



काठमाडौं फरेष्ट्री कलेज  
KATHMANDU FORESTRY COLLEGE

(Affiliated to Tribhuvan University)

# **Fitting Regression Models for Sustainable Management of Non- Timber Forest Products in Government Forests and Private Lands: A Case Study from Mid-Western Region of Nepal**

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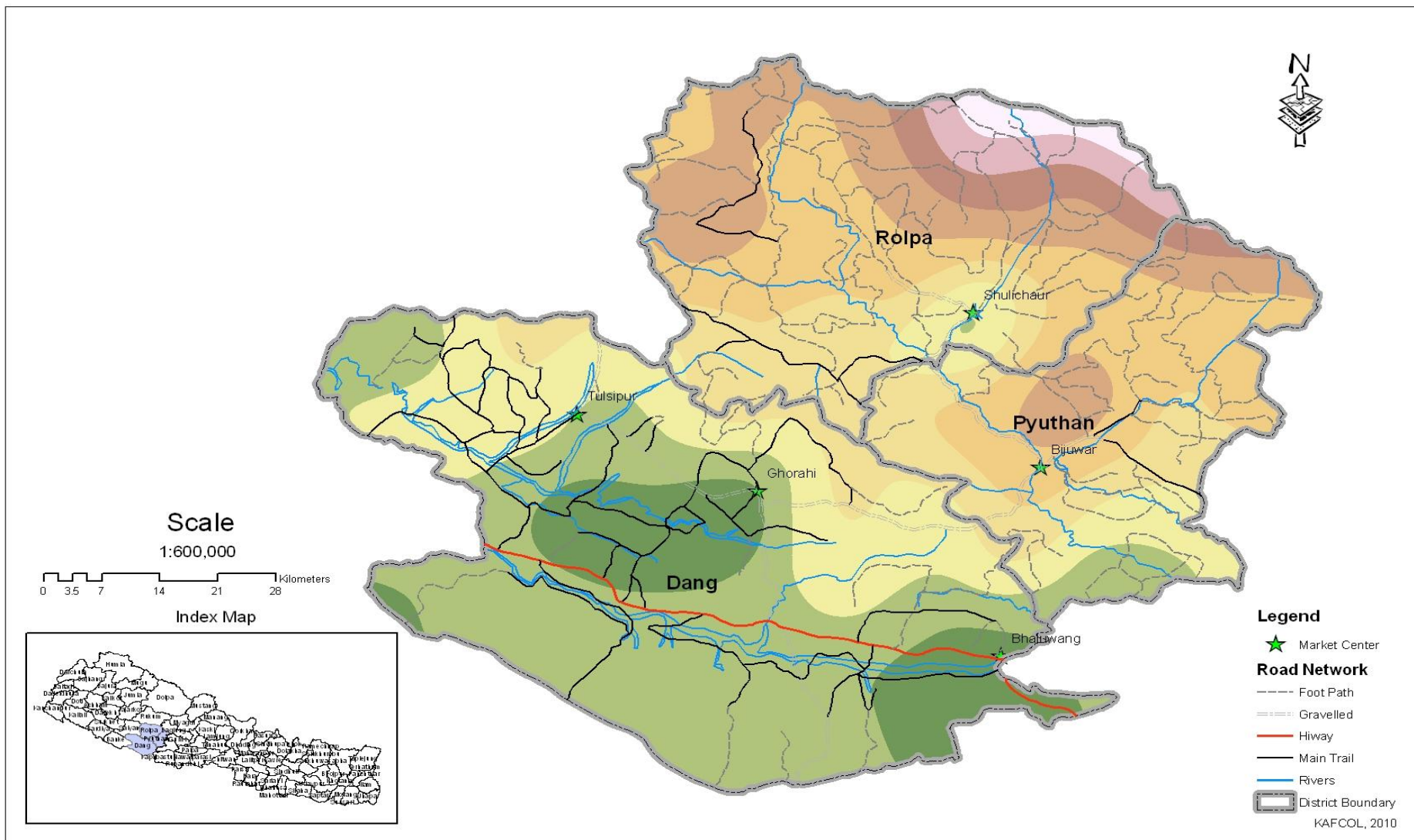
# Map of Study Districts



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## Distribution Map of Selected NTFPs





# Objective of the study and Study area characteristics

## **Main objective**

To investigate the influencing factors for the management of Non-Timber Forest Products in government and private forest lands

## **Basic characteristics**

- Hills and mountains
- Sub-tropical to sub-temperate cold climate
- Poverty stricken area, where Maoist insurgency movement started
- Almost half of the forests are managed by communities as community forests

# Methods or tools used for data collection



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## 1. Focus Group Discussion



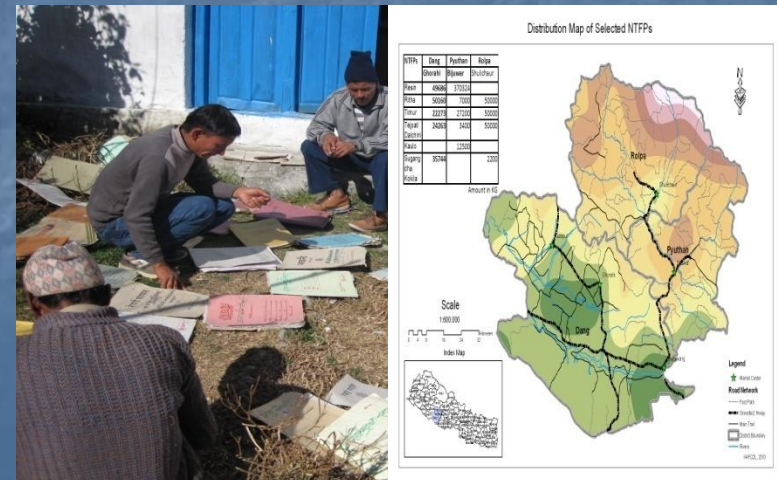
## 2. Household & KI interview



## 3. CFUG office visit



## 4. Office record & GIS mapping



- More than 700 MAPs are found in Nepal, but many of them are threatened due to over harvest.
- Upper zone: above 1500 m

*Nardostachys grandiflora*



*Taxus baccata* (Lauth Salla)



*Swertia chirayita*



# Lower elevation below (1500 M)

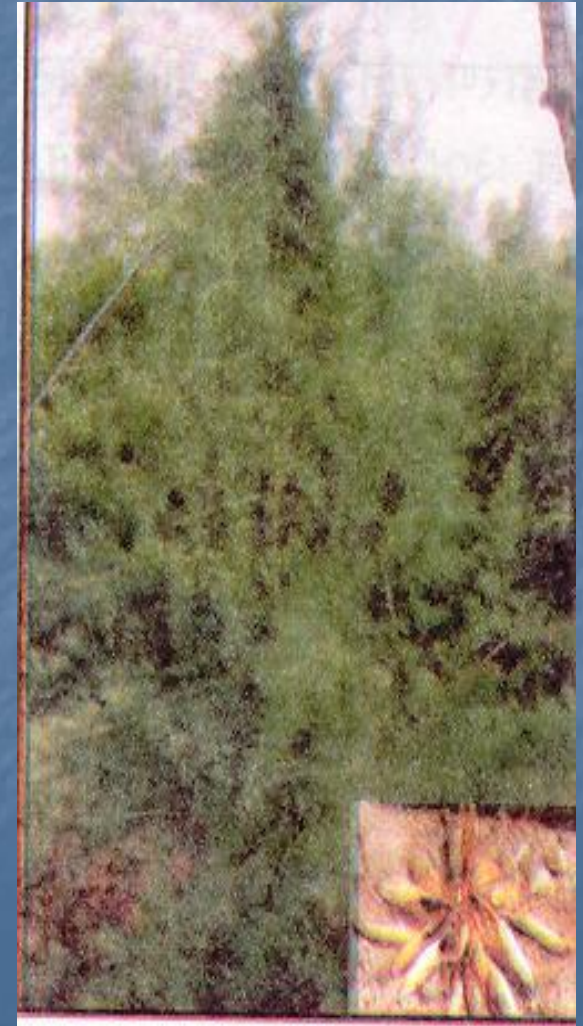
*Emblica officinalis*



*Zanthoxylum armatum*



*Asparagus recemosus*



# Distribution Pattern of Selected NTFPs by Source of Production



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Priority NTFPs	NTFP distribution		
	Government forest	Community forest	Private land
1. Pine	46	54	-
2. Soap nut	-	-	100
3. Prickly ash	10	40	50
4. Bay Leaf	-	40	60
5. Kaulo bark	40	60	-
6. Sugandha Kokila	40	60	-
Average	23	42	35

# Influencing Factors

## **Private land NTFP management**

- Complicated NTFP registration
- Labor force involved in marginal land NTFP cultivation
- Training on forest management
- Market uncertainty

## **Government Forest management**

- Open access
- Training on forest management
- Affiliation to CBOs/CFUGs
- Distance from forests
- Ban on collection and export of some NTFPs in raw form



# Recommendations

- Mass awareness and training on policy and legal issues (Private NTFPs , royalty etc)
- Provide incentives for private land forest or NTFP growing.
- Increase hand over of government forest to land-less people for management and use as leasehold forest within Community forest
- Promote pro-poor focus group marketing (a pro-poor focus model is presented below)

Forest resources



Forest User Group Fund



Membership

Employment



Poor get Benefits in Four ways

Private sector

Market

Poor collectors

Bonus

Share dividend

Forest based enterprise





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Thank You

2010 has passed by:



Now we are facing 2011



There may be risks  
involved



We may need to face  
roadblocks



So stay alert





Share time with friends



## Jump over obstacles





with care



and caution

no dawdling



## Face challenges



Remember to  
laugh



Cooperate





Discover



Make new friends



Above all ... be  
ready for adventure



Stick  
together



And you will be able  
to go far



Very far...



Well, not quite that  
far ...



Always take time to smell the flowers

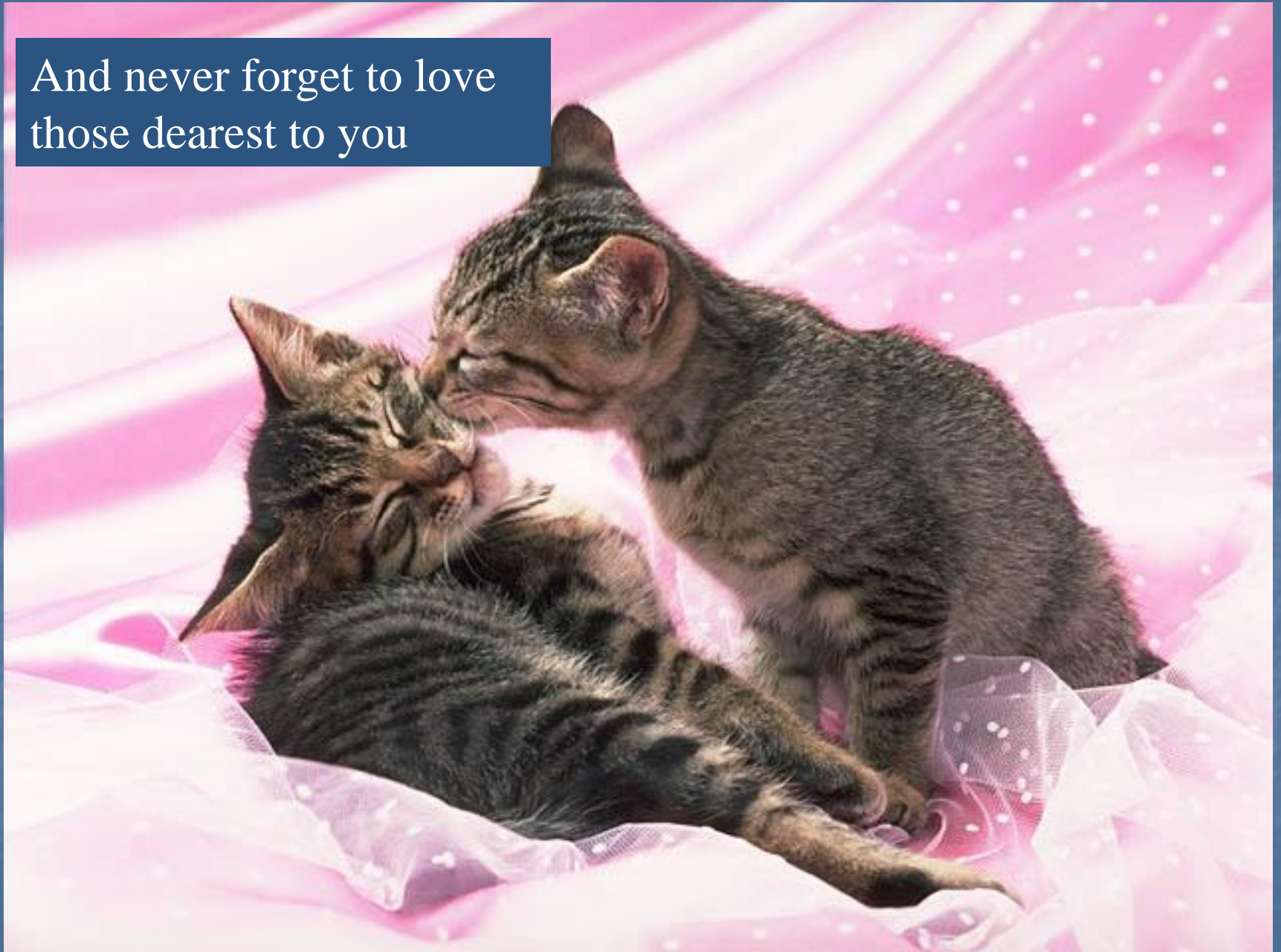




Dont; forget  
to enjoy and  
relax



And never forget to love  
those dearest to you





**A VERY HAPPY & PROSPEROUS**

**NEW YEAR-2011**

**TO YOU AND YOUR FAMILY**

*With Love and Prayers*