

AGENDA 3- REVIEW				FOR MIDTERM PROGRESS ON TARGETS/INDICATORS										
Outcomes and Outputs	Objectively Verifiable Indicators			Means of Verification	Progress to date/detail						Critical Assumptions	Progress to date (Revised July 2013)	Progress % vs target	
	Indicators	Baseline	Target		Indonesia	Malaysia	Philippines	Viet Nam	Singapore & Brunei	Regional				
OVERALL PROJECT OUTCOME 1: Capacity and institutional framework for sustainable peatland management in South East Asia strengthened.														
OUTPUT 1.1 Inter-sectoral policy and planning frameworks for integrated peatland management strengthened at regional, national and local levels	ASEAN Peatland Management Strategy	Not updated	Reviewed and revised in Y4	Report to AATHP on APMS progress	APMS has been translated into Bahasa Indonesia and has been integrated into National Strategy on Sustainable Peatland Management in Indonesia	Meeting in Paya Indah Wetlands, Selangor (19 Sept) and Bangkok (24 Sept) to review APMS				APMS Review meeting in COP AATHP in 24th Sept and 6th Nov COP of AATHP in 2013	ASEAN Secretariat and member countries continue to support APMS	APMS Review initiated in July 2012 with meeting in September and November 2012 and revisions anticipated to be adopted in September 2013 at COP 9 of AATHP	80	
	Regional Action Plan on Peatland Management	Not developed as a separate plan	Countries commit to implementation of RAP in Y1	Project Progress Report	it has been integrated into National Action Plan (NAP) for SPM in Indonesia					Discussed in the APMS meeting	Willingness of governments at national and local levels to continue to participate	Action plan and strategy for implementation of Regional activities to be developed as part of the APMS review	60	
	National Action Plans on Peatland Management adopted	National action plans yet to be adopted	National Action Plans for 4 participating countries adopted and implementation initiated by Y1 and revised by Y4	Report to AATHP on APMS progress	NAP approved in 2010. Reviewed completed in 2012 and NAP to be disseminated.	National Action Plan for Peatlands (NAP) has been finalized and adopted by Malaysian Cabinet in May 2011. It has been translated to National Language and disseminated to various government agencies for its implementation. The progress of implementation will be monitored by MNRE and reported to the National Peatland Working Committee on half-yearly basis.	Philippines NAP was integrated in the Updated National Wetlands Action Plan of the Philippines which was included in the Philippine Development Plan for 2011-2016	NAP finalised. Awaiting cabinet approval			Willingness of governments to adopt new policies on peatland management	NAP for Indonesia, Malaysia, Philippines and Viet nam finalised. Implementation initiated in Indonesia, Malaysia and the Philippines	75	
	Inclusion of peatland in sectoral policies in Indonesia and Viet Nam	Limited information inclusion	Peatland included in other policy frameworks in Indonesia and Viet Nam by Y3	Project Progress Report	Inpres No. 10 Year 2011, Inventory of GHG/ Perpres N0.71 Year 2011, Perpres N0.61 Year 2011, Permentan No.14 Year 2009, RPP on Protection and Management of Peatland Ecosystem			?				Peatland issues included in a range of policy frameworks for indonesia	50	

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	Malaysian wetland policy	Policy not revised	Revised policy incorporating peatlands adopted in Y3	Policy review papers		Wetland Policy will be revised and incorporated in the preparation of National Biodiversity Strategic Action Plan by MNRE.						Revision of Malaysia wetland policy Initiated	40
	Incorporation of peatland management into policies and plans related to forest and land related resources to mainstream peatlands into the appropriate ministries	Limited	Peatland issues addressed in Msia (National Forestry Council), Presidential Decree in Indonesia	Project Progress report	Initial progress to incorporate peat into national policies in Indonesia. Presidential decree being finalised/RPP Gambut	Peatland issues are incorporate in various national policies in Malaysia. Under National Forestry Policy, forested areas in Malaysia requires management plans, and the main peatland forested areas eg. NSPSF (Selangor), SEPPSF (Pahang), Klias FR (Sabah) and Loagan Bunut NP (Sarawak) already have management plans.	Philippines NAP on Peatlands has been incorporated into the Updated National Wetland Action Plan which is now part of the current Philippines Development Plan.			Development of Intergrated Peatland Planning Guideline initiated		Initial progress to incorporate peat into national policies in Malaysia and Indonesia. Presidential decree being finalised/RPP Gambut. Peatlands incorporated into Philippines development plan and IMP guideline initiated	70
OUTPUT 1.2 Capacity for peatland management strengthened through training and awareness programmes to support the upscaling of good peatland management practices	No. of govt agencies with trained personnel on peatland management	Limited	60% of related agencies with at least 4 staff with training on peatlands by Y4	Training Needs Analysis Report/ Project Progress Report	MoA,MoE, Universities, and Local Environment Offices in Sumatera, Kalimantan, and Papua, number of participants 28 persons	3 capacity building trainings conducted - TOT on peat assessment & management (3-6 Oct 2011), FDRS Interpretation (12-13 Oct 2011) and FDRS and Forest Fires (19-21 Sept 2012). Total of 105 participants from about 35 government agencies, public sector, research institutions and NGOs were involved.	40 staff oriented/trained on peatland assessment and management	No		395 people from 10 ASEAN Countries were trained/participated in the workshop/TOT	Trained personnel remain in the region/ country to assist in achieving targets	Training undertaken in 4 countries- 500 people trained from 10 countries	60
	Regularity of meetings of peatland working groups in participating countries	Limited	At least one meeting per year of working groups in each country (E.g. PSC, NPSC, State/local working group)	Minutes of meetings	2 time/Year	National/ State Steering Committee on Peatlands and National/ State Working Committee established and meetings were conducted as planned. NPSC - 4 meetings (Aug & Oct 2010, 11 Oct 2011, 29 Oct 2012), NPWG - 2 meeting (5-8 Sept 2012, 27-29 June 2013), SPSC - 2 meetings (7 July & 3 Nov 2011), SPWG - 3 meetings (7 July & 12 August 2011 and 29 Aug 2012) and NPEA - 6 times a year or as needed. Participated as Malaysian Delegation to the 13 th & 14th Meeting of TWG and MSC on Transboundary Haze Pollution in Brunei (7-9 May 2012) & Bali (30 – 31 Oct 2012) respectively.	NPIC- 2 meetings NTWG- 9 Leyte TWG- 9 Agusan TWG- 7 NPIC- twice a year NTWG & LTWG- 4 times a year or as needed	Draft program of cooperation between the two peatlands of UMHNP and UMTNP. Two meetings on sharing of management's experience per year.		Establishment of Regional Peatland Working Group was proposed to the COP- 8.	Willingness of agencies to share information for better management	more than one meeting per year organised in participating countries	75

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	Awareness materials produced and disseminated in the region	To be determined at project start-up	At least 15 separate materials in 4 languages by Y3	Evaluation of awareness materials by the target audience	Leaflet in Indonesian and English, Video, Poster, Peat Profile translated into Bahasa Indonesia, Training Module translated into bahasa Indonesia	Project's awareness materials produced (bilingual) – pamphlet (1,000 copies), poster (1,000 copies), CD (500 copies) and calendars (1000 copies). In addition 500 caps, 200 t-shirts and 200 backpacks had been produced. These materials have been disseminated to the public and stakeholders during the workshops, seminar, training courses, public talks and scientific expedition.	National Action Plan (English) - 1,000 copies 2 video documentation Care for Our Peatlands (English) - 1,000 flyers Care for Our Peatlands (Bisaya Version) – 150 flyers Care for Our Peatlands (Waray Version) – 200 flyers Tarpaulins on What is Peat patterned after Rajah Musa's	4 awareness materials have been drafted in Vietnamese and English		8 awareness materials in English (TOT training Modules; Peat Profile; BD Toolkit; Fire management & Control; Brochure; Video; IMP Poster, Peatland asnd climate change booklet)		32 awareness materials produced in 5 languages	100
	Media coverage on sustainable peatland management	Limited	Sustainable peatland management acknowledged as important issue by national and local media through print and electronic media by Y2	Project Progress report/ Inception report	on going compilation of articles in newspaper	8 articles: 2-megazine (Malayan Naturalist & Intl. Peat Society) & 7 press articles (WWD 2011 & 2012) 1 Documentary; NTV7 (Sahabat Hutan Gambut; 9 Oct 2012) Website: www.aseanpeat.net facebook@sahabathutangambut	Samar Daily Express and PIA Press release: Leyte Sab-a Basin Peat Forest Rehab Underway, December 14, 2011 Radio Plugging in local radio station (Radyo Bombo) by Leyte Sab-a PS; December 2010	There is one video of peatlands management in UMTNP		15 articles: 3- magazines (Malayan Naturalist & Intl. Peat Society); 12 - press articles (local papers); 2 - proceedings/abstracts; 2 Radio Interview; input to documentary for History Channel (Haze Hell over Asia) shown in 2012 and 2013; TV documentary in Malaysia in October 2012		Significsnt media coverage of peatland issues stimulated by project	80
	Virtual Peatland Education Centre in North Selangor	To be determined at project start-up	Centre established and being used by external groups by Y4	Education & Management Centre		Virtual (outdoor classroom) centre established at Raja Musa Forest Reserve. Launched 26 Feb 2011 during WWD celebration.						Virtual centre established and operating. (note change from physical centre to virtual centre approved by Inception meeting)	80

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	Capacity building activities using project materials	None	At least 15 separate activities by third parties in 4 countries using project training and awareness materials	Annual report	TOT Modules translated into Indonesian language for training in Dec 2011 (28 participants from various agencies)	3 capacity building trainings conducted - TOT on peat assessment & management (3-6 Oct 2011), FDRS Interpretation (12-13 Oct 2011) and FDRS and Forest Fires (19-21 Sept 2012) using TOT modules and 2 public awareness workshops (22 & 27 Oct) using other project materials. Total of 105 participants from 35 government agencies, public sector, research institutions and NGOs were involved.	Lectures and presentations for government agencies, local government units, and member of civil society Leyte – 5 lectures/ presentations Agusan – 9 lectures/ presentations Community assemblies and dialogues to increase the level of awareness of peatlands in the communities Leyte – 6 community assemblies/ dialogues Agusan – 7 community assemblies/ dialogues Study tour for 15 participants from different agencies Training/Seminar on Sustainable Use of Peatlands through the Prevention and Suppression of Wildland Fires conducted by the Bureau of Fire Protection April 2010 - 40 firefighters from Region 12 and ARMM October 2011 – 30 firefighters from Caraga Region	There was one meeting on ecosystem and biodiversity management in peatlands.		TOT Modules used by Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar		Large number of capacity building activities undertaken by prtoject and others using project training materials	40
	Lessons learned from other nat/ local sites documented to upscale learnings to a wider network	Limited			Visit to BMP Kalteng (15 persons), Visit to Thailand (3 persons BLHD Provinces and 2 persons from MoE)	Visit to Raja Musa FR (2011: 15 person), BMP Palangkaraya, Kalimantan Tengah (Nov 2011: 3 persons) /Peer Learning Programme on BMP to Thailand (Apr 2012: 6 persons)/ Technical visit to SEPPSF, Pahang (Jul 2012: 20 persons)/ Study tour to Klias Peatland Centre of Excellence, Sabah (Sept 2012: 20 persons)/Study Tour On "Best Management Practice" To UMTNP, Viet Nam (3-6 Dec 2012: 8 persons)Study Tour to Riau, Sumatera (27-30 Mac 2013: 13 persons)/ Peer Learning Programme to Banjarmasin, Kalimantan, Indonesia (17-20 Jun 2013: 4 persons)/Study tour to Loagan Bunut NP, Sarawak (27 Jun 2013: 25 persons). Total persons involved: 114	Significant participation from Philippines in tech visits to malaysia (RMFR and Klais), Thailand; Indonesia. Many lessons learned doumented and transferred to philippines including interpretation material, fire control, livelihoods etc)	Not yet		Initial progress to establish Demo site network. Regional programme/peer learning programme to promote BMP network (BMP Palangkaraya:32 pax; BMP Thailand -50 pax; IMP pahang - 47 pax)	Local communities willing and motivated to participate	significant transfer of experiece between countries and sites.	40

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OUTPUT 1.3 Innovative financial mechanisms to support sustainable peatland management and rehabilitation established	Regional multi-donor trust fund	Not existing	Established by Y1 and receiving contributions from governments and donors by Y3	Project Progress Reports		Malaysia contributes to ASEAN Haze Fund				ASEAN Haze Fund existing – but no major contributors	Stakeholders willing to contribute to multi donor fund	Still under discussion	10
	Innovative finance mechanisms for peatland management	Not established	At least two Innovative finance mechanisms established in participating countries by Y4	Project Progress Reports	Study on incentives undertaken. climate finance options being considered for Kampar peninsula in Riau.	The document for innovative finance mechanisms for peatland management prepared by GEC/RPEA has been reviewed and commented by Malaysia on 16 July 2012. Climate finance options for pilot site in Malaysia current being discussed.				Financing and Incentive Option report published in 2013. Climate finance options being developed for sites in Indonesia and Malaysia	Governments are willing to introduce innovative mechanisms	Climate finance options being considered in Malaysia and Indonesia. Incentives for local communities being established in Vietnam (green contract), Philippines BLT) and Malaysia (Seedling buy back)	80
	Levels of funds and resources available for peatland management	Limited	Significant increase in allocation by participating countries of funds for peatland management by Y4	Annual review of government resource allocations	Major increase in financing for peatland work in Indonesia including from Norway, Australia, USA, Germany as well as from national Government.	Pilot site rehabilitation and fire prevention activities getting substantial financial support from the Selangor State Government and CSR support from HSBC Bank Bhd and Bridgestone Tyres (M) Bhd. See co-funding report for Malaysia (2009-2012).	See co-funding report for Philippines	A master plan of peatland management of UMTNP is drafted. It will be submitted to provincial government at the end of 2012		Increase fin funding for work on peatlands at a regional level - including from European union, Norway, Germany, Japan, Korea.		Significant increase in funding for peatlands in most countries and at the regional level	70

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OVERALL PROJECT Outcome 2: Reduced rate of degradation of peatlands in South East Asia													
OUTPUT 2.1 Status and trends of peatland degradation in South East Asia determined	Status and trends of peatlands in the SEA region	Limited information available	Status and trends of peatlands in the region documented by Y2 and updated by Y4	Technical reports	On-going	National Forest Inventory 5 (or NFI5) activity on peatlands started in 2012. To date, data collection exercise has been completed and FDPM is in the process of preparing the report. These are currently being processed by the GIS unit of FDPM. Spatial data on peatlands distribution are also requested from the Agriculture Department and Malaysia's Remote Sensing Agency. FDPM is also collaborating with the Faculty of Forestry UPM to prepare the assessment and plan to complete the study by Sept. 2013. Malaysian Wetland Directory will be reviewed through G4NRE Database under MaGGDI MNRE.				Initial work on regional directory initiated.	Access to data on peat areas, status and trends made available by cooperating agencies	Initial work on regional directory initiated.	30
	National peatland status reports	Unavailable	Available in at least two countries by Y2	Project Progress Report	Peatland map developed by BBSDLP (MoA) year 2011	FDPM is collaborating with Faculty of Forestry UPM to prepare the digitized spatial maps for Malaysia peatlands (peatlands profile)and plan to completed the study by Nov 2013.		Inventory report of peatland status in Vietnam is drafted. The report will be published at the end of		Awaiting data. Regional map to be developed		Several status reports in preparation	30
	Studies on carbon storage in peatland	Limited	Studies on carbon storage underway in 2 countries by Y4	Project Progress Report	Studies on carbon emission from agriculture farming on peatland in West Kalimantan and carbon emission from degraded peatland in Central Kalimantan	Assessment of above ground carbon stock changes in the pilot site at Bestari Jaya, Selangor have been prepared by Forest Research Institute Malaysia (FRIM) and presented at the "Workshop on Enhancing Sustainability of Forest Practices on Peatlands" in Bogor, Indonesia (27-29 Jun 2012). Additional funds made available for the publication of the report.	Carbon Storage of Caimpugan Peatland in Agusan Marsh, Philippines and Its Role in Greenhouse Gas Mitigation by Dr. Van Leeah Alibo of Caraga State University	Initial study in peatland of UMHNP		Carbon storage studies at project sites in Indonesia and Malaysia underway		studies of carbon storage underway in 4 countries	100
	Studies on impact of climate change on peatlands and adaptation options	None	Studies initiated in at least 2 countries by Y4	Articles and publications published	Articles writing on carbon emission study to be submitted to Symposium on Wild Fire Carbon Management in Peat-Forest, September 2012					Impact of climate change included in review paper under poreparation		Initial progress	40

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OUTPUT 2.2 Rate of degradation of peatlands by fire reduced	Average no. of fires in pilot areas	To be determined at project start-up	Number of fires reduced by 10% in pilot areas by Y4	Fire Hotspot maps ; Project progress report	Indonesia will do the analysis, for Riau has been completed	About 2000ha affected by fire in RMFR in 2009/early 2010. No major fire in RMFR since the project started in 2010 to mid 2012, but Jul-Sept 2012 about 400 ha of the FR has burned down during the dry spell despite all preventive action taken. (Msia has kept fire data on RMFR since 2000) To date in 2013 Fire at RMFR affected less thanb 10ha	No fire in pilot sites during project period	No fire in pilot sites during project period			Trained personnel are not transferred prematurely; No extreme El Niño event or environment disruption that could induce peat fires	No major fires in 2010-mid 2012. Fires in project sites in mid 2012 at start of el-nino related drought significant - but in malaysia smaller area burnt compared to 2009 and last el nino year in 2006.	60
	Regional map of fire prone peatlands	No maps available	Maps of fire prone peatlands being made available by Y3	Map of fire prone peatland areas	Separate maps in parts of Indonesia.	Fire risk map available for NSPSF. DOE has produced fire prone map for Malaysia. MMD hosts the Forest Fire Information System (FORFIS) developed by Malaysian Remote Sensing Agency to provide information/ update on any fire and/or haze related situation in Malaysia.	No fires			Awaiting data. Regional map to be developed	No extreme El Niño event or environment disruption that could induce peat fires	Regional map to be developed by integrating information from countries	30
	Extent of peatland fire prevention measures being practiced - zero burning & controlled burning	To be determined at project start-up	Local governments adopting fire prevention schemes for peatlands increased by 30% by Y3	Project Progress Report	on going	Zero burning is standard practice for all palm oil plantations in Malaysia. Control burning is adopted for other types of open burning and enforced by both federal and local government authorities. Lead agency for monitoring and reporting is DOE. SOP for fire prevention programme in targeted fire prone peatland areas available since 2009. Significant improvement in fire prevention measures in RMFR starting 2012.	Training provided to fire fighters in peatland fir prevention and control	Report of integrated fire and water management in peatlands of UMTNP. There has not been any fire in peatlands since project implementation				improvement in fire prevention in Malaysia, Philippines, Vietnam, and Indonesia	75
	Peatland fire prediction and warning system/ development and usage of FDRS in peatland fire	Not existing	System established by Y2 and operating in 2 countries by Y4. FDRS to be actively used by 2 countries by Y4.	Progress report	National working group on FDRS was formed.	Fire Danger Rating System (FDRS) has been developed tested and verified by Malaysia Meteorology Department (MMD) for the State of Selangor. The system has been expanded for Peninsular Malaysia and other ASEAN countries, and updated to incorporate Google Earth technology.				System under development since 2010 and operating in 2012. Lead by MMD, Malaysia	Continued willingness of local governments to address issue of peat fires	System established in 2011 and operating in indonesia and malaysia in 2012. promoted through AATHP. Further refinements underway in 2013	75
	Number of fire prone peatlands with drainage control measures	Limited	Recognition by 10% of local authorities of the need to address drainage by Y2 and 20% by Y5	Progress report	on going	Drainage control measures established at the pilot site as well as in other fire prone peatland areas throughout Malaysia. Example include Kuala Langat, Pekan, Miri, etc.	NA	New method of integrated fire and water management in peatlands of UMTNP				Significant improvement in Malaysia in 2012/2013	80

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	Ground-truthing of information collected from hotspot maps	No ground-truthing being done	Ground-truthing of information from hotspot maps at pilot sites		Ground -truthing by Local Institution	Ground thruthing by DOE and other government agencies previously were based on hotspot maps, whereas nowday it is based on FDRS maps. At the pilot site the activity involves mobilizing local communities. Real-time monitoring for the pilot site is facilitated by installation of automated weather station at the nearby Ladang Tennamaram in Feb 2012 by MMD.	NA			Discussed at workshops and to be promoted. Proactive monitoring and reporting by relevant agencies is crucial. Hotspots now incorporated into FDRS system		Discussed at workshops and to be promoted. Proactive monitoring and reporting by relevant agencies is crucial. Hotspots now incorporated into FDRS system	30
OUTPUT 2.3 Conservation measures for peatland biodiversity enhanced at identified critical sites	No. of peatland areas identified regionally for conservation	Limited information of priority peatlands for conservation	List of peatlands important for biodiversity compiled in 3 countries by year 3	Database of peatland areas for conservation; Project Progress Reports	Sebangau NP ; Berbak NP ; Giam Siak Kecil (biosphere reserve) & Zamrud	2 peatland sites in Sarawak is already identified for biodiversity conservation and gazetted as National Parks i.e. Maludam NP & Loagan Bunut NP.	Caimpugan Peatland (now part of proposed Agusan Marsh Wildlife Sanctuary Expansion).	UMTNP designated as ASEAN Heritage Park		Initial preparation of site lists underway – but limited progress	Government willing to designate identified peatlands as protected area	Initial preparation of site lists underway – but limited progress	30
	Level of protection of peatland conservation areas	Limited	Priority sites for establishment of conservation areas on peatland agreed in at least 3 countries by Y4	Assessment reports	Protection Areas (Nature reserve, Nasional Park), and Protection Forest	In Selangor, peatswamp forest areas eg. NSPSF & KLSPSF are protected because of the 30 years monotorium on logging activities.	Potential area identified locally for conservation -Leyte Sab-a as critical habitat					Initial progress	30
OUTPUT 2.4 Guidelines for integrated peatland management developed and promoted for peatland areas in the region	Guidelines for integrated management of peatlands	Limited guidelines available	Guidelines developed, promoted and being applied by all countries by Y4	Project Progress Report	Permentan No.14/ 2009 Ministry decree on Plantation delopment on Peatland, Kepmen LH on development of EIA in Wetland	BMP guidelines for palm oil plantation on peat have been developed by both MPOB (2011) and RSPO (2012). BMP guidelines for agricultural practices on peat has been developed by MOA and MARDI. FDPM is collaborating with FRIM to document the BMPs from the demonstration sites i.e. KLSPSF, SEPPSF, Loagan Bunut NP and Klias FR.				BMP for Existing Oil Palm Plantation on Peatland. Development of Integrated Peatland Planning Guideline initiated.	Willingness of stakeholders to accept guidelines and use them	Activity initiated in 2012; workshop organised in July 2012; consultant appointed to draft guidelines; draft scheduled for completion in september 2013.	30
	Local guide book for planners and developers for peatlands	None	Local guide book developed and disseminated to all countries by Y4	Progress Report: Awareness materials			Guideline for local planner initiated	Guidelines of integrated fire and water management in peatlands of UMTNP		Development of Integrated Peatland Planning Guideline initiated	Ideas proposed are workable on the ground	Activity initiated in 2012; preliminary draft developed in 2013.	30

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OVERALL PROJECT Outcome 3: Integrated management and rehabilitation demonstrated and implemented at targeted peatlands														
OUTPUT 3.1 Sustainable management options for peatlands showcased through demonstration projects	Regional network of pilot and demonstration sites	No network	Regional network established by Y3 and promoted in the region for study tour	Awareness materials						Initial efforts to establish network. More work needed	Expertise available to carry out the work in the demo sites	Initial efforts to establish network	30	
	No of sites designated as demonstration sites for BMP	Limited demo sites for peatland management	At least 10 sites in 3 countries designated by Y4	Progress Reports; Materials	Rasau Jaya,West Kalimantan	3 sites in Malaysia - Southeast Pahang Peat Swamp Forest (SEPPSF), Klias Peat Swamp Forest and Logan Bunut NP		?		on-going compilation of sites (PA: BMP: HCVF:)	Access to pilot and demo sites are not limited	Limited progress. More work needed. Try to have 10 sites Identified by July 2013. Need to finalise procedure to designate sites in the network	30	
OUTPUT 3.2 Maintenance and rehabilitation activities implemented in identified critical peatland sites (pilot sites) implemented	Rehabilitation activities at demonstration sites and in degraded peat areas	None	Rehabilitation successfully carried out in 500ha in project sites by Y4;	Progress Reports; Tech report on rehabilitation activities	Indonesia rehabilitation initiated	Planting an area of 60 ha in Compt. 99 & 100 Raja Musa FR. Treatment was also carried out in the area that was planted in 2011 in Compt 55 of Kuala Langat Selatan FR. It comprise an area of 70 ha. From 2008-2009, 850 units of small and medium sized dams were constructed by SFD. Two concrete check dams were also installed at Parit 4 & Parit 7 of RMFR.	Proposed 10 ha - Agusan Pilot Site and in Leyte Sab-a.	10 ha UMTNP				290 ha rehabilitated in Malaysia, Philippines and Vietnam (note this specific target not in national targets)	75	
	Guidelines on peatland rehabilitation	Available guidelines limited to specific sites	Guidelines developed being widely used for rehabilitation and restoration of degraded peatlands Y3	Progress report		FRIM to produce the Manual on peatland rehabilitation programme through smart partnership activities with FDP. Work started in early April 2013.		Draft of guidelines developed for rehabilitation and restoration of peatlands in UMTNP		Guidelines for maintenance and rehabilitation of PSF for oil palm sector developed in 2011/2012 and printed/distributed.		Guidelines finalised in partnership with RSPO and promoted in2012/13	100	

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OUTPUT 3.3 Integrated Management Planning for identified critical sites developed and adopted	Management Plan at UMTNP	None	Management plan for UMTNP revised by Y3	Viet Nam Progress Reports				UMTNP management plan review underway. Should be completed in 2012.				management plan being finalised	90
	Integrated Management Strategies at NSPSF and buffer zone	Outdated	Revised Management strategy for NSPSF adopted by Y3 Management Plan for Raja Musa Forest Reserve adopted by Y4	Malaysia Progress Report		IMP for NSPSF to be conducted in 2013/2014. . Tender document for IMP already prepared and uploaded in the MoF "e-Perunding" system. Meeting for selection of consultants will be called soon.						Some preparatory work undertaken	15
	Land use planning at demonstration sites in The Philippines	Limited	Land use planning on peatland adopted for development projects by local governments by Y3	Philippine progress report			Initiated.					Initiated	30
	Stakeholder involvement in peatland management in Indonesia	Limited Stakeholder involvement in peatland management	Key stakeholders actively engaged and involved in peatland management in Riau and Central Kalimantan by Y2	Indonesia Progress Reports	Multiple stakeholders involved in development and promotion of masterplan for peatlands							Multiple stakeholders involved in development and promotion of masterplan for peatlands	30
	District action plan on peatland in West Kalimantan	No stakeholder involvement in peatland management	Action plan adopted by District government by Y2	Provincial regulation on peatland management	Masterplan for peatlands in west Kalimantan developed							Masterplan for peatlands in west Kalimantan developed	100
	Multistakeholder Kampar Pen. Peatland Masterplan	No masterplan & stakeholder participation in peatland management	Stakeholders in Kampar peninsular actively participating in the masterplan development by Y2	Indonesia progress report	Master plan for peatlands in Riau developed with co finance. Masterplan for Kampar is on going activities							Master plan for peatlands in Riau developed with co finance. Masterplan for Kampar is on going activities	25
	Siak Peatland Biosphere Reserve	Biosphere reserve approved but not operational before project start	Biosphere Reserve established and being managed with stakeholder involvement by Y5	Indonesia progress report	Siak Biosphere reserve established prior to project start with co-finance. Project effort focusing on local community involvement							Siak Biosphere reserve established prior to project start with co-finance. Project effort focusing on local community involvement	50

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	Indicators	Baseline	Target		Indonesia	Malaysia	Philippines	Viet Nam	Singapore & Brunei	Regional			
OVERALL PROJECT Outcome 4: Local communities and the private sector actively contributing to sustainable peatland management													
OUTPUT 4.1 Integrated sustainable peatland management implemented in partnership with the private sector through joint activities at identified critical sites	Regional guidelines for peatland plantation practices	Limited guidelines available	Guidelines developed by Y2 and adopted by the private sector by Y4	Report on Guidelines	on going					Guidelines developed in 2011 with OPP in partnership with RSPO and published in July - October 2012: Workshop organised on Forestry and forest plantations in June 2012. Agree to develop guidelines related to this and will be initiated in 2013	Private sector has commitment to follow guidelines	Guidelines developed in 2011 with OPP in partnership with RSPO and published in August-October 2012: Workshop organised on Forestry and forest plantations in June 2012. Agree to develop guidelines related to this and will be initiated in 2013	100
	Level of forest protection in Rokan Peninsula	Limited protection outside concession area	Logging company supporting forest management in buffer zone of concession by Y3	Indonesia Progress Report/ Awareness materials	on going work with PT Diamond raya							Underway	50
	Plantation sector support for peatland management in Riau province	Limited	Plantation sector actively contributing to peatland management, and rehabilitation activities by Y4	Awareness material; Report by provincial government	APRIL and APP di Semenanjung Kampar/Teluk Meranti					Initial consultation with APRIL, APP and OPP – more work needed		More Active support for peatland conservation by Forest and Oil palm plantations in Riau compared to prior to the project	30
	Private sector support for buffer zone management in Selangor Malaysia	Limited and on an <i>ad hoc</i> basis	Peatland protection and rehabilitation incorporated into planning of private property development by Y3; Msia-2,000ha	Assessment reports; Socio-economic surveys			Strategy for buffer zone management to be part of IMP which will be developed in 2013/2014 period . Fire prevention and suppression activity have been carried out with PKPS eg. canal blocking & establishment of clay bund in perimeter buffer. Initial discussions have been conducted with KDEB and Sime Darby plantations to support buffer zone protection and rehabilitation.				Strategy for buffer zone management to be developed in 2012/13. Initial discussions held with Sime darby plantations to support Buffer zone protection and rehabilitation.		Private sector in Buffer zone of Raja Musa Forest reserve more actively supporting conservation of forest reserve and sustainable use of peatlands.

Outcomes and Outputs	Objectively Verifiable Indicators			Means of Verification	Progress to date/detail						Critical Assumptions	Progress to date (Revised July 2013)	Progress % vs target
	Indicators	Baseline	Target		Indonesia	Malaysia	Philippines	Viet Nam	Singapore & Brunei	Regional			
OUTPUT 4.2 Local communities empowered for sustainable peatland management through poverty alleviation, alternative livelihoods and micro-financing	Guidelines for community involvement	None	Guidelines being used by groups in three countries by Y4	Project Progress Reports		Guidelines for community participation developed and a CBO organisation called "Sahabat Hutan Gambut and/or Friends of Peatland Forest" has been established on the 10 August 2012 as a result.				Pocket guide for local community for sustainable agriculture initiated	Communities and other local stakeholders willing to participate	To be developed in 2013	30
	Community Forest Management in Kapuas Hulu District, W. Kalimantan	None	Community Forest Management Plan developed and being implemented by Y3	Project Progress Reports	Study done. Implementaion initiated							Community forest management initiated in Kapuas Hulu	30
	Community livelihood and peatland management activities	None in pilot sites	Community livelihood activities in at least 3 pilot sites by Y3	Progress reports		Initiated and currently undergoing pilot testing at RMFR; 2 main activities chosen i.e. community "seedling buy-back system" to support on-going forest rehabilitation programme and support for community peatland eco-tourism eg. homestay & visit to peatland areas and related activities, including conducting awareness programmes.	initiated and pilot test. PH to provided technical report on Sustainable Agriculture Mgmt	51 Household - green contract. VN to provide translated Green Contract		Documentary of BMP by community initiated		Community engagement enhanced at pilot sites in Indonesia, Malaysia, Philippines and Vietnam and associated livelihoods enhanced	80
	Integrated sustainable peatland farming system in Rasau Jaya, W. Kalimantan	One community group identified for demo project	Local community in Rasau Jaya implementing integrated sustainable peatland farming by Y2 and further develop into demonstration site by Y4	Integrated peatland farming plan documented	Study completed, implementation start in 2012. Plan for community involvement to be provided by ID component							Demonstration plots for sustainabkle peatland farming in Rasau Jaya established.	80

Outcomes and Outputs	Objectively Verifiable Indicators			Means of Verification	Critical Assumptions	Progress to date/follow-up needed
	Indicators	Baseline	Target			Revised July 2012
OVERALL PROJECT OUTCOME 1: Capacity and institutional framework for sustainable peatland management in South East Asia strengthened.						
OUTPUT 1.1 Inter-sectoral policy and planning frameworks for integrated peatland management strengthened at regional, national and local levels	ASEAN Peatland Management Strategy	Not updated	Reviewed and revised in Y4	Report to AATHP on APMS progress	ASEAN Secretariat and member countries continue to support APMS	APMS needs to be reviewed in 2012 (see separate agenda item) Formal RQ needed by ASEC to the countries
	Regional Action Plan on Peatland Management		Countries commit to implementation of RAP in Y1	Project Progress Report	Willingness of governments at national and local levels to continue to participate	Regional action plan needs to be prepared to guide regional activities NAP for Malaysia (approved in 2011), Philippines (approved in 2011) and Viet Nam finalised.
	National Action Plans on Peatland Management adopted	Not developed as a separate plan	National Action Plans for 4 participating countries adopted and implementation initiated by Y1 and revised by Y4	Report to AATHP on APMS progress		Implementation?
		National action plans yet to be adopted	revisions included in other policy frameworks in Indonesia and Viet Nam by Y2	Project Progress Report	Willingness of governments to adopt new policies on peatland management	Indonesia NAP under review approved in 2010. Review has been completed and to be disseminated
	Inclusion of peatland in sectoral policies in Indonesia and Viet Nam					
	Malaysian wetland policy	Limited information inclusion	Revised policy incorporating peatlands adopted in Y3	Policy review papers		
	Incorporation of peatland management into policies and plans related to forest and land-related resources to mainstream peatlands into the appropriate ministries					First meeting on Malaysian wetland policy held in 2011 and key elements of revision drafted (with NRE)
		Policy not revised	Peatland issues addressed in Msia (National Forestry Council), Presidential Decree in Indonesia	Project Progress report		Initial progress to incorporate peat into national policies in Malaysia and Indonesia. Presidential decree being finalised
		Limited				Follow up needed Philippines – Updated NAP has been incorporated into National Development Plan

<p>OUTPUT 1.2 Capacity for peatland management strengthened through training and awareness programmes to support the upscaling of good peatland management practices</p>	No. of govt agencies with trained personnel on peatland management	Limited	60% of related agencies with at least 4 staff with training on peatlands by Y4	Training Needs Analysis Report/ Project Progress Report	Trained personnel remain in the region/ country to assist in achieving targets	Training undertaken in 4 countries (need to verify numbers and range of agencies)
	Regularity of meetings of peatland working groups in participating countries		At least one meeting per year of working groups in each country	Minutes of meetings	Willingness of agencies to share information for better management	Need to confirm regularity of meetings
	Awareness materials produced and disseminated in the region	Limited				
	Media coverage on sustainable peatland management		At least 15 separate materials in 4 languages by Y3	Evaluation of awareness materials by the target audience		X awareness materials produced in 4 languages
			Sustainable peatland management acknowledged as important issue by national and local media through print and electronic media by Y2	Project Progress report/ Inception report		
		To be determined at project start-up	Centre established and being used by external groups by Y4			
	Peatland Education and Management Centre in North Selangor					Need to monitor media coverage on peat issues
		limited	At least 15 separate activities by third parties in 4 countries using project training and awareness materials			
	Capacity building activities using project materials			Education & Management Centre		
	Lessons learned from other nat/ local sites documented to upscale learnings to a wider network			Annual Report		Virtual (outdoor classroom) centre developed in Raja Musa
		None			Local communities willing and motivated to participate	Need to monitor use of project materials by third parties
		None				IND -- TOT Modules translated into Indonesian language for training in Dec 2011 (28 participants from various agencies)
						Initial progress to establish Demo site network
		Limited				

OUTPUT 1.3 Innovative financial mechanisms to support sustainable peatland management and rehabilitation	Regional multi-donor trust fund	Not existing	Established by Y1 and receiving contributions from governments and donors by Y3	Project Progress Reports	Stakeholders willing to contribute to multi donor fund	ASEAN Haze Fund existing – but no major contributors
	Innovative finance mechanisms for peatland management	Not established	At least two Innovative finance mechanisms established in participating countries by Y4	Project Progress Reports	Governments are willing to introduce innovative mechanisms	Climate finance options being developed for sites in Indonesia and Malaysia
	Levels of funds and resources available for peatland management		Significant increase in allocation by participating countries of funds for peatland management by Y4	Annual review of government resource allocations		Level of government funding for peatlands needs to be monitored
		Limited				

OVERALL PROJECT Outcome 2: Reduced rate of degradation of peatlands in South East Asia						
OUTPUT 2.1 Status and trends of peatland degradation in South East Asia determined	Status and trends of peatlands in the SEA region	Limited information available	Status and trends of peatlands in the region documented by Y2 and updated by Y4	Technical reports		Initial work on regional directory initiated. <i>More contributions from countries needed</i>
	National peatland status reports	Unavailable	Available in at least two countries by Y4			Malaysia preparing directory in 2012
	Studies on carbon storage in peatland	Limited	Studies on carbon storage underway in 2 countries by Y4	Project Progress Report	Access to data on peat areas, status and trends made available by cooperating agencies	Carbon storage studies at project sites in Indonesia and Malaysia underway
	Studies on impact of climate change on peatlands and adaptation options(drop)		Studies initiated in at least 2 countries by Y4	Project Progress Report		No progress so far
		None		Articles and publications published		
OUTPUT 2.2 Rate of degradation of peatlands by fire reduced	Average no. of fires in pilot areas (drop)	To be determined at project start-up	Number of fires reduced by 10% in pilot areas by Y4	Fire Hotspot maps	Trained personnel are not transferred prematurely	<i>Needs monitoring/analysed</i>
				Project Progress Report		(PHI and VN no fire during the project period; no major fire in RMFR since 2010 (MY has fire data on RMFR since 2000); IND will do the analysis)
	Regional map of fire prone peatlands	No maps available	Maps of fire prone peatlands being made available by Y3	Map of fire prone peatland areas	No extreme El Niño event or environment disruption that could induce peat fires	Separate maps in parts of Malaysia and Indonesia <i>Regional map to be developed</i>
			Local governments adopting fire prevention schemes for peatlands increased by 30% by Y3		Continued willingness of local governments to address issue of peat fires	<i>Needs to be documented</i>
	Extent of peatland fire prevention measures being practiced - zero burning & controlled burning	To be determined at project start-up		Project Progress Report		
			System established by Y2 and operating in 2 countries by Y4 (FDRS to be actively used by 2 countries by Y4)			
	Peatland fire prediction and warning system/ development and usage of FDRS in peatland fire	Not existing	Recognition by 10% of local authorities of the need to address drainage by Y2 and 20% by Y5	Progress report		
			Standard definition for degradation formed and accepted by ASEAN countries	Review by ASMC(drop)		
	Number of fire prone peatlands with drainage control measures		Ground-truthing of information from hotspot maps at pilot sites			System under development since 2010 and operating in 2012
	Definition of degradation	Limited		Review by ASMC(drop)		<i>To be monitored – should focus on pilot areas not whole country</i>
	Ground-truthing of information collected from hotspot maps	Not standardised				No progress
		No ground-truthing being done				<i>Discussed at workshops but not yet implemented. To be promoted</i> <i>Hotspots now incorporated into FDRS system</i>

OUTPUT 2.3 Conservation measures for peatland biodiversity enhanced at identified critical sites	No. of peatland areas identified regionally for conservation	Limited information of priority peatlands for conservation	List of peatlands important for biodiversity compiled in 3 countries by year 3	Database of peatland areas for conservation	Assessment reports	Initial preparation of site lists underway – but limited progress
	Level of protection of peatland conservation areas	Limited	Priority sites for establishment of conservation areas on peatland agreed in at least 3 countries by Y4	Project Progress Reports	Government willing to designate identified peatlands as protected area	PHI – identified locally for conservation; IND – Sebangau NP (status not clear, more documentation needed), Berbak NP (status confirmed as NP), Giam Siak Kecil & Zamrud No progress on conservation except for Selangor (KLSPSF)
OUTPUT 2.4 Guidelines for integrated peatland management developed and promoted for peatland areas in the region	Guidelines for integrated management of peatlands Local guide book for planners and developers for peatlands	Limited guidelines available None	Guidelines developed, promoted and being applied by all countries by Y4 Local guide book developed and disseminated to all countries by Y4	Project Progress Report Progress Report Awareness materials	Willingness of stakeholders to accept guidelines and use them Ideas proposed are workable on the ground	Activity to be initiated 2012 Activity to be initiated 2012
OVERALL PROJECT Outcome 3: Integrated management and rehabilitation demonstrated and implemented at targeted peatlands						
OUTPUT 3.1 Sustainable management options for peatlands showcased through demonstration projects	Regional network of pilot and demonstration sites No of sites designated as demonstration sites for BMP projects	No network Limited demo sites for peatland management	Regional network established by Y3 and promoted in the region for study tour At least 10 sites in 3 countries designated by Y4	Awareness materials Progress Reports materials	Expertise available to carry out the work in the demo sites Access to pilot and demo sites are not limited	Initial efforts to establish network <i>More work needed</i> <i>Try to have 6 sites IDed by November</i> <i>Need to finalise procedure to designate sites in the network</i>
OUTPUT 3.2 Maintenance and rehabilitation activities implemented in identified critical peatland sites (pilot sites) implemented	Rehabilitation activities at demonstration sites and in degraded peat areas Guidelines on peatland rehabilitation	None Available guidelines limited to specific sites	Rehabilitation successfully carried out in 500ha in project sites by Y4 Philippines –Agusan (6,000) & Leyte Sab-a (3,000) Msia – 4,000 ha (incl 2,000 private land) Indonesia – (4 sites) Viet Nam - 4,000 ha Guidelines developed being widely used for rehabilitation and restoration of degraded peatlands Y3	Progress Reports Tech report on rehabilitation activities Progress Reports		Rehabilitation initiated at pilot sites in Malaysia (RMFR 10, K Langat 60- 150 ha total) and ... Target in PH 10 ha, in VN – no specific areas targeted, ID - ? Guidelines for maintenance rehabilitation of PSF for oil palm sector developed in 2011/2012. Guidelines for the forestry sector to be developed for 2013.

<p>OUTPUT 3.3 Integrated Management Planning for identified critical sites developed and adopted</p>	Management Plan at UMTNP	None	Management plan for UMTNP revised by Y3	Viet Nam Progress Reports	UMTNP management plan review underway. Should be completed in 2012
	Integrated Management Strategies at NSPSF and buffer zone	Outdated	Revised Management strategy for NSPSF adopted by Y3 Management plan for Raja Musa Forest Reserve adopted by Y4	Malaysia Progress Report	IMP NSPSF to be conducted in 2012/2013
	Land use planning at demonstration sites in The Philippines		Land use planning on peatland adopted for development projects by local governments by Y3 Key stakeholders actively engaged and involved in peatland management in Riau and Central Kalimantan by Y2		
	Stakeholder involvement in peatland management in Indonesia	Limited	Action plan adopted by District government by Y2	Philippine progress report	Philippines... initiated
	District action plan on peatland in West Kalimantan			Indonesia Progress Reports	To be determined/monitored
		Limited	Stakeholders in Kampar peninsular actively participating in the masterplan development by Y2		
	stakeholder involvement in peatland management			Provincial regulation on peatland management	
	Multistakeholder Kampar Pen. Peatland Masterplan		Biosphere Reserve established with full stakeholder involvement by Y5		
		No stakeholder involvement in peatland management		Indonesia Progress Reports	
		no masterplan Stakeholder participation in peatland management			Masterplan for peatlands in west Kalimantan prepared
	Siak Peatland Biosphere Reserve			Indonesia Progress Reports	Master plan for peatlands in Riau developed with co finance. Masterplan for Kampar – pending appointment of consultant Siak Biosphere reserve established prior to project start with co-finance – revise target? To inform and involve local communities
		No biosphere reserve			

OVERALL PROJECT Outcome 4: Local communities and the private sector actively contributing to sustainable peatland management						
<p>OUTPUT 4.1 Integrated sustainable peatland management implemented in partnership with the private sector through joint activities at identified critical sites</p>	Regional guidelines for peatland plantation practices	Limited guidelines available	Guidelines developed by Y2 and adopted by the private sector by Y4	Report on Guidelines		Guidelines developed in 2011 with OPP in partnership with RSPO and to be published in July 2012.
	Level of forest protection in Rokan Peninsula	Limited protection outside concession area	Logging company supporting forest management in buffer zone of concession by Y3	Indonesia Progress Report/ Awareness materials		Workshop organised on Forestry and forest plantations in June 2012. Agree to develop guidelines related to this
	Plantation sector support for peatland management in Riau	Limited	Plantation sector actively contributing to peatland management, and rehabilitation activities by Y4	Awareness material	Private sector has commitment to follow guidelines	Need to clarify status of work with PT Diamond raya. Ongoing activities
	Private sector support for buffer zone management in Selangor Malaysia	Limited and on an ad hoc basis	Peatland protection and rehabilitation incorporated into planning of private property development by Y3 Misia - 2,000ha	Report by provincial government Assessment reports Socio-economic surveys		Initial consultation with APRIL, APP and OPP – more work needed. Strategy for buffer zone management to be developed in 2012. Initial discussions held with Sime darby plantations to support Buffer zone protection and rehabilitation.
<p>OUTPUT 4.2 Local communities empowered for sustainable peatland management through poverty alleviation, alternative livelihoods and micro-financing</p>	Guidelines for community involvement	None	Guidelines being used by groups in three countries by Y4 Community Forest Management Plan developed and being implemented by Y3	Project Progress Reports		To be developed in 2012
	Community Forest Management in Kapuas Hulu District, W. Kalimantan			Project Progress Reports		Pocket guide for local community.
	Community livelihood and peatland management activities	None	Community livelihood activities in at least 3 pilot sites by Y3			status: study done> implementation in 2012. ID component to provide plan for community involvement
	Integrated sustainable peatland farming system in Rasau Jaya, W. Kalimantan	None in pilot sites	Local community in Rasau Jaya implementing integrated sustainable peatland farming by Y2 and further develop into demonstration site by Y4	Progress reports	Communities and other local stakeholders willing to participate	Livelihood activities being planned in Philippines and Malaysia.
		One community group identified for demo project		Integrated peatland farming plan documented & report		?? status: study done> implementation in 2012. ID component to provide plan for community involvement PH to provide technical report on Sustainable Agriculture Mgmt VN to provide translated Green Contract