

Burnt Peatland Restored for Low Carbon Management – Success Story of U Minh Thuong National Park in Viet Nam

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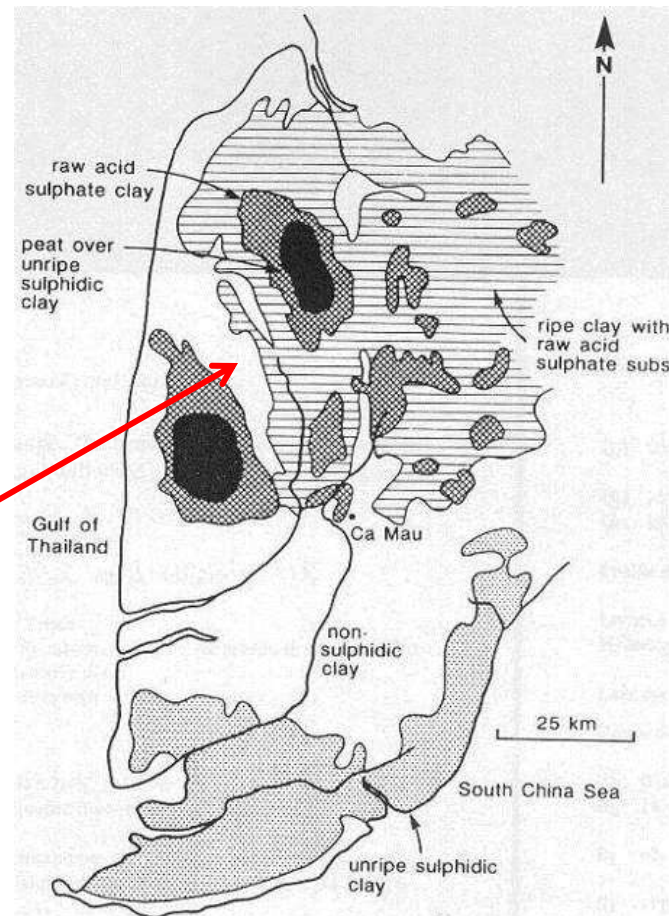
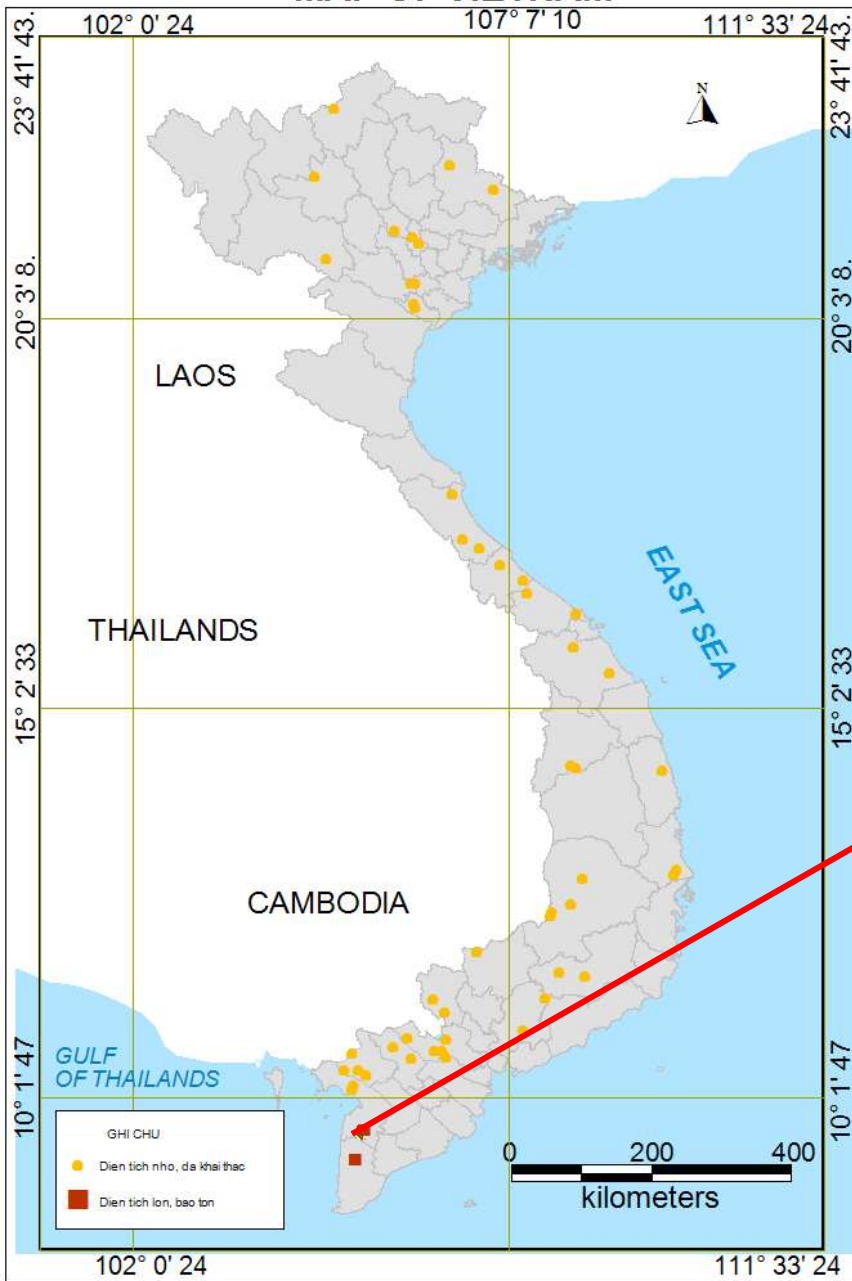
Outline

- 1. Overview**
- 2. Root causes of peatlands degradation**
- 3. Sustainable management**
- 4. Results**

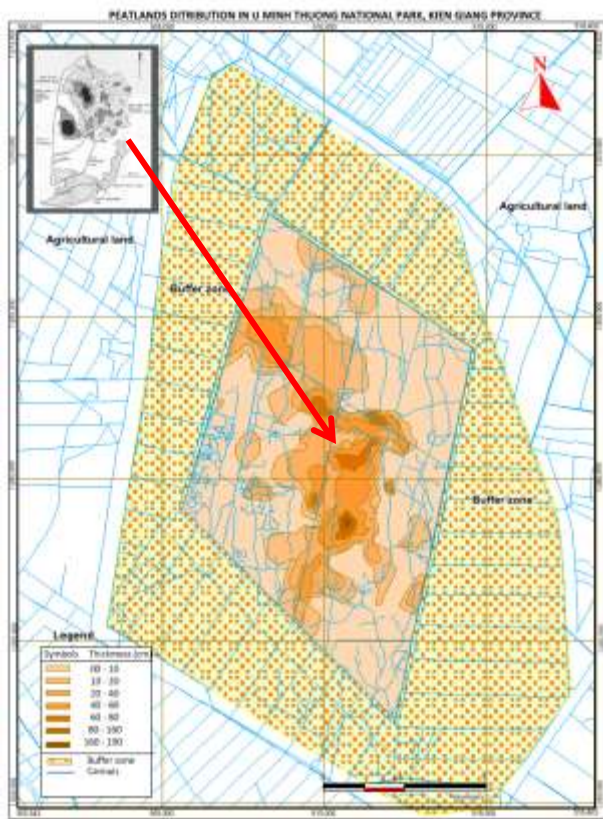


1. OVERVIEW

- Located in Kien Giang Province, Mekong Delta, Vietnam



1. OVERVIEW



- **Peatlands in UMT area is about 4,000 hectares.**
- **Designed as National Park of peatland ecosystems in Mekong Delta.**
- ***Dominant Melaleuca forest***
- ***Rich biodiversity***



1. OVERVIEW

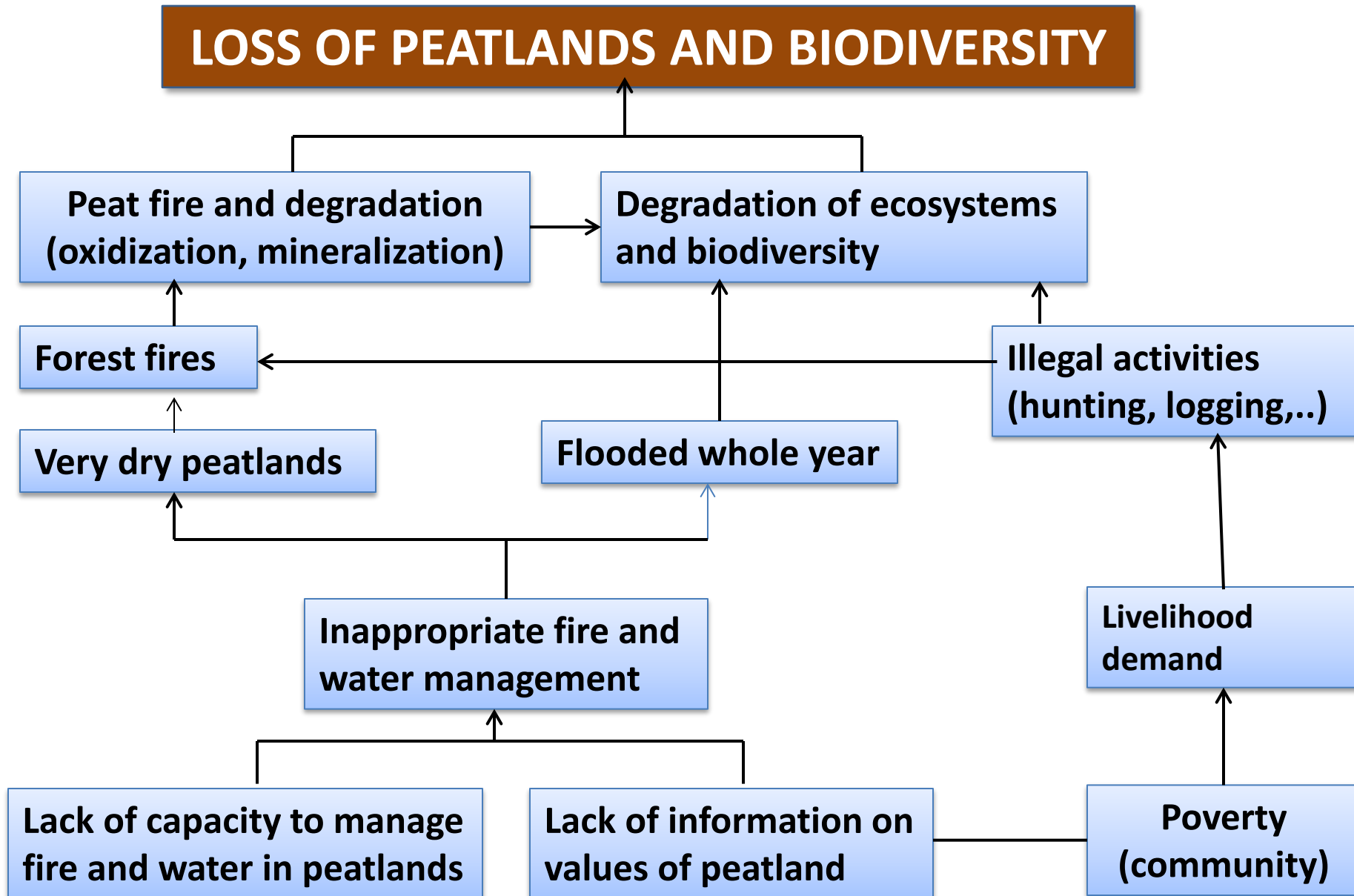
Function of peatlands:

- **Storage of water**

Supplying fresh water for agricultural production in the dry season

- **Carbon storage**

2. Root causes of peatlands degradation



2. Root causes of peatlands degradation



Forest fires in 2002

- *About 80 percent of forest area of U Minh Thuong National Park was burned.*
- *Degradation of ecosystems and biodiversity*



2. Root causes of peatlands degradation



**Inappropriate
management of
hydrology**

- High water levels throughout the year in the national park (in dry season, 2009)

***Resulted in
degradation of
Melaleuca forest.***

2. Root causes of peatlands degradation



- **Illegal activities:**

Hunting, peat exploitation

- **Inappropriate uses of peatlands for other uses:**

Peatland mining for other uses: fertilizer production, fules, etc.)

3. Sustainable management



ASEAN Peatland Forests Project | www.aseanpeat.net

SEApeat



Enabling poor rural people
to overcome poverty



EUROPEAN UNION



Under support from APFP and SEApeat Projects from 2010 to 2014.

- *Capacity building for local government staff*
- *Awareness-raising for local communities in peatlands.*
- *Integrated management of fire and water in peatlands.*
- *Local community livelihood development in buffer zone*

3. Sustainable management

- *Capacity building for local government staff*



3. Sustainable management

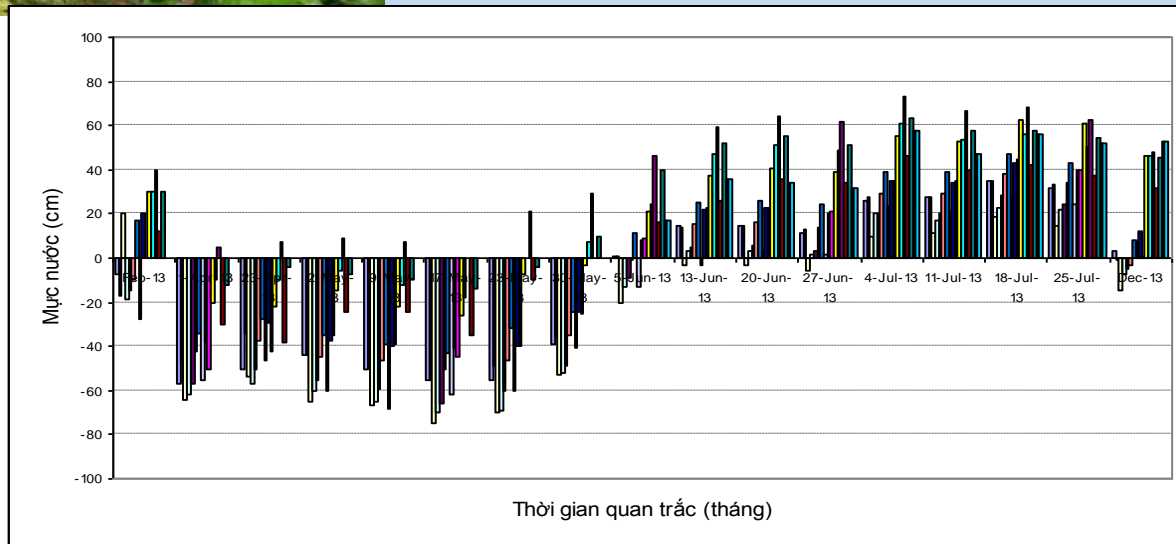


- *Awareness-raising for local communities in function and values of peatlands*



3. Sustainable management

- *Integrated management of fire and water in peatlands*



3. Sustainable management

- *Local community livelihood development in buffer zone*



3. Sustainable management



After 4 years:

- **Income/household/year:
100,000,000 VN Dong = 5,000 USD**

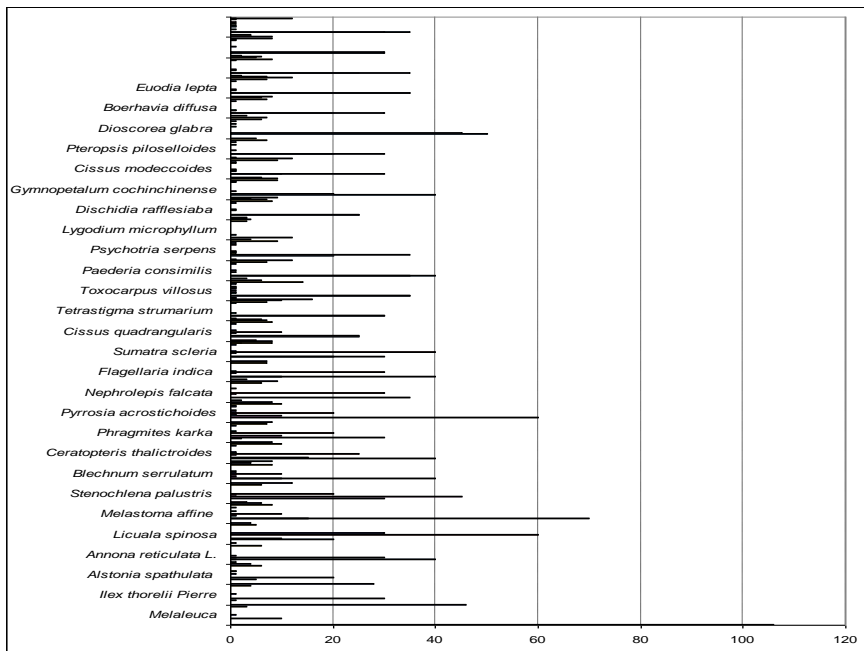
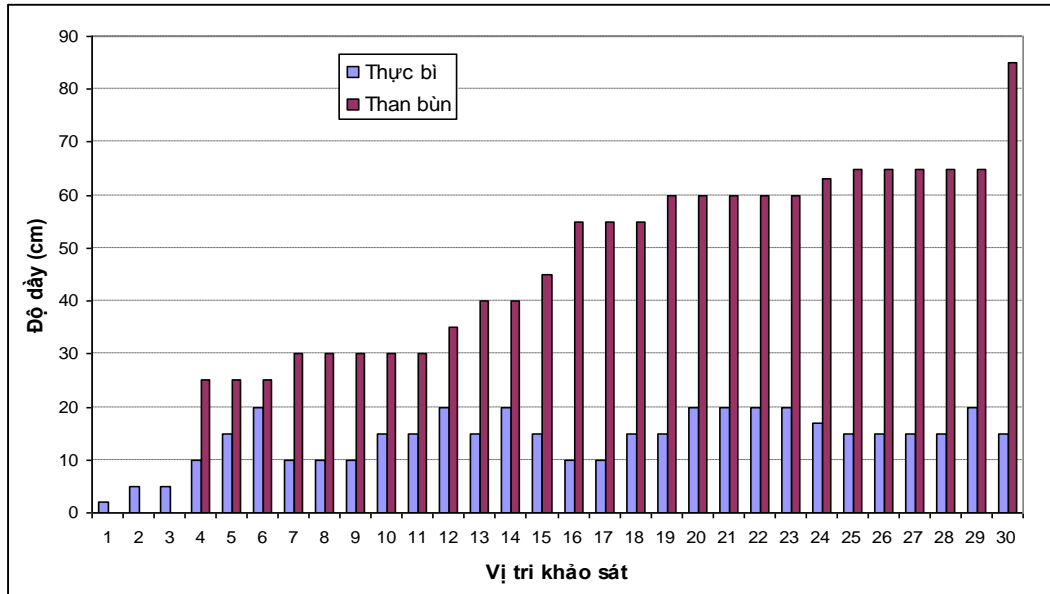
4. Results

From 2009 to 2015

- ***NO forest fire***
- ***NO illegal activities***
- ***Community-based management in UMT National Park.***

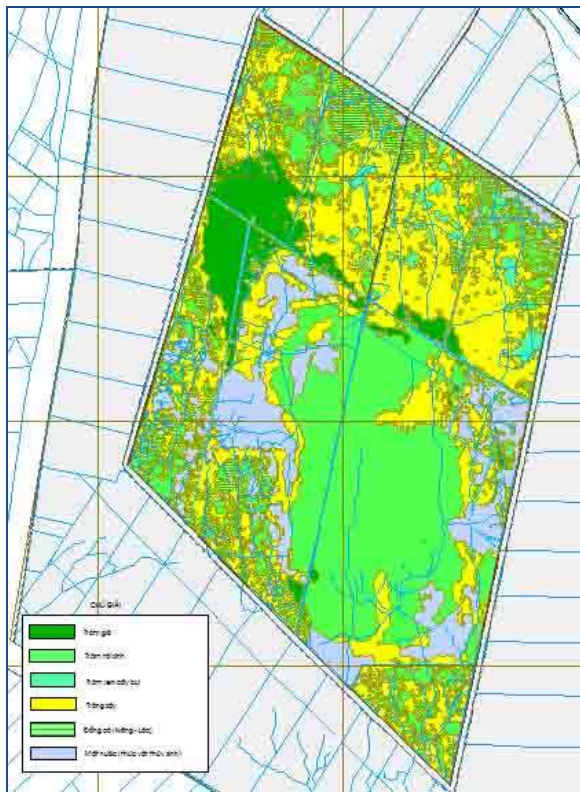
4. Results

- Increased plant residues in surface layer.
- Increased population and species of flora and water birds.



4. Results

Integrated management of water and fire on peatlands is very important activity for forest fire control and rehabilitation of ecosystem and biodiversity.



Ecosystems in 2006



Ecosystems in 2009



Ecosystems in 2012

A group of approximately ten birds, likely terns, are captured in flight against a clear, pale blue sky. They are arranged in a loose V-formation, with some birds slightly ahead and others following. The birds are dark in color, and their wings are spread, showing the characteristic shape of seabirds. The background is a uniform, light blue, suggesting a clear day.

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Animals

Many species of animals have been found in UMTNP



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4. Results

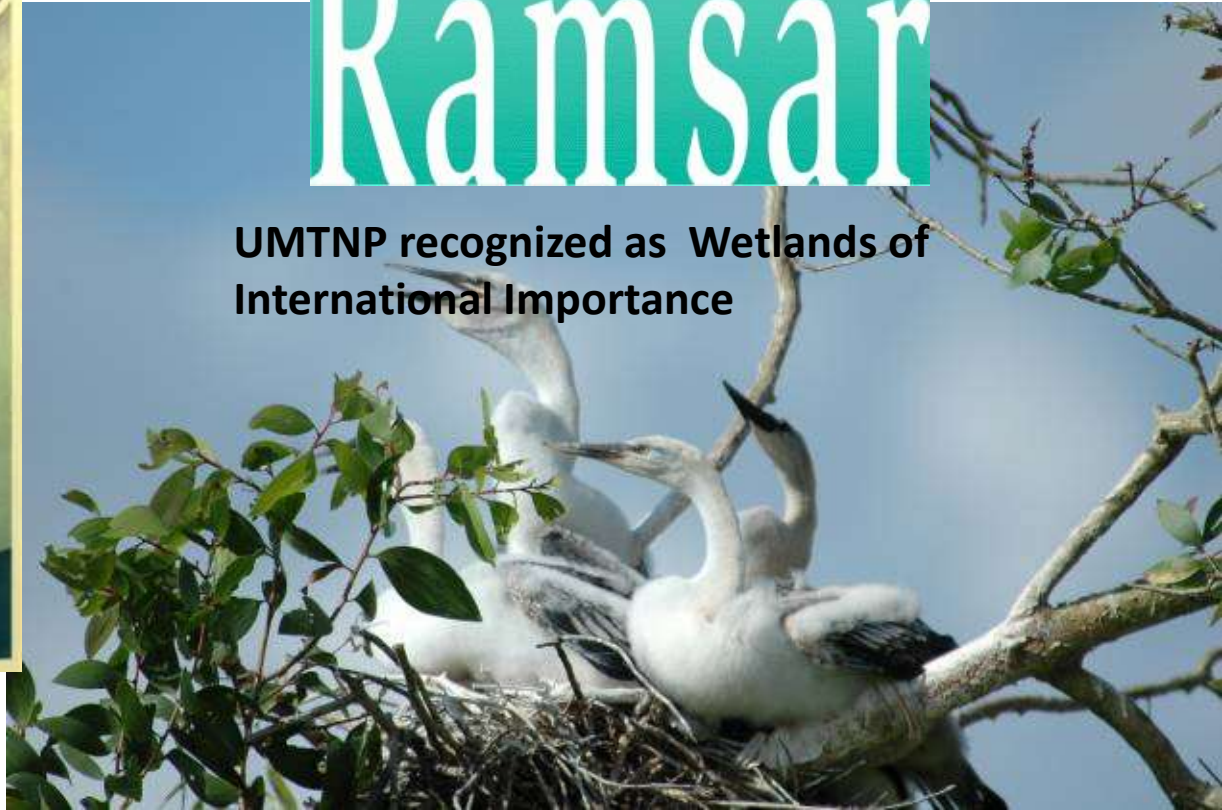


2013



2015

UMTNP recognized as Wetlands of International Importance





**THANKS
FOR ATTENTION**