



# GÌN GIỮ THIÊN NHIÊN, VĂN HÓA LÀ GÌN GIỮ TƯƠNG LAI SAVE NATURE, SAVE CULTURE, SAVE FUTURE

## Community-based forest management in Bidoup-Nuiba National Park, Vietnam

Do Van Ngoc, Vice director  
Bidoup-Nuiba National Park, Vietnam





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Being a corridor connecting two the highest mountains of  
Langbiang plateau



**BiDoup mountain 2.287 m**



**Langbiang mountain 2.167 m**



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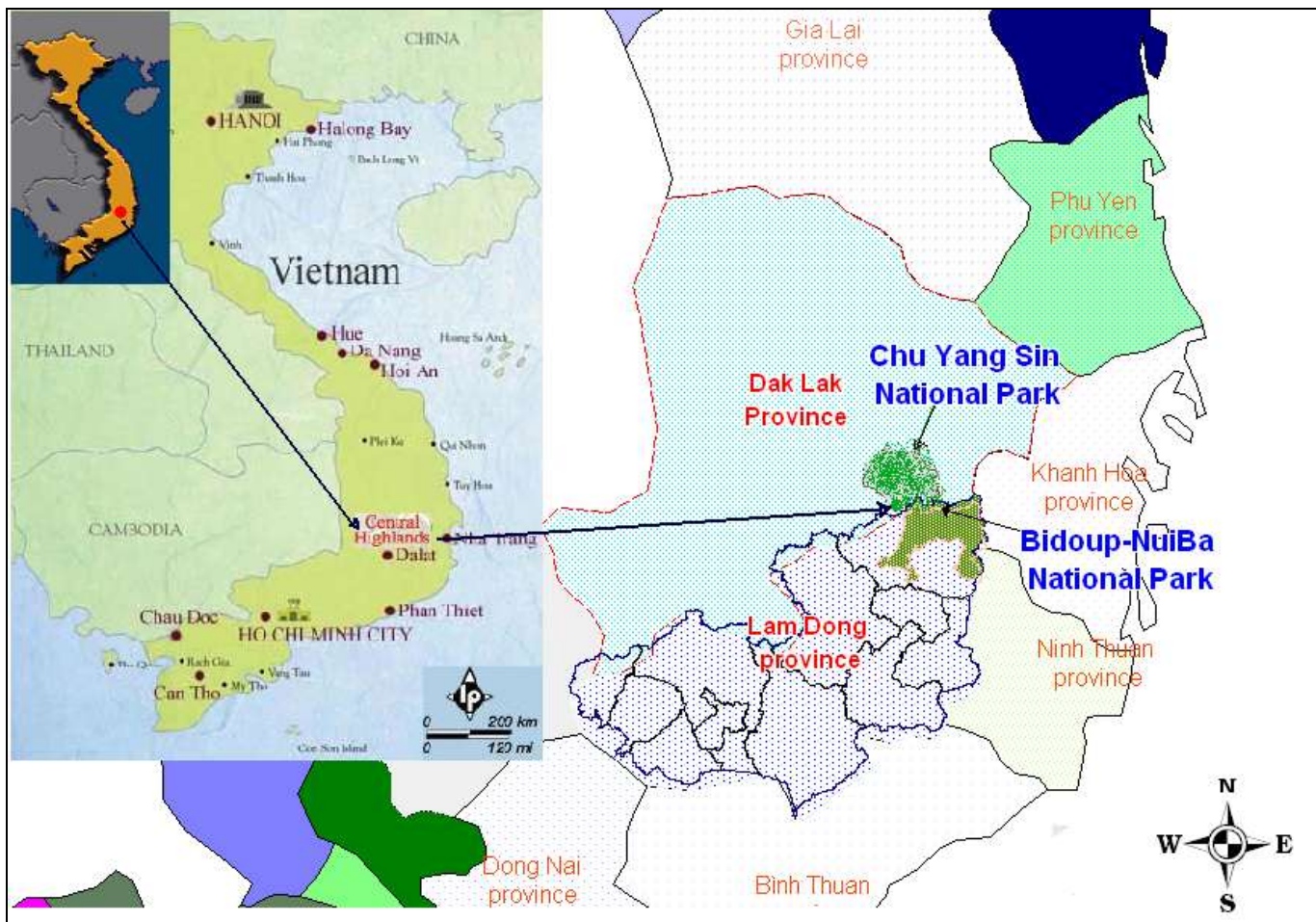
## **I-BACKGROUND INFORMATION**

- Established on November 19, 2004 by a decision of the Prime Minister
- Area: **70, 038 ha**
- Representative office: 5E Tran Hung Dao street– Da Lat city – Lam Dong province, Vietnam
- Tel: 063.823953; Fax: 063.813654
- Email : [bidoupnuiba@vnn.vn](mailto:bidoupnuiba@vnn.vn)





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## **II. NATURAL RESOURCES AND BIODIVERSITY**

### **2.1- Ecosystems**

- Evaluated as one of four centers of biodiversity of Vietnam;
- The area covered by primary forests: over 91%;
- Comprising the following ecosystems:



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1- Tropical rain ever-green closed forest: 20,850 ha







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2- Coniferous and broad-leaved mixed closed forest:  
14,038 ha.





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### 3. Sub tropical coniferous sparse forest: 20,614 ha







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#### **4. High mountain short forest: 402 ha**







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## 5- Mossy forest





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### **6- Other ecosystems**



**-Savanna;**

**-The Bamboo and broad-leaved mixed forest;**

**- A branch of Mekong river.**







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### 2.2- Diversity in species:

- Plant:
  - + More than 1,900 species of vascular plant including: 161 families, 673 genera, of which:
    - 91 endemic species;
    - 62 rare and endangered species listed in the Red Book of Vietnam



*Pinus krempfii*



*Fokienia hodginsii* with the diameter over 3 m



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### Diversity in orchid



Tục đoạn (*Pholidota convallariae*)



Can đặm (*coelogyne mooreana*)



*Dendrobium bellatulum*



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Newly discovered species



*Clanthe duyana* Aver



*Vanda bidupensis* Aver. et Christ



*Corybas annamensis* Aver





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### **Animal:**

- Four classes:
  - Mammal, bird, reptile, and amphibian
  - Including 95 families and 382 species.

Of which:

- 36 species listed in the Red Book of Vietnam



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## Primate



*Nycticebus pygmaeus*



*Macaca fascicularis*



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## **Mammal**



*Bos gauros*



*Martes flavigula*





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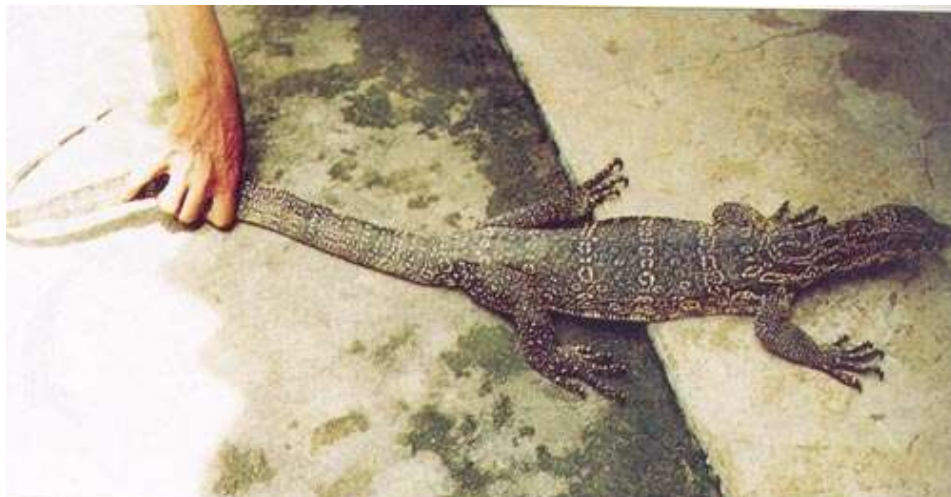
## Reptile



*Naja naja*



*Acanthosaura lepidogaster*



*Varanus salvator*



*Indotestudo elongata*



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## Amphibian



*Feihyla palperalis*



*Rhacophorus calcaneus*



*Phyllautus gryllus*



*Rana montivaga*





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### Birds

- Being one of 221 the world's Endemic Bird Areas.
- 3 Important Bird Areas of the country: Langbiang; Cong Troi and Bidoup.



*Crocias langbianis*



*Garrulax yersini*

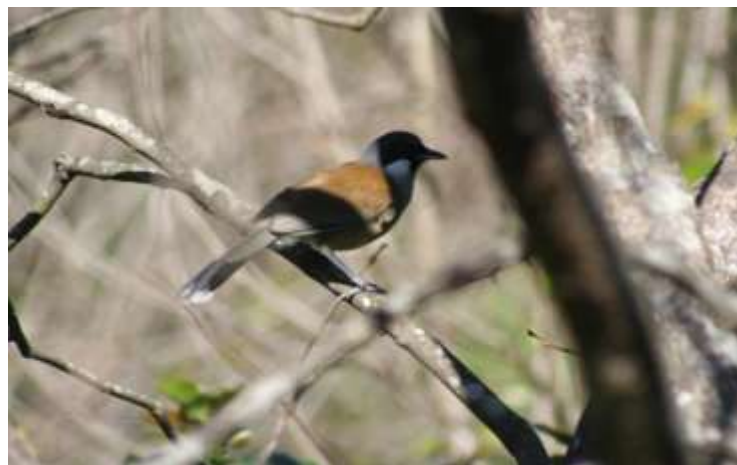




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*Garrulax leucolophus*



*Garrulax vassali*



*Cutia nipalensis*



*Carduelis monguilloti*



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### **III. COMMUNITY-BASED FOREST MANAGEMENT IN BIDOU-NUIBA NATIONAL PARK**

**WHY COMMUNITY-BASED FOREST MANAGEMENT ?**





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## **CHALLENGES**

### **ILLEGAL LOGGING**



### **TRAPPING , SNARING**

### **POVERTY**



### **POVERTY**

### **ENCROACHMENT**



### **OVER EXPLOITING NTFP**



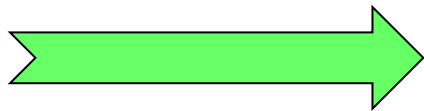
### **FOREST FIRE**





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**It is important to improve livelihood for local community**



**Necessary to build a mechanism of community-based forest management aimed at improving livelihood for local people through involving them in activities of forest management in the park.**

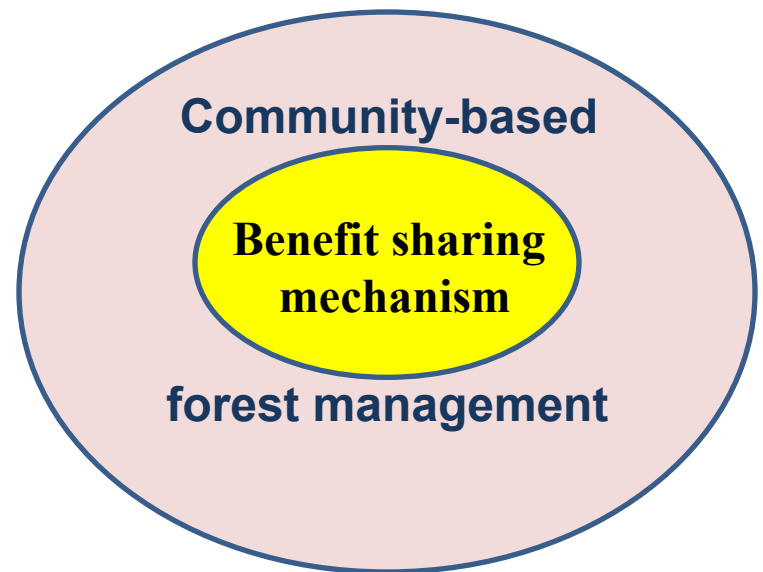




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## **PRINCIPLE OF COLLABORATIVE FOREST MANAGEMENT WITH LOCAL PEOPLE**

To build a benefit sharing mechanism from forests and comprehensive ecosystem services based on clearly identifying the roles, responsibilities, benefits and obligations of forest owner and local community is a decisive principle of community-based forest management in the park.





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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **I. Forming legal foundations for community-based forest management**

- Consulting local communities in building The Operational Management Plan of the park; Discussing with local people on rights, benefits, responsibilities and obligations of local people and the park in forest management activities;
- Establishing Villages Regulations in five target villages under JICA-Bidoupnuiba project;







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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **I. Forming legal foundations for community-based forest management (cont.)**

- Establishing A Regulation on Collaborative forest management with Local People in a village under EU funded TFF project;
- Building Benefit Sharing Mechanisms in five target villages under JICA-Bidoupnuiba project and other two villages under WB funded VCF project.





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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **II. Livelihood improvement**

- Allocating forests to local people to protect (PFES program)

Year	2011	2012	2013
Area (ha)	48,679.92	49,695.76	52,689.75
Number of HHs	1,335.00	1,366.00	1,466.00
Budget (VND)	11,203,412,288.00	16,247,909,520.00	17,141,430,200.00
Average/HH/year	8,392,069.13	11,894,516.49	11,692,653.62



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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **II. Livelihood improvement (cont.)**

- Involving local people in the activities of planting, maintaining, tending forests;
- Building livelihood development models for local HHs: Planting banana, raising pigs, ducks, chickens under VCF project
- Building the models of Environmental Friendly Livelihood Options under JICA project for local HHs in target villages: organic coffee, safe vegetable cultivation







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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **II. Livelihood improvement (cont.)**

- Establishing a **Revolving Credit Fund** in a village under TFF project (10,000 EURO) ;
- Establishing **Revolving Fertilizer Funds** and **Village Development Funds** in target villages under JICA project;
- Involving local people in the activities of Community-based Ecotourism:
  - ✓ **Environment interpreter on trails and in Visitor Center**
  - ✓ **Providing tourism services: Transporters, Porters, Food**
  - ✓ **Gong performance**
  - ✓ **Selling traditional weaving products**



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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**







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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**







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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **III. Capacity Strengthening**

- Trained on Identification, propagation and sustainable utilization of NTFP;
- Trained on collaborative forest patrolling;
- Trained on identification of species of high conservation values





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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **III. Capacity Strengthening**

- Trained on techniques of cultivating species provided by the projects
- Trained on techniques of organic coffee and safe vegetable cultivation through FFSs





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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **III. Capacity Strengthening**

- Trained on tourism guide, environment interpreter;
- Trained on first aid
- Trained on English for tourism
- Trained on gong performance
- Trained on brocade weaving



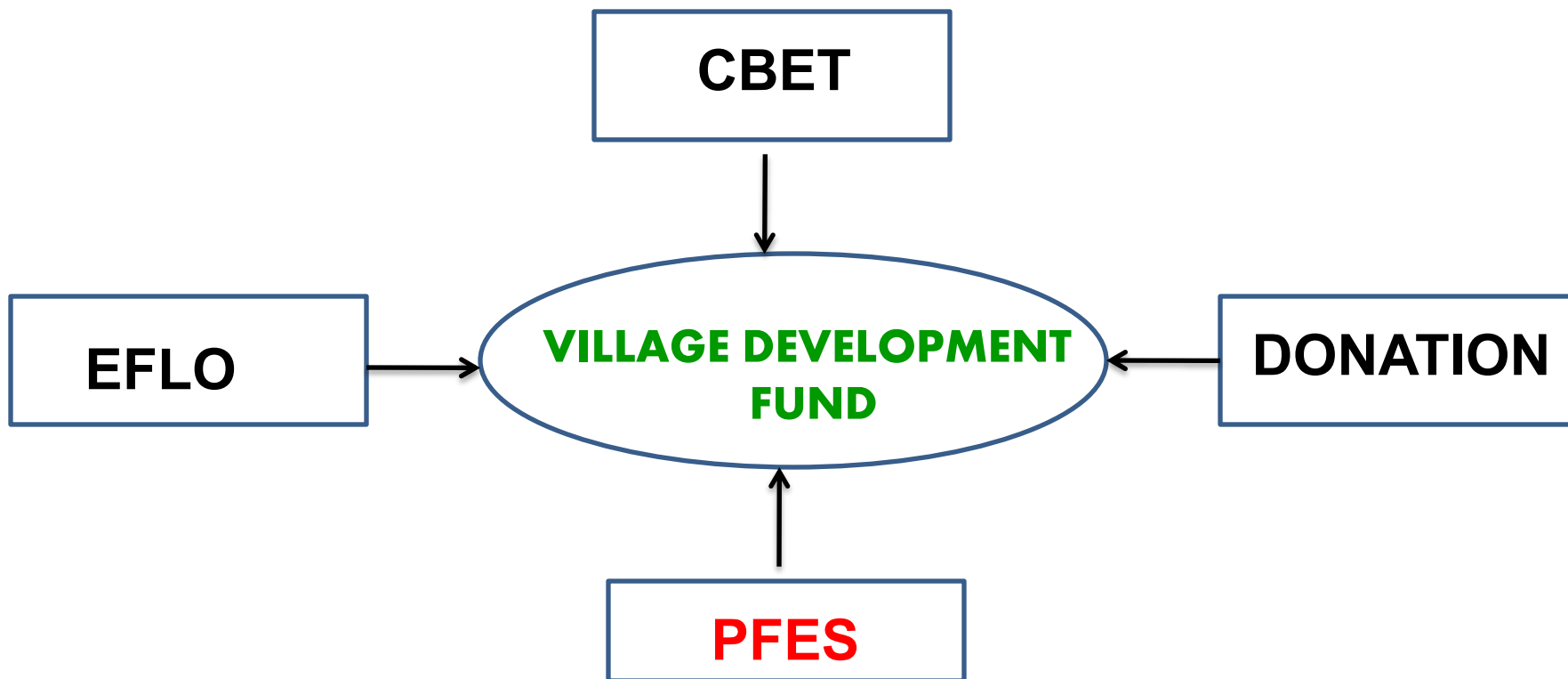




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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **IV. Forming a Sustainable Finance Mechanism for VDF**





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## **ACTIVITIES TO BUILD COMMUNITY-BASED FOREST MANAGEMENT IN THE PARK**

### **IV. Forming a Sustainable Finance Mechanism for VDF**

- ✓ All donation from visitors sent to VDF
- ✓ 5% of benefit from providing services of environmental interpretation, transportation porter, Gong performance, weaving product;
- ✓ 5% of benefit increased from organic coffee and safe vegetable cultivation
- ✓ To propose to contribute 5% of PFES to VDF



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## **EFFECTIVENESS OF IMPLEMENTING COMMUNITY-BASED FOREST MANAGEMENT**

- ✓ Better relationship between NP and local communities
- ✓ Less conflict between rangers of the park and local communities
- ✓ More involving of communities in management activities of the park
- ✓ Biodiversity of the park is conserved better





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## **EFFECTIVENESS OF IMPLEMENTING COMMUNITY-BASED FOREST MANAGEMENT**

<b>Violations</b>	<b>Number of violations by year</b>			
	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Encroachment	41	36	27	16
Illegal logging	7	17	17	6
Illegal NTFP collection	6	0	3	2
Illegal mining	1	5	4	1
Illegal hunting	3	13	6	6
Forest fire	1	5	1	0

**THANKS FOR YOUR ATTENTION!**