

APFP Completion Report

(Vietnam Component)

10 Nov. 2014

Funded by:



Supported by:



The overall project objective

- Promote sustainable management and rehabilitation of peatlands in Vietnam through
 - *capacity building*
 - *improved inter-sectoral management.*
- 2. A demonstration of best practices at a peatland area of U Minh Thuong National Park (UMTNP).

The Project activities focus on:

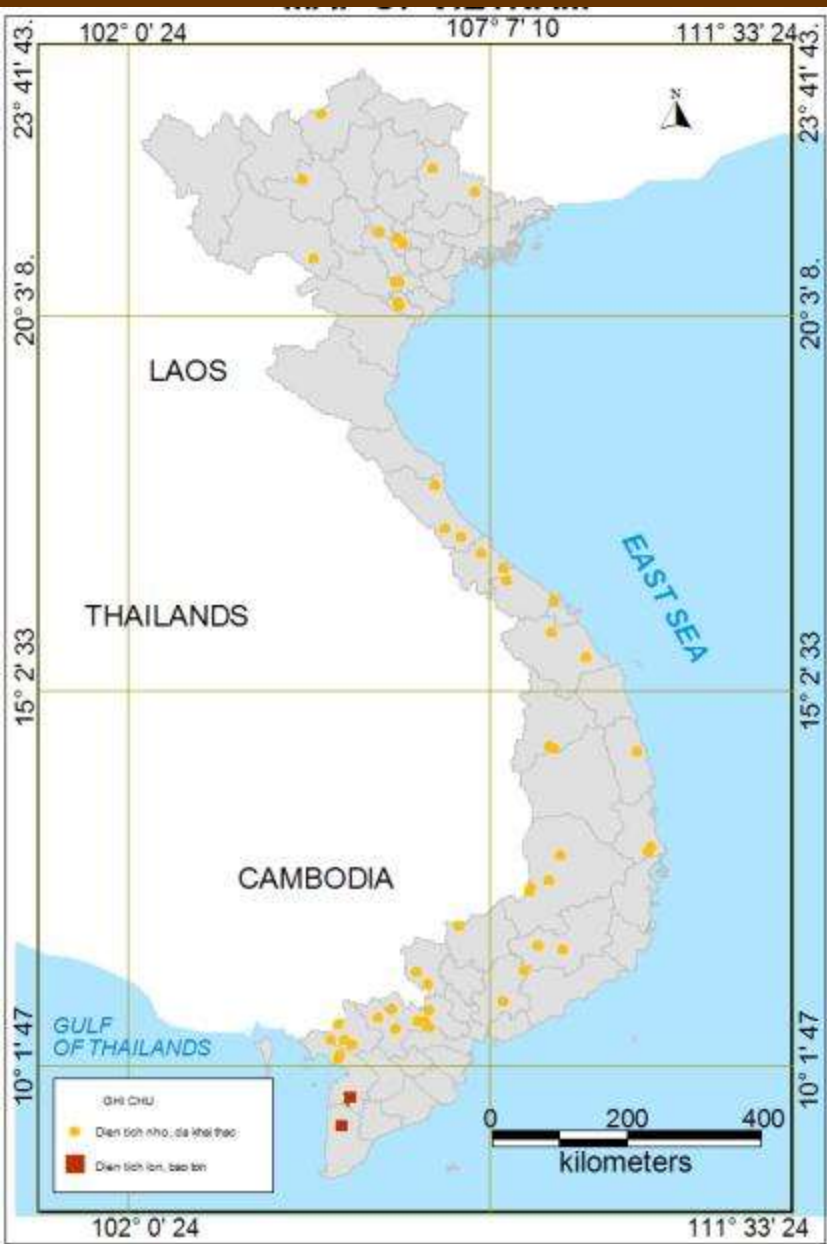
1. **Strengthening of capacity at *central and local levels* for sustainable peatland management.**
2. **The degradation of peatlands minimized and rehabilitated through forest management and fire control.**
3. **The local community in pilot site (UMTNP) will be less dependent on peatlands for their livelihood.**

AWARENESS ENHANCEMENT AND CAPACITY BUILDING



- Awareness on values and functions of peatlands enhanced by local and central levels.
- Management capacity of local governments (provinces, districts and communes) and peatland national parks has been improved.
- No exploitation of peatlands for other uses.

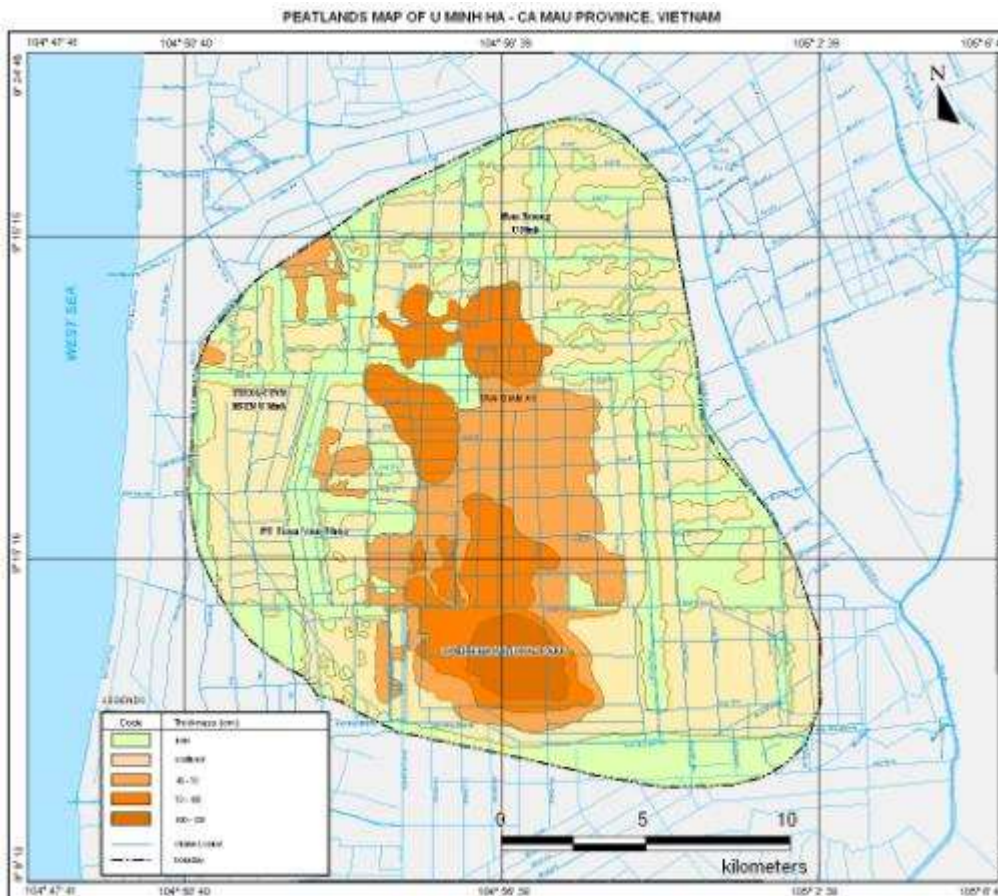
IDENTIFICATION AND INVENTORY OF PEATLANDS



- Identified the areas of peatlands in Vietnam and also identified the problems (degradation and peatland loss) resulted from unsuitable management of peatlands
- National Action Plan of Peatland management completed.

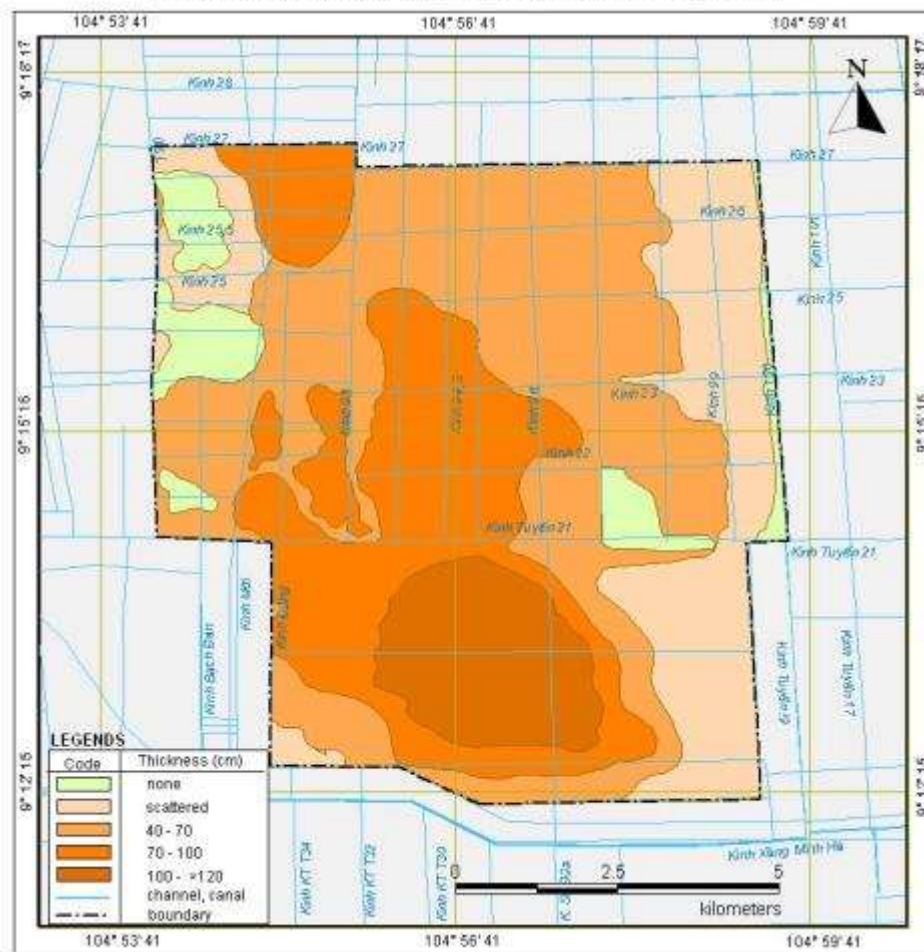
IDENTIFICATION AND INVENTORY OF PEATLANDS

Inventory of peatlands in UMH and UMT National Parks



IDENTIFICATION AND INVENTORY OF PEATLANDS

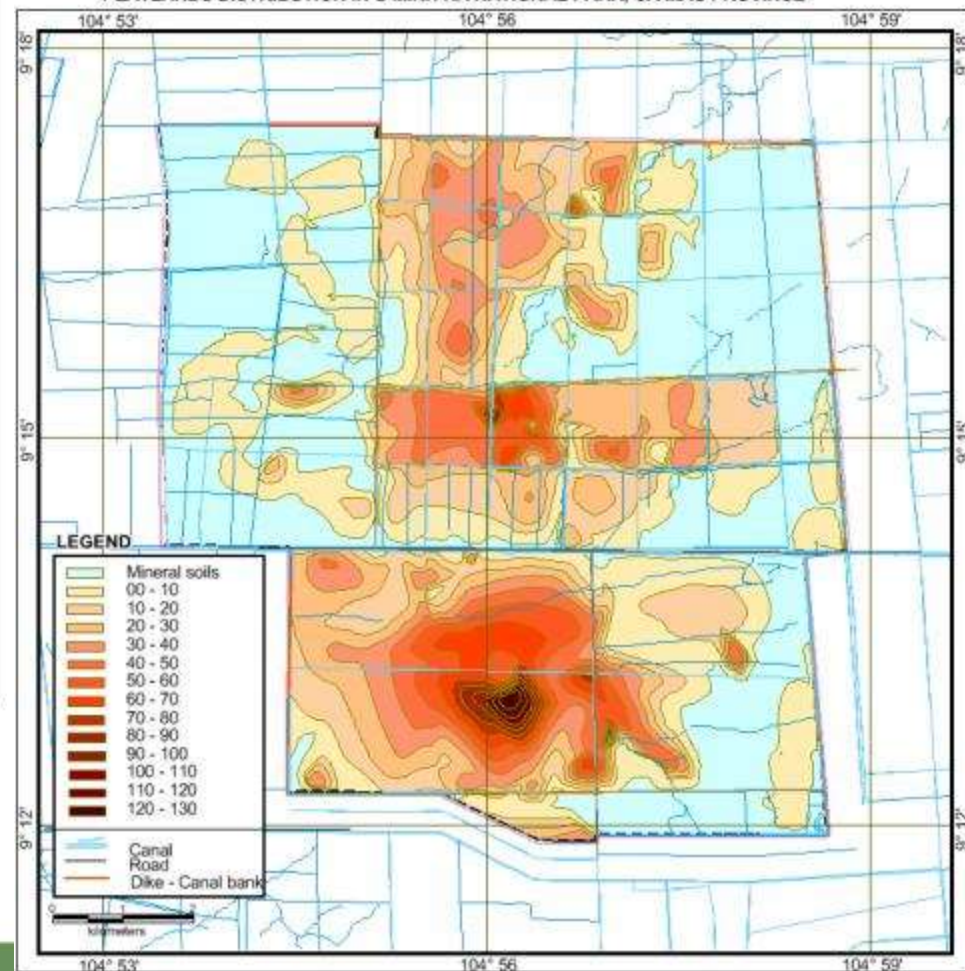
PEATLANDS MAP IN U MINH HA NATIONAL PARK, CA MAU PROVINCE, VIETNAM



SEAPeat activities:

Peatlands assessment has been carried out in U Minh Ha area.

PEATLANDS DISTRIBUTION IN U MINH HA NATIONAL PARK, CA MAU PROVINCE

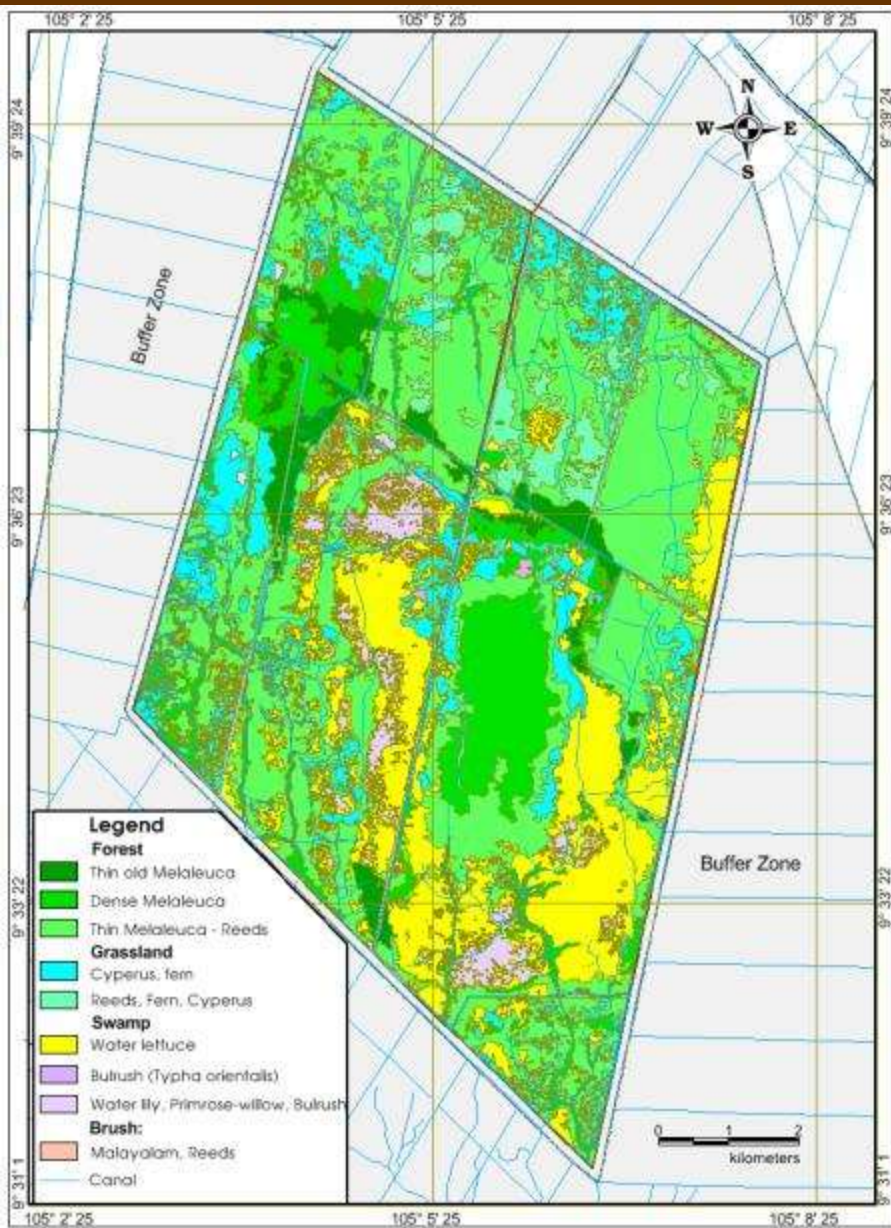


EVALUATION OF CARBON STORAGE IN PEATLANDS OF U MINH HA NATIONAL PARK

	Bulk Density				Carbon	tCO ₂ e
Depth	(Mg/m ³)	Area (m ²)	C (%)	RC_C (%)	(tấn/ha)	(tons/ha)
20	0.29	10,000.00	35.62	53.40	117.48	431.15
40	0.36	10,000.00	40.85	38.24	248.53	912.10
60	0.34	10,000.00	28.73	35.07	347.16	1,274.08
80	0.34	10,000.00	31.13	34.08	453.30	1,663.60
100	0.33	10,000.00	30.82	33.43	554.94	2,036.62
1.20	0.15	10,000.00	15.20	17.66	296.52	1,088.23

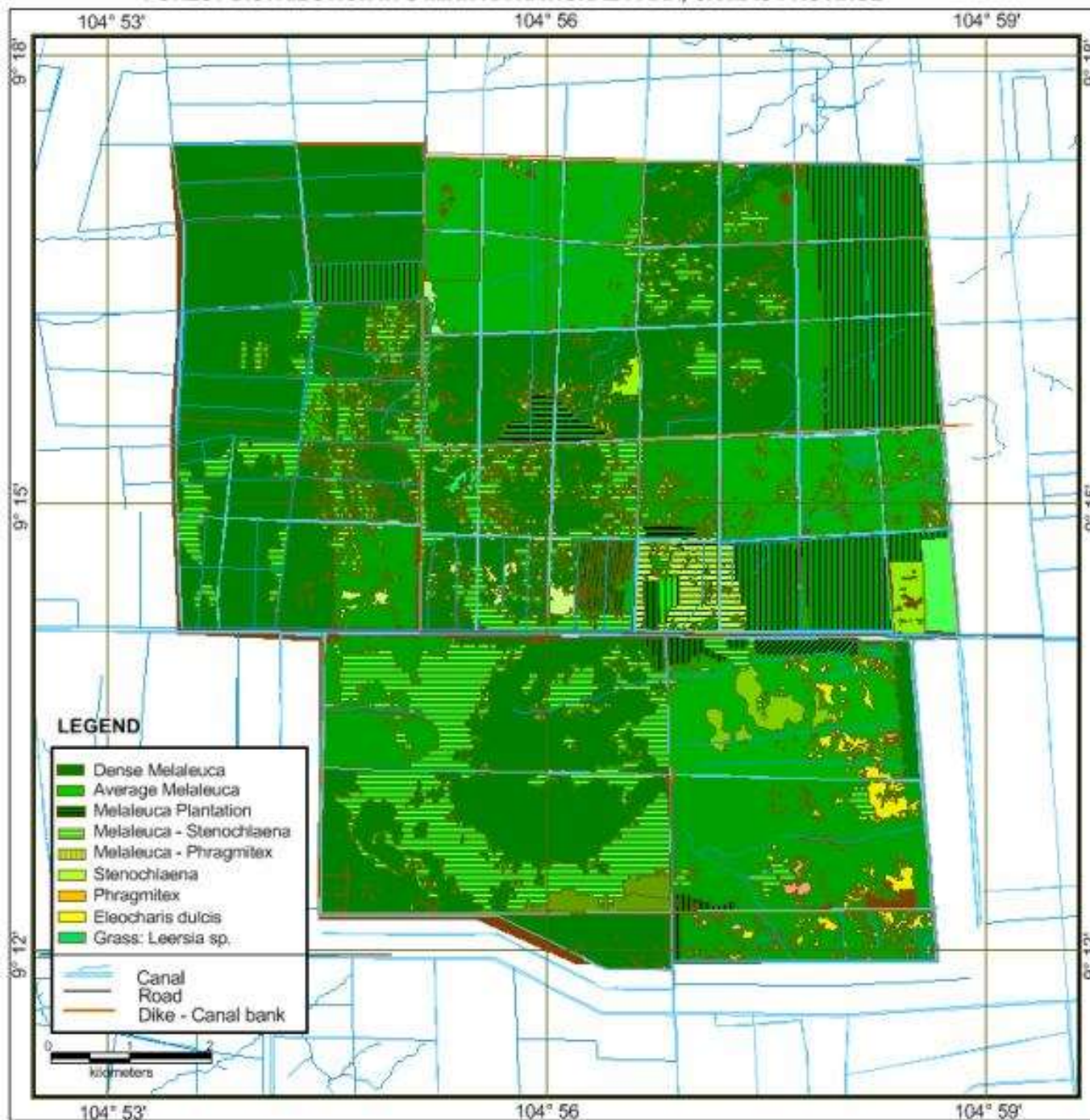


ECOSYSTEMS ASSESSMENT



Ecosystems in UMT and UMH National Parks

FOREST DISTRIBUTION IN U MINH HA NATIONAL PARK, CA MAU PROVINCE



Co-operation
between
SEAPeat and SNV
to map ecosystems
distribution in
peatlands of
UMHNP

INTEGRATED MANAGEMENT OF WATER AND FIRE IN PEATLANDS

Fire in 2002 in peatland of UMTNP



- Suitable Integrated management of water and fire in peatlands resulted in

NO forest fires in peatlands of UMTNP since 2010

PLAN OF PEATLANDS MANAGEMENT



APFP supported UMTNP:

- A master plan
- A Five Years Action Plan (2015 – 2019)

SEAPeat supported UMHNP

- Land-use planning of Peatlands
- Five Years Action Plan (2015 – 2019)



Forest restoration in UMTNP



Based on five years action plan of UMTNP:

UMTNP is supported by Provincial government:

500 hectares of Melaleuca forest restored

Forest restoration in UMTNP



**Based on SEApeat
Project activities:**

**SNV supported fund
for UMTNP to restore**

- **200 hectares of
Melaleuca forest.**

Changes of ecosystems in peatlands of UMTNP



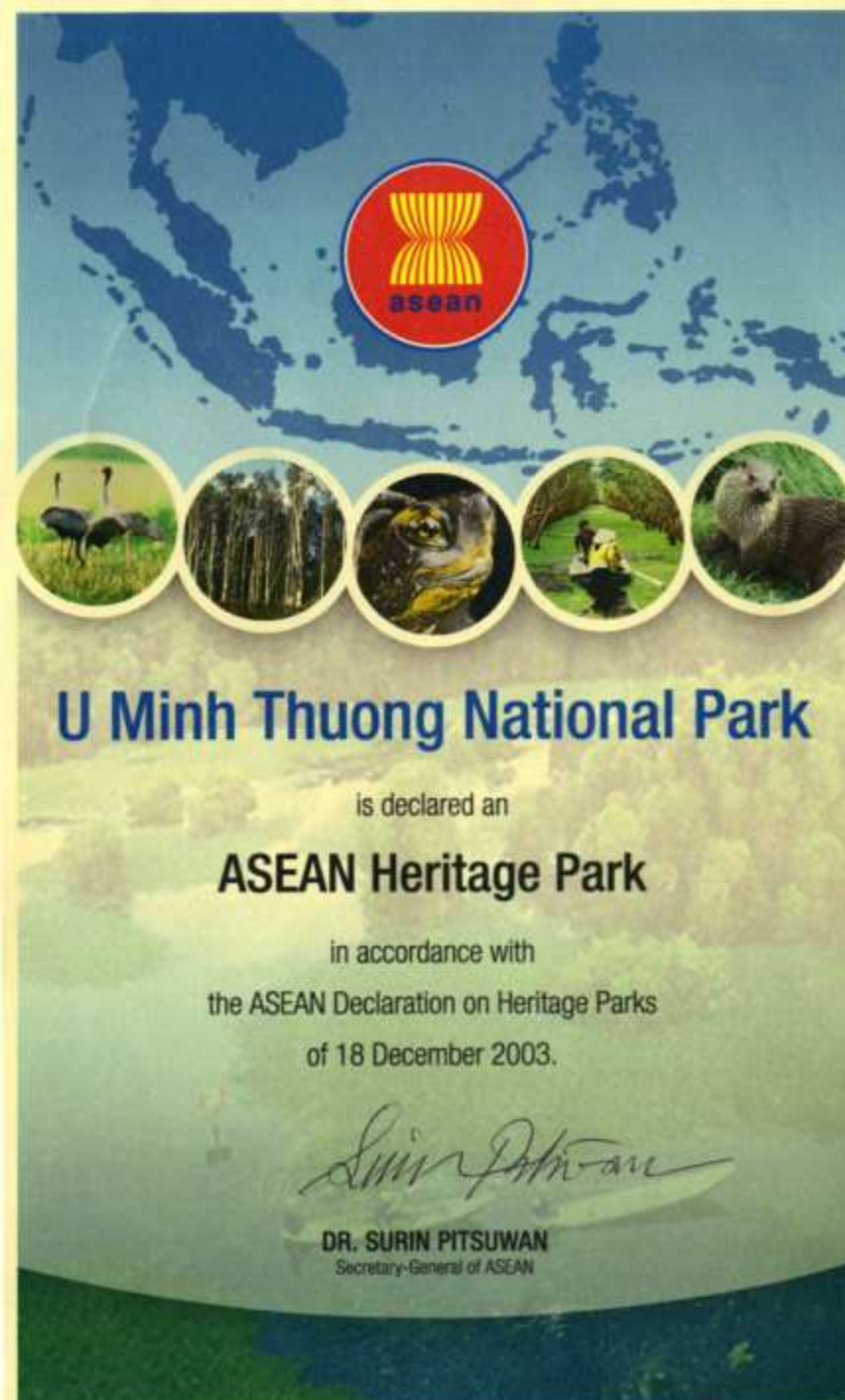
	Ecosystems 2006	Area (ha)		Ecosystems 2009	Area (ha)		Ecosystems 2013	Area (ha)
1	Mecaleuca forest	3.904,16	1	Mecaleuca forest	4.440,87	1	Mecaleuca forest	4.460,78
2	Grasslands	2.772,50	2	Grasslands	0	2	Grasslands	1.447,69
3	Aquatic swamp	1.126,74	3	Aquatic swamp	3.393,37	3	Aquatic swamp	1.912,8
4	Bush	141,8	4	Bush	142,55	4	Bush	142,55

[illegible]

Identified and protected the breeding area of birds in peatlands



- **U Minh Thuong National Park** is Asean Heritage Parks in 2012



Biodiversity assessment in peatlands

- **Co-operation between SEAPeat and GLZ to organize a technical Biodiversity assessment in peatlands**



ECOTOURISM DEVELOPMENT



Under SEAPeat Project activities:

- Plan of environmental education and ecotourism of UMT and UMH National Parks
- A guidelines of eco-tourism activity and environmental education was completed and disseminated to two national parks.

ECOTOURISM DEVELOPMENT



- Plan of ecotourism and environmental education activities in peatlands was designed:

U Minh Thuong NP

U Minh Ha NP



Local community livelihood development in UMTNP

Application of “Green Contract”

- **51 households** in buffer zone get more benefit from livelihood development activities.
- No illegal activities inside the park (hunting, fishing, honey collection) by households in buffer zone.

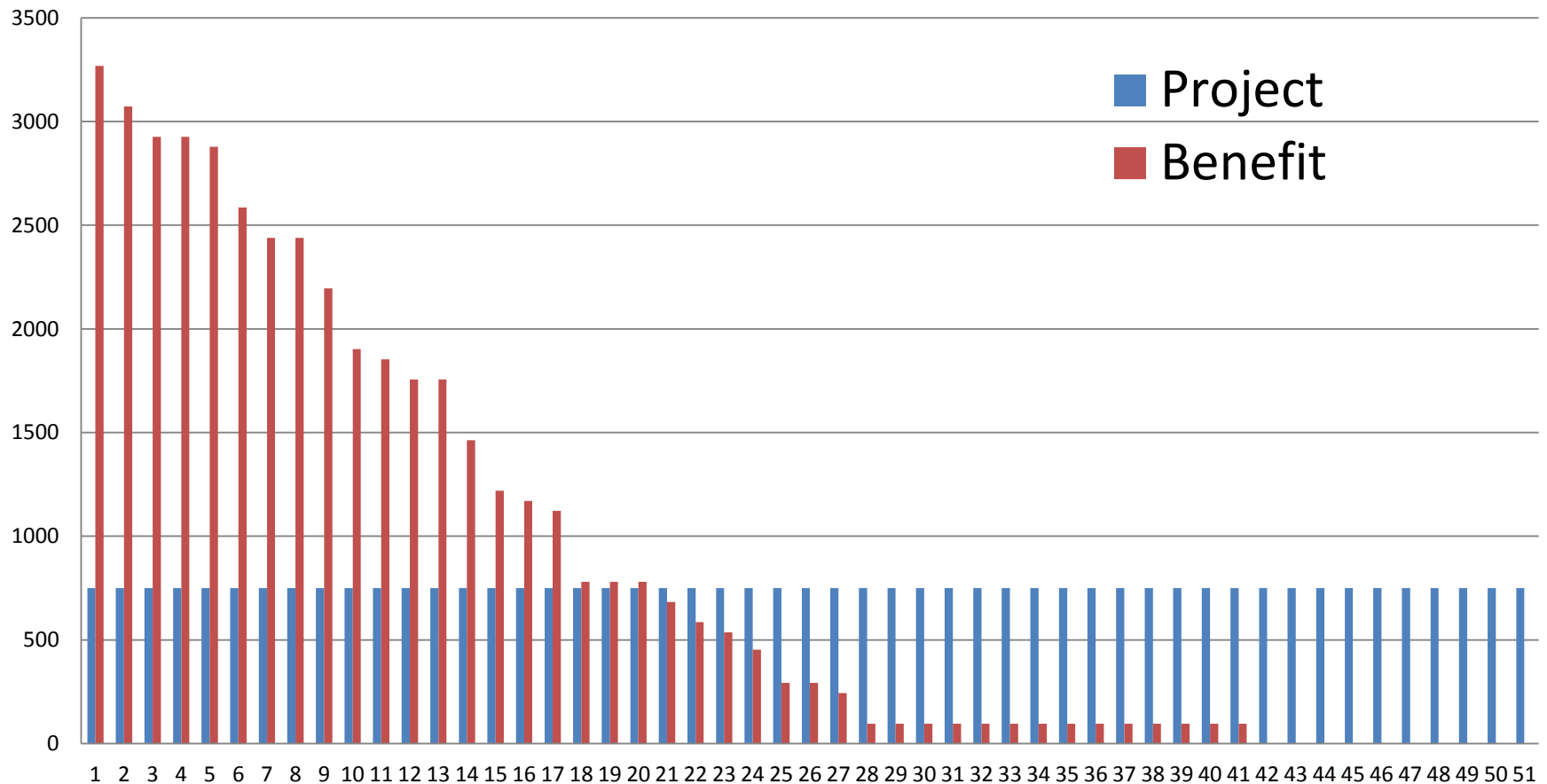
Local community livelihood development



Local community livelihood development



Cost and benefit from local community livelihood development in UMTNP



Local community livelihood development in buffer zone of UMH National Park



- **30 households** in buffer zone of UMHNP selected and they signed the “**Green Contract**” and then got fund from SEAPeat.



Local community livelihood development in buffer zone of UMH National Park



Local community livelihood development in buffer zone of UMH National Park

Benefit from local community livelihood development in UMHNP:

- **21 households get high income (200 USD/month)**
- **09 households get average income (100 USD/month)**

LESSON LEARNED



Sharing:

- *The information of peatlands*
- *The APFP and SEAPeat activities and good results got from the project*
- *Showed some ideas can be used for sustainable management of wetland/peatlands to local governments and NGOs*

Sharing the workshop/meeting for many government agencies/NGOs

LESSON LEARNED



Then we can get:

- More supporting from local governments
- Co-funding from NGOs: GIZ, SNV, WWF



LESSON LEARNED



- **Result of APFP-SEAPeat Project activities in UMTNP is high evaluated by NGOs.**
- **Director of UMTNP was invited to attend the ICEM-IUCN Workshop in Bangkok.**

LESSON LEARNED

SNV in UMHNP



Conclusion

- **APFP-SEAPeat Project activities in the demonstration site (UMTNP) and U Minh Ha National Parks (in Ca Mau Province).**
- **Ecosystems and biodiversity of peatlands have been restored.**
- **Rehabilitation and conservation of ecosystem and biodiversity in peatlands of UMTNP have been done well.**

Conclusion

- **Community-based management of national part depending on livelihood development project resulted in no illegal activity, no fires.**
- **Enhanced knowledge for local governments of function and values of peatland and its biodiversity resulting in being supported funds from local governments.**