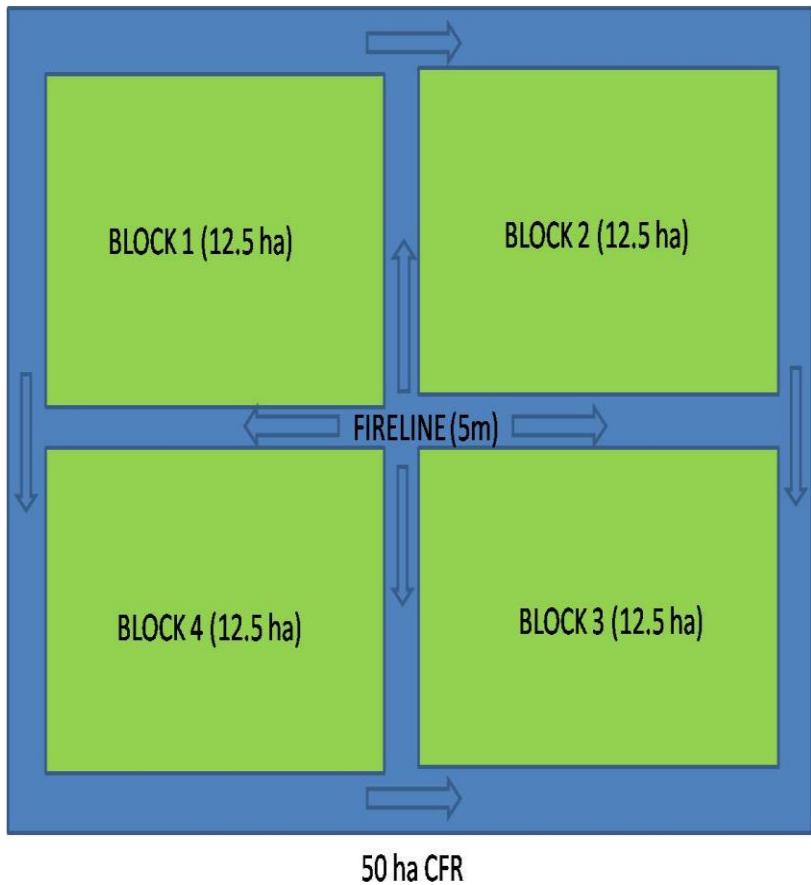
**Down To Earth**

**Another village, this time in Odisha, gets official permit to sell bamboo**  
By Express News Service - BHAWANIPATNA | Published: 04th March 2013 11:44 AM  
Last Updated: 04th March 2013 11:44 AM

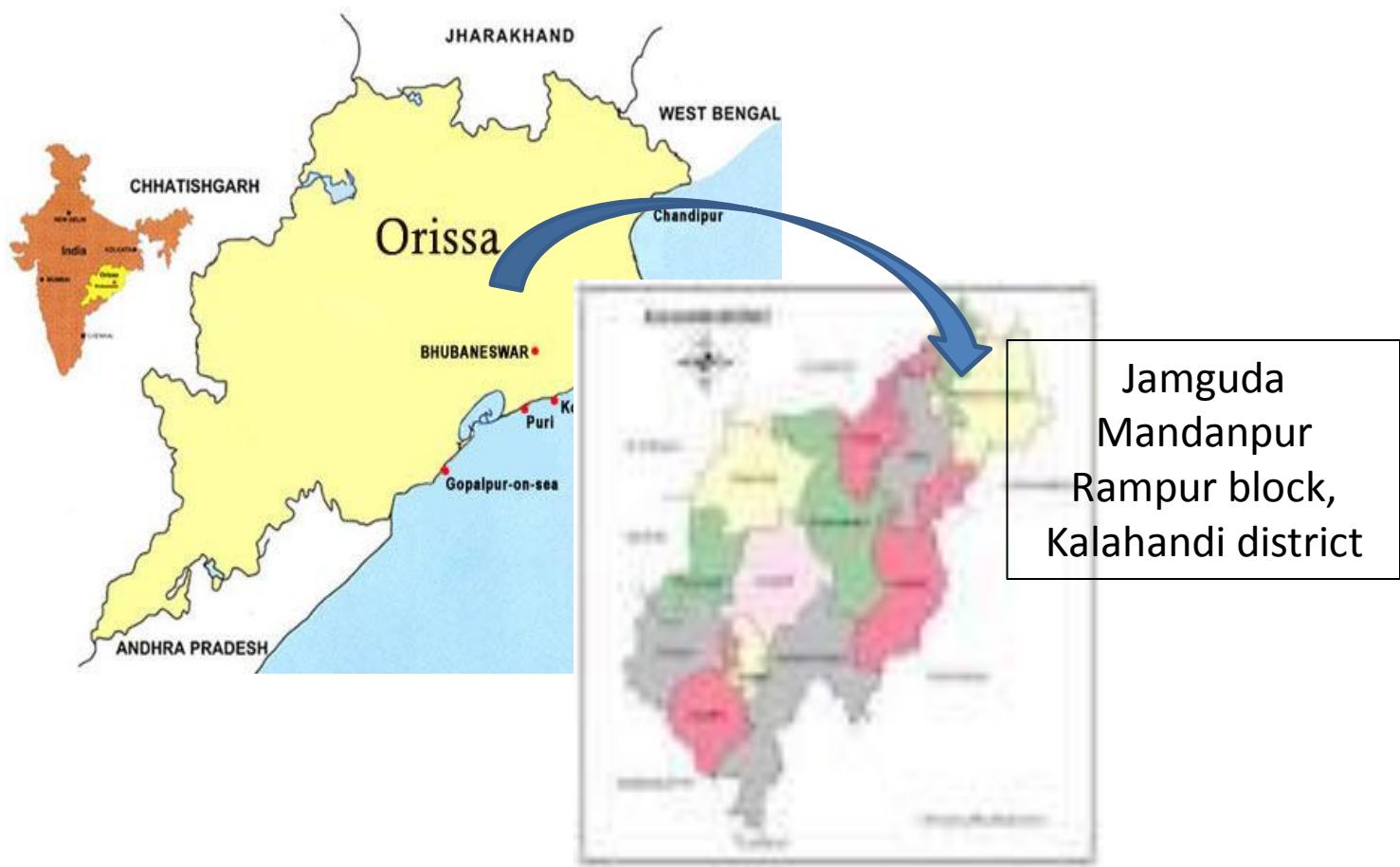
Authored By: Shalveep Kumar Dara

On Mar 4, 2013  
Through Jamguda was a confirmed community forest right two years ago, it was not allowed to cut bamboo out or sell it in the market.

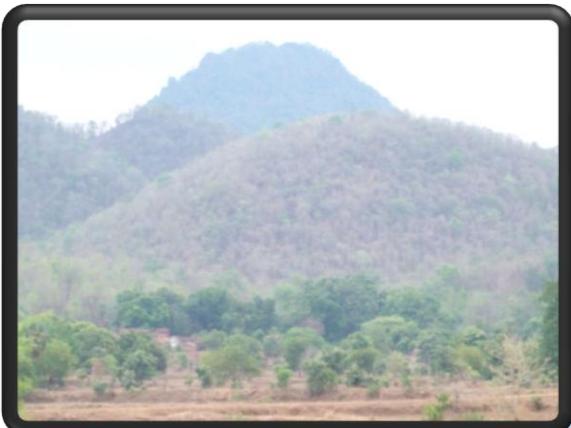
## Community Management Plan



# Study Area



# Bamboo Forest of Jamguda



Norla range of Kalahandi North  
forest division

*Dendrocalamus  
strictus* (Salia)  
forest of 50 ha



Bamboo flowered in 2013

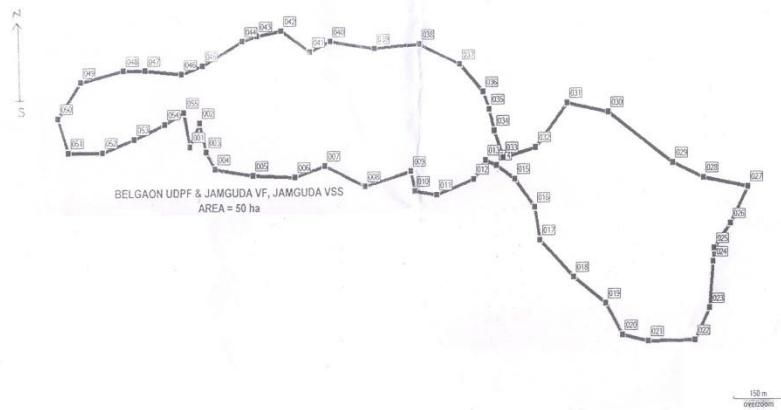


# Development of Community Management Plan

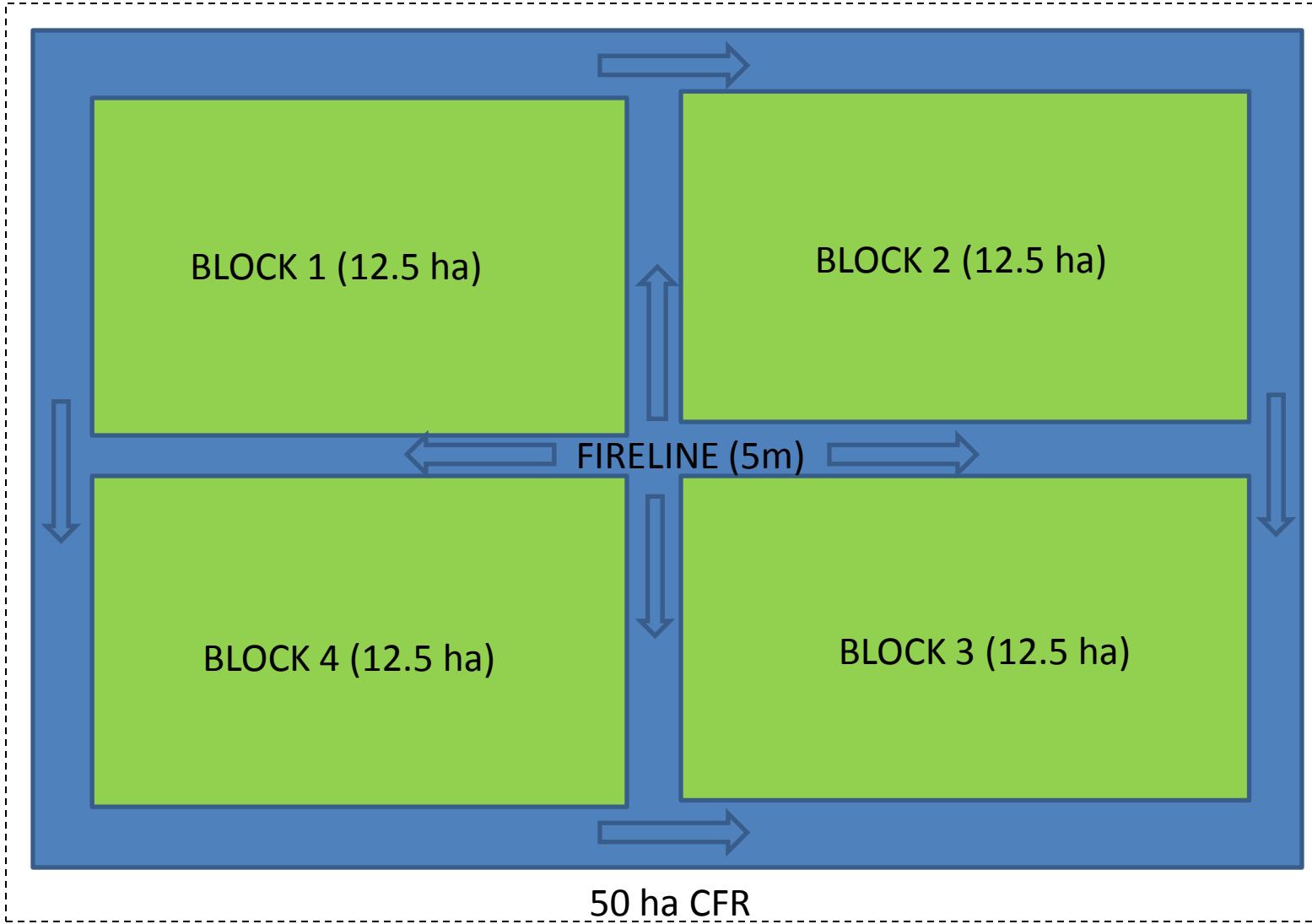
Discussions between bamboo expert and community



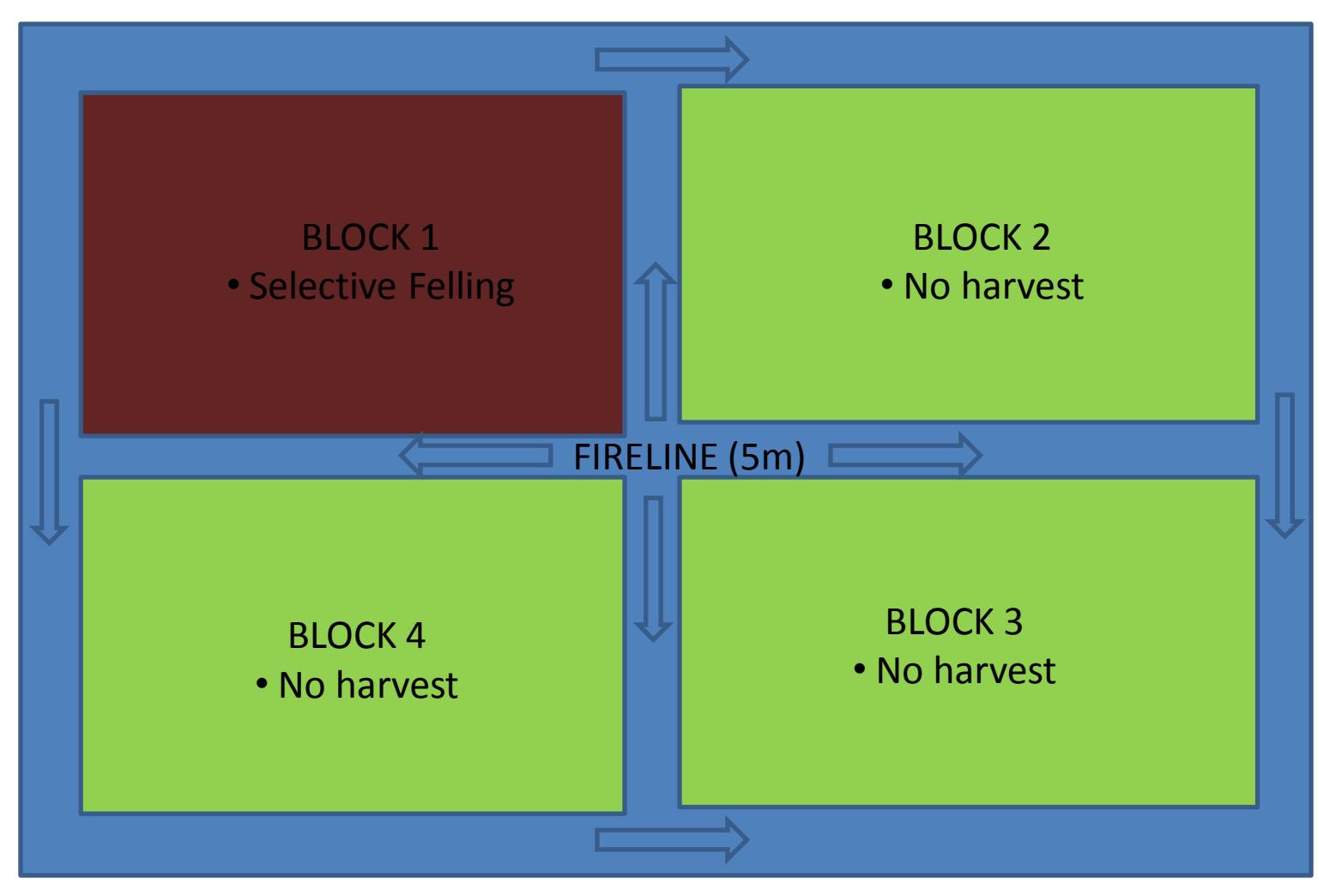
CFR Map of Jamguda



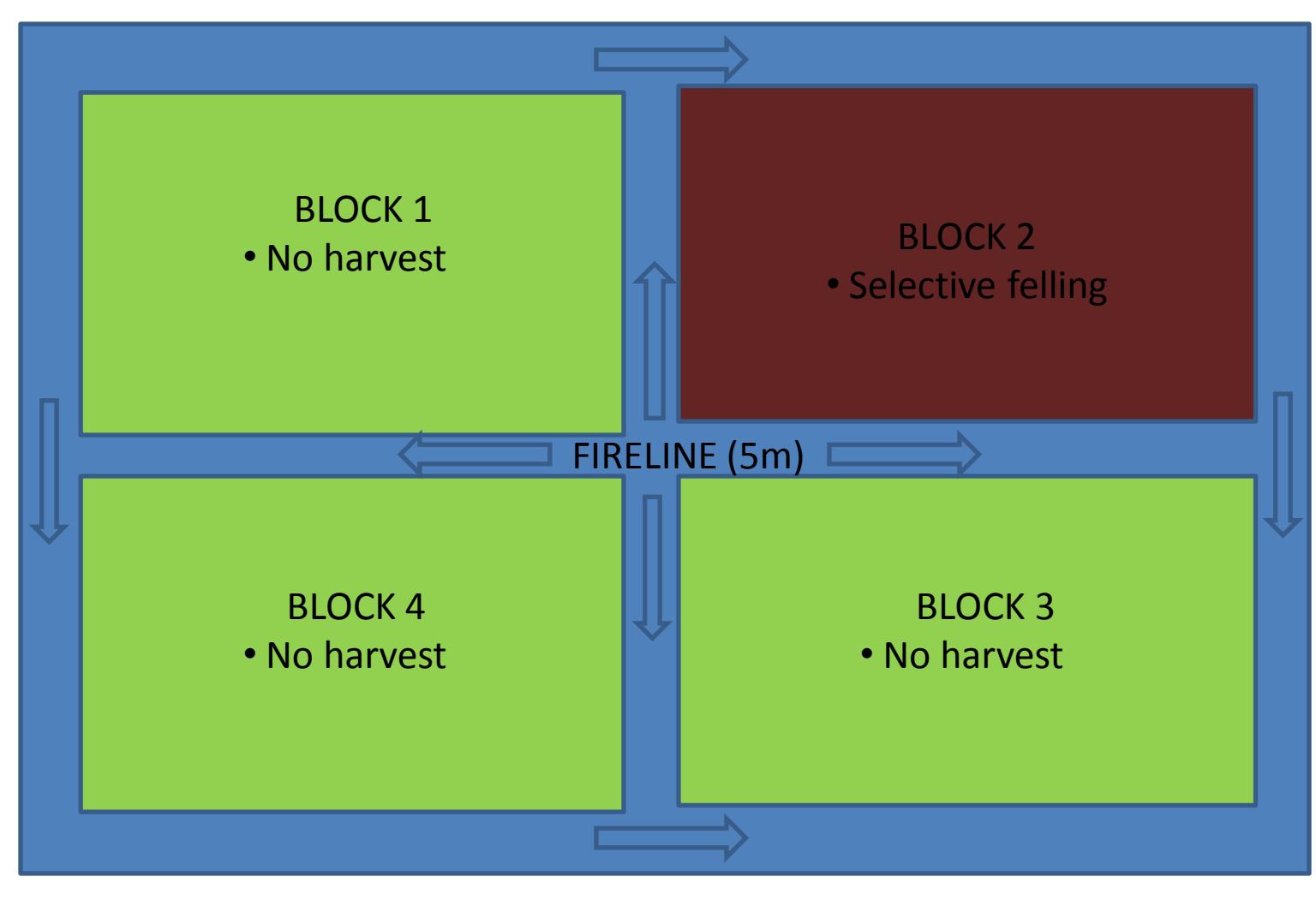
# Community Management Plan



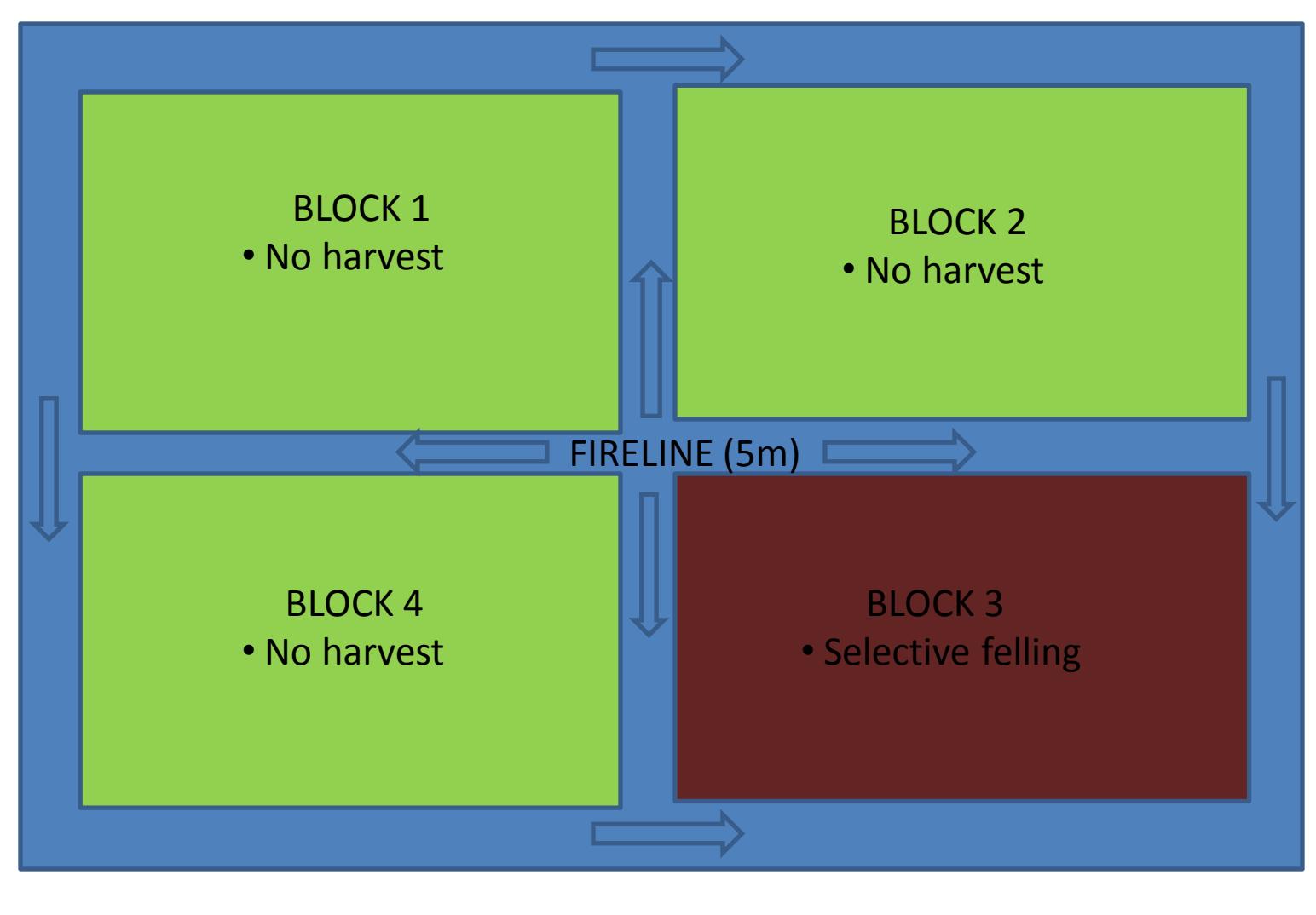
# Activity Pattern for 1<sup>st</sup> Year



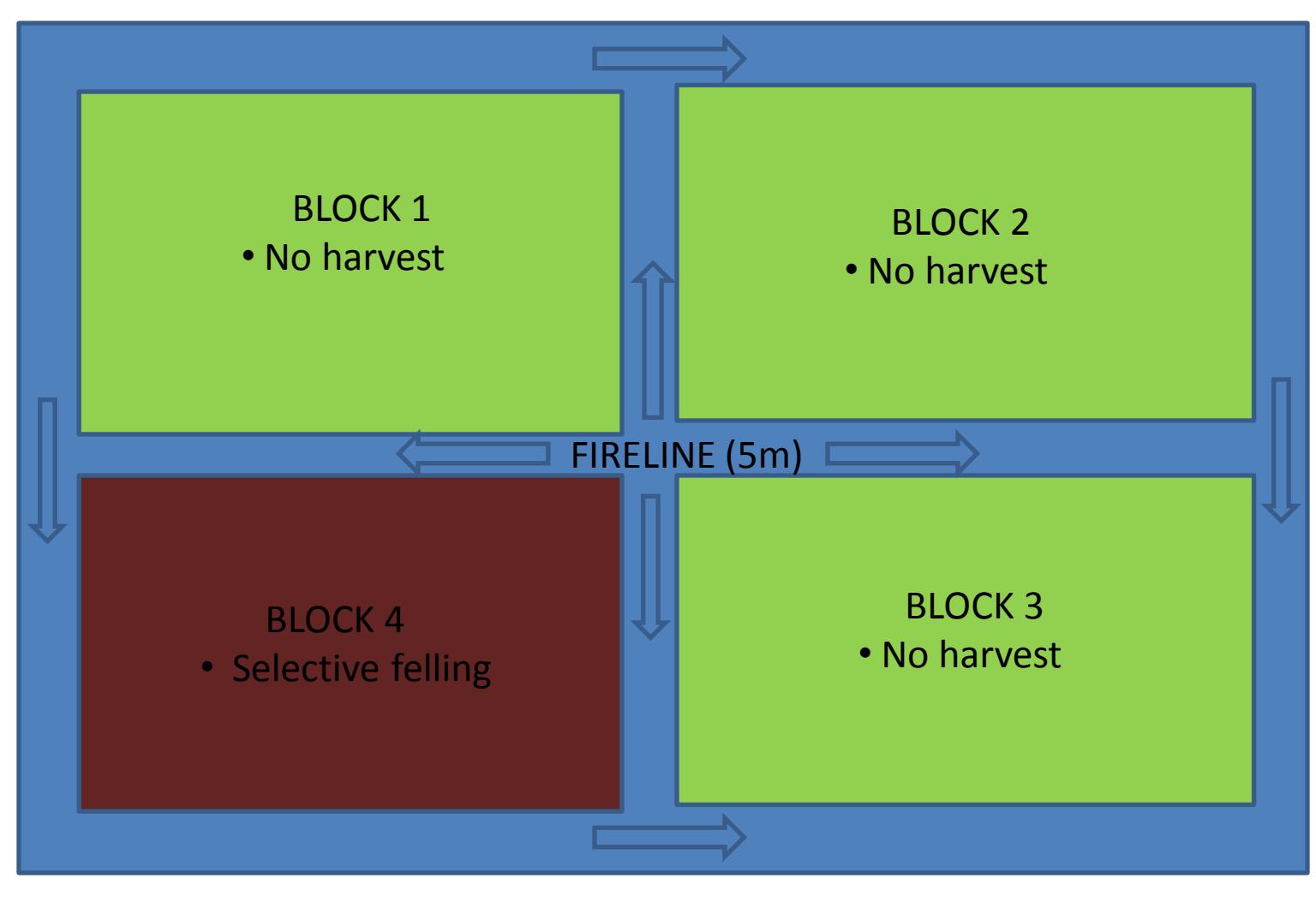
# Activity Pattern for 2<sup>nd</sup> Year



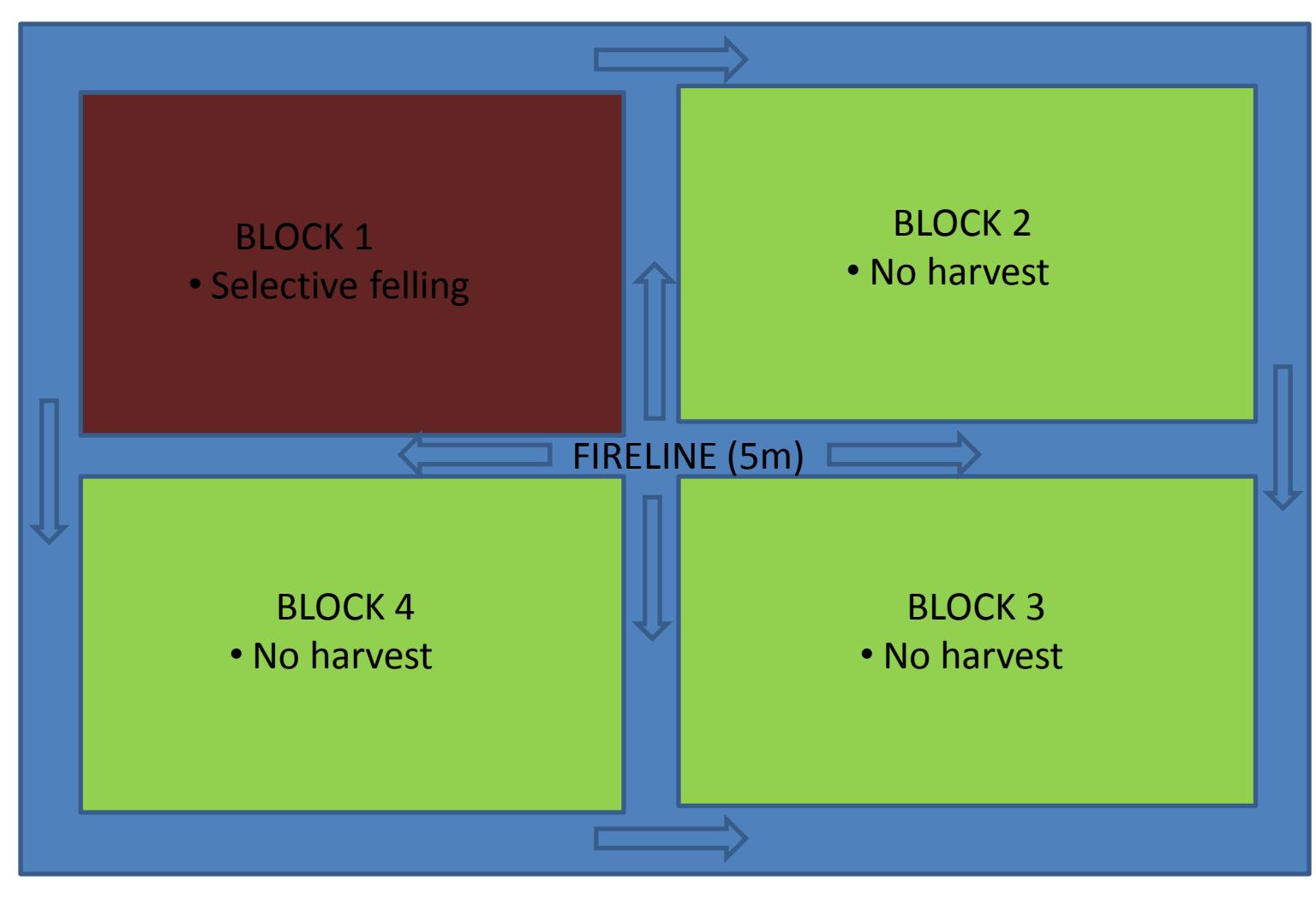
# Activity Pattern for 3<sup>rd</sup> Year



# Activity Pattern for 4<sup>th</sup> Year



# Activity Pattern for 5<sup>th</sup> Year

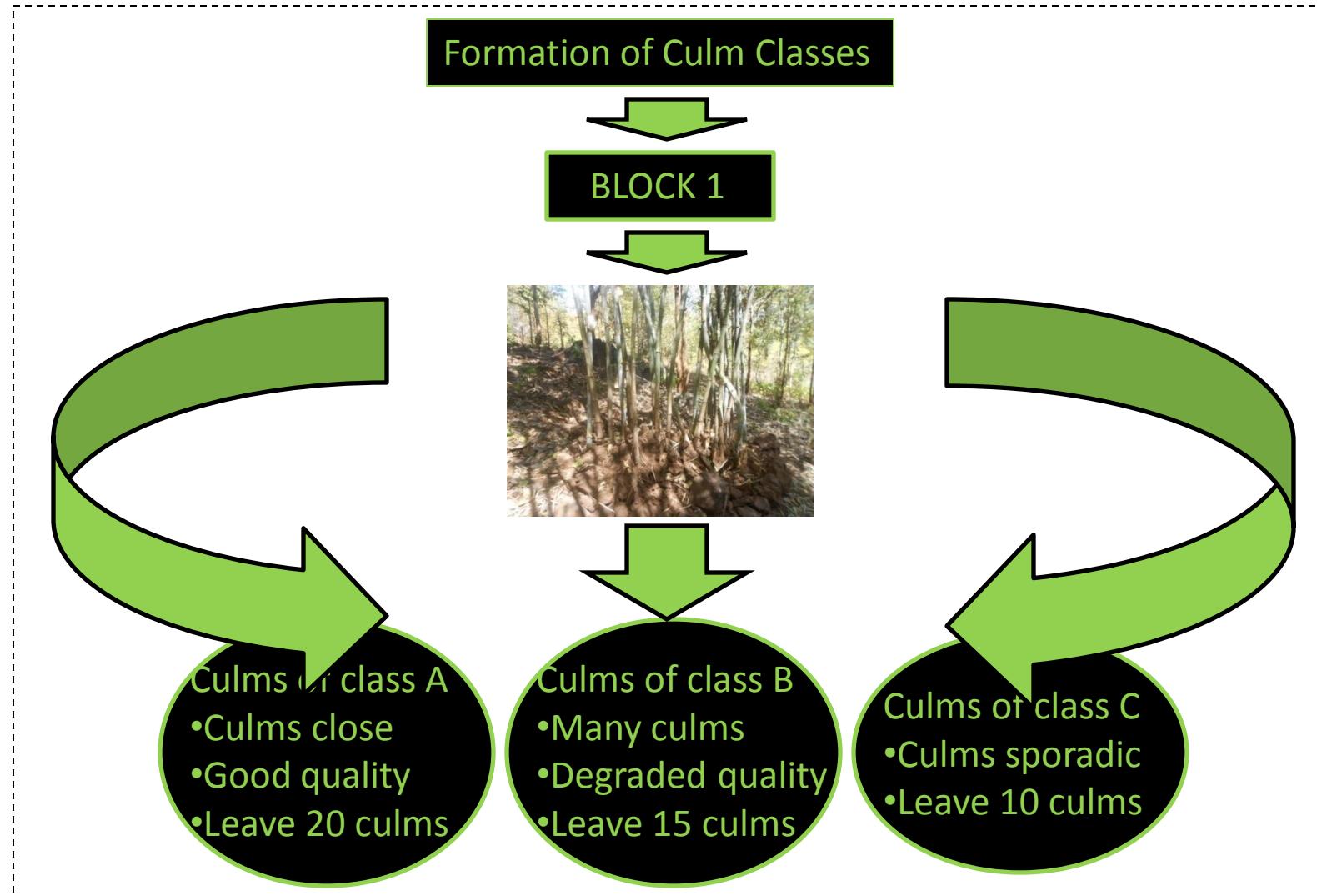




# Indigenous Techniques Used

- 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 3<sup>rd</sup> 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 1<sup>st</sup> & 2<sup>nd</sup> Year culm
- 👎 Uproot culms
- 👎 Harvest between July to Sept



# Post-Harvesting Techniques



Sheath Removal



Moulds



Seasoning



Stacking

# Protection Techniques

- Firelines



- Protection from grazing



- Destroy climbers
- Fire extinguishing





# 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



6  
1 person = Rs. 15/- / culm  
1 person can harvest 30 culms / day  
i.e. 1 person = Rs. 450/- / day

7  
According to MGNREGS  
1 person = Rs. 146/- /day

3 times !!!!

# Conclusion

Conservation effort  
useless without  
local community  
support

Livelihood  
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



Hope this model replicates elsewhere

- Villagers of Jamguda
- Sudhansu Sekhar Deo



Thank You