

Annex 4.2. Summary of ER Activities and sub-activities

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
1. Forest and land governance	1.1 Strengthening the licensing regime	1.1.1 Revoking overlapping and non-clean and clear permits, and enforcing the licensing moratorium	Facilitating enforcement of revocation of Non-CnC (non-clear and non clean) mining permit	IPPKH; Pertambangan	Governor decree on revoke mining permit	EK Energy and Mineral resources service (ESDM)
		1.1.2 Improving policies on transparency and access to information related to licensing	Strengthening Information Management and Documentation Officers in transparency of licensing process	IUPHHK-HA; IUPHHK-HT; Kebun - HGU, Kebun -IUP, and Kebun - Non Ijin; IPPHK; KBK-Non Ijin	1 standard operational procedure on licensing transparency	EK Investment and Licensing Integrated service (DPMPTSP)
		1.1.3. Facilitating Social Forestry licenses	Facilitating acceleration of licensing issuance of social forestry for community	PIAPS, KBK-Non Ijin	Ministrial decree of social forestry licenses	DG-SF MoEF, EK Forestry service
	1.2 Dispute Settlement	1.2.1 Settlement of existing land tenure disputes	Strengthening conflict resolution related regulatory framework	Province	List of settlement of land conflicts in forest areas	EK Forestry agency
			Verification on tenurial conflict (Land object of agrarian reform/TORA)	Province	List of settlement of land conflicts in forest areas	EK Forestry agency
		1.2.2 Development of a policy on cross-sectoral dispute settlement	Strengthening institutions for complaints and dispute settlements of the environment and forestry cases	Province	All disputes are resolved	EK Environmental service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Facilitating development policy on cross sectoral dispute settlements	Province	1 governor regulation on dispute settlements	EK Economic Bureau
	1.3 Support for the recognition of adat land	1.3.1. participatory mappings in 200 villages for adat recognition	Facilitating on preparation of participatory mappings for adat recognition	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Training on participatory mappings for adat recognition	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Implementation of participatory mappings for adat recognition that is incorporated with ER Program	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
		1.3.2. establishment of adat communities	Facilitating on establishment of adat communities	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
	1.4. Strengthening village spatial planning	1.4.1. Technical support for Village Low Emission Development Planning	Facilitating on preparation of village spatial and village development plan which inline with ER Program	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Training on Kampung iklim (green villages) - spatial and delopment planning	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Implementation of village spatial and village development plan that is incorporated with ER Program	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Training Village Information System integrated to Climate Change	APL non Ijin	150 villages in 7 district	EK Environmental service
			Implementation of Village Information Sytem	APL non Ijin	150 villages in 7 district	EK Environmental service
			Village forest patrolling	APL non Ijin	150 villages in 7 district	EK Environmental service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Training on Community Based Forest Fire management	APL non Ijin	150 villages in 7 district	EK Environmental service
			Facilitating implementation of fire management by community	APL non Ijin	150 villages in 7 district	EK Environmental service
2. Improving forest supervision and administration	2.1. Strengthening administrative capacity	2.1.1. Support for FMU management planning and business development	Strengthening capacity FMU on Business and marketing (entrepreneurship)	21 FMU	1 decree Head of EK Forestry services	EK Forestry service, FMU
			Facilitating Bussiness inside Specific Area by FMU	21 FMU	20 business plan	EK Forestry service, FMU
			Facilitating development of annual work plan FMU	21 FMU	number of FMU that has workplans	EK Forestry service, FMU
			Improving facilities of FMU Center for coordination activities with its members	1 FMU center	All FMU had office and all support equipment	EK Forestry service, FMU
			Improvement standard operational procedure for FMU	21 FMU	1 decree Head of EK Forestry services on 9 SOP for FMU	EK Forestry service, FMU
		2.1.2. Capacity building for FMUs for supervision, social forestry, and forest fire control	Training development of annual work plan and business plan	21 FMU	20 FMU staf trained	EK Forestry service, FMU
			Training on Forest Fire Prevention for FMU and community	21 FMU	20 FMU staf and 40 community trained	EK Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Training on RIL and SFM for FMU	17 FMU	17 FMU and 17 IUPHHK-HA trained of RIL and SFM	EK Forestry service, FMU
			Training on HCV for FMU	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU
			Training on conflict early warning system for FMU	Community around KSA	4 conservation area	DG Conservation MoEF
			Facilitating and monitoring implementation of Social Forestry program on Community by FMU	17 FMU	20 FMU staf trained	EK Forestry service, FMU
			Facilitating and monitoring implementation RIL and SFM on forest concessions by FMU	21 FMU	17 IUPHHK-HA implement RIL	EK Forestry service, FMU
			Facilitating and monitoring implementation HCV on timber plantation by FMU	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU
			Developing manual for strandaried monitoring of RIL Policy protocol by FMU	17 FMU	20 FMU and 17 IUPHHK-HA implement RIL	EK Forestry service, FMU
			Developing manual for strandaried monitoring of HCV Policy protocol by FMU	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Implementing Forest Fire prevention and Control by FMU and Community	21 FMU	50 community groups	EK Forestry service, FMU
			Improving community based Forest Patrolling by FMU and community	21 FMU	50 community groups	EK Forestry service, FMU
		2.1.3 Demarcation of FMU and forest utilization boundaries	facilitating implementation of defined boundary and forest utilization block of FMU	KBK Non-Izin; Perhutanan Sosial	Map of boudary and forest utilization block	DG-Planology MoEF, EK Forestry service, FMU
	2.2. Strengthening provincial and district government to supervise and monitor implementation of sustainable Estate Crops	2.2.1. Strengthening provincial and district government to supervise and monitor implementation of sustainable Estate Crops	Facilitating provincial and district government in monitoring implementation of HCV on estate crops	Kebun-HGU; Kebun-IUP, Kebun-Non Ijin	7 district	Forestry and Environmental training bodies MoEF, EK Estate Crop service EK Forestry service, FMU
			Training on HCV management for estate crops service	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Training ISPO for estate crop service	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Commitment declaration of government and private sectors' at district level to implement sustainable estate crops	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Facilitating consultation between and within local	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			government (province and district governments) and private sectors			
			Technical assistance on sustainable estate crop implementation of the commitments done by private sectors	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistance implementation of the commitments done by district governments	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	7 districts	EK Estate Crop service
			Technical assistant estate crop companies in complying ISPO principles	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistant estate crop companies to improve productivity	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistant implementation of forest fire prevention and control by private sector	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
3: Reducing deforestation and forest degradation	3.1 Implementation of HCV policies for oil palm estates	3.1.1 Private sector commitments on sustainable estate crops	Consultation and discussion between estate crop companies with relevant stakeholders (including communities) in agreeing commitments for	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 estate crops on 2024	EK Estate Crop service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
within licensed areas			implementation of sustainable estate crops			
		3.1.2 Implementation of HCV management by estate crop companies	Training on HCV management for private sector (estate crops)	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops	Private Sector
			Implementing HCV management by estate crop companies	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops	Private Sector
	3.2. Support for Small holders and Fire Prevention	3.2.1 Implementation of Land Fire Prevention and Suppression by smallholders	Technical assistance for land fire prevention and control by smallholders	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 smallholderson 2024	EK Estate Crop service
			Training on community based land fire prevention and control for smallholders	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 smallholderson 2024	EK Estate Crop service
			Providing equipment for smallholders on land fire prevention and control	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 smallholderson 2024	EK Estate Crop service
		3.2.2. Implementation of Land Fire Prevention and Suppression within oil palm estates	Developing Prototype Initiative Model "Partnership System in controlling forest and land fires" for large companies	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 estate crops on 2024	EK Estate Crop service
			Training on communiy based land fire prevention and control for estate crops and community surround estate crops area	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 estate crops on 2024	EK Estate Crop service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Implementation land fire prevention and control by estate crop companies	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops	Private Sector
		3.2.3 Supporting sustainable smallholder EC plantations	Technical assistance to smallholders in complying ISPO principles	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 estate crops on 2024	EK Estate Crop service
			Implementing ISPO in smallholders	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 smallholderson 2024	EK Estate Crop service
	3.3. Implementation of HCV and RIL-C policies for Forestry Concessions	3.3.1. Dissemination of SFM and RIL policies to relevant stakeholders	Disemination of RIL policy to the all forest concessions	IUPHHK-HA	17 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
			Dissemination of HCV policy to industrial timber plantation	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.2. Ensuring RIL conducted by forest concession	Training on RIL and SFM for private sectors (IUPHHK-HA)	IUPHHK-HA	17 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
			Implementation of RIL	IUPHHK-HA	17 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.3. Ensuring the adoption and implementation of HCV policies by timber plantation companies	Training on HCV management for private sectors (IUPHHK-HT)	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
			Implementation of HCV	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
		3.3.4. Developing monetary/non-monetary incentive instrument for adoption of Implementation of RIL and HCV practices	Facilitating Development of monetary/non-monetary incentive instrument for adoption of Implementation of HCV practices	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
			Facilitating Development of monetary/non-monetary incentive instrument for adoption of Implementation of RIL practices	IUPHHK-HA	17 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.5. Reducing deforestation and forest degradation within logging concessions by finalizing the RIL-C policy.	Enforcing implementation of RIL policy at field level	IUPHHK-HA	17 commitment from IUPHHK-HA	EK Forestry service, FMU
4: Sustainable Alternatives for Communities	4.1. Sustainable livelihoods	4.1.1 Developing new-model swidden-agriculture with community, sustainable peat land agriculture, and Utilizing riparian lands for development of paddy's field with community	Identification areas for facilitation of new-model swidden-agriculture	APL non Ijin (dryland)	20 village in 2 district	EK Agriculture service, DPMPD
			facilitating Implementation of swideen-agrculture	APL non Ijin (dryland)	20 village in 2 district	EK Agriculture service, DPMPD
			Training on sustainable swidden agriculture	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Implementation of sustainable swidden agriculture	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD
			Training on peat land agriculture (paludiculture)	APL non Ijin (peat land)	10 village in 2 district	EK Agriculture service, DPMPD
			Implementation on peat land agriculture (paludiculture)	APL non Ijin (peat land)	10 village in 2 district	EK Agriculture service, DPMPD
			facilitating community in preparing utilization of swamp riparian land for paddy's field (to avoid opening paddy field inside the forest)	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD
			Implementation of riparian land for paddy's field	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD
		4.1.2. Enhancing sustainable mangrove practices	Facilitating introduction of sustainable mangrove management (ecotourism, silvofishery, etc) to community and district governments	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Training on sustainable mangrove management (ecotourism, silvofishery, etc)	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Facilitating alternative business in mangrove forests	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Facilitating implementation of Ecotourism in Mangrove	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Facilitating implementation of Nipah Sugar business and its marketing	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Lingking the small holders with the existing small grant programs as part of the access to finance training.	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Training on microfinance to small holders	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
		4.1.3. Developing alternative fresh-water fishery	Facilitating community in preparing cultivation of fresh-water fish	APL non Ijin (peat land)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			implementation of cultivation of fresh water fish	APL non Ijin (peat land)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Training cultivation of fresh-water fish	APL non Ijin (peat land)	30 village in 3 district	EK Estate Crop service, EK Disaster Management Agencies
	4.2. Conservation Partnerships	4.2.1. Building community commitment and partnership	Conflict identification in conservation forest	KSA/KPA (CA Teluk Adang, CA Teluk	4 conservation area	DG Conservation MoEF

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
		in conservation forest area management		Apar, Tahura Lati Petangis, TN Kutai)		
			Facilitating conflict resolution in conservation forest	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
		4.2.2 Capacity Building for Community in conservation forest	Training on joint protection and fire prevention and control on conservation forest between conservation area agency and community	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
			Providing fire protection and control equipment to social forestry groups	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
			Training on utilization of areas for community livelihood surround conservation forest	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
			Training of Community on conflict early warning system	Community around KSA	4 conservation area	DG Conservation MoEF
		4.2.3 Facilitating implementation of conservation forests by community	Joint protection and fire prevention and control on conservation forest between conservation area agency and community	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
	4.3. Social Forestry	4.3.1 Capacity Building of Social Forestry for Community	Training of Social Forestry Groups on development of working plan (RKU) (including coaching and mentoring)	Perhutanan Sosial, KBK-Non Ijin	50 village	EK Forestry service, FMU
			Training of Social Forestry groups on development of Business plan (BP) (including coaching and mentoring)	Perhutanan Sosial, KBK-Non Ijin	50 village	EK Forestry service, FMU
			Training of Social Forestry groups on SF management (including coaching and mentoring)	Perhutanan Sosial, KBK-Non Ijin	50 village	EK Forestry service, FMU
			Training of Social Forestry groups on community based conflict early warning system (including coaching and mentoring)	Perhutanan Sosial, KBK-Non Ijin	50 village	EK Forestry service, FMU
			Implementation of Village Forest Management	Perhutanan Sosial, KBK-Non Ijin	50 village	EK Forestry service, FMU
6. Program Management and Monitoring and Evaluation	Program coordination and management	Management and coordination of ER program implementation across levels	Strengthening institution for ER project management and coordination across sectors	National; Province	standard operational procedure	DGCC MoEF, FOERDIA, DDPI Kaltim
			Develop coordination mechanism (working group at	National; Province	standard operational procedure	DGCC MoEF, FOERDIA, DDPI Kaltim

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			sub-national, and focal points in each relevant sectoral agency)			
			Coordination meeting for management	National; Province	Institutional agreement	DGCC MoEF, FOERDIA, DDPI Kaltim
		Provision of operating costs for ER program implementation	Develop financial management system for ER program	National; Province	Identifying financial sources and management guideline	DGCC MoEF, FOERDIA, DDPI Kaltim
			Training on Financial management	National; Province		
			Coordination meeting financial management	National; Province	Institutional agreement	DGCC MoEF, FOERDIA, DDPI Kaltim
			Ensuring benefit sharing plans implemented and fairly distributed	National; Province	Institutional agreement	DGCC MoEF, FOERDIA, DDPI Kaltim
	Monitoring and evaluation	Implementation of monitoring and evaluation for ER program implementation	Training on SESA and ESMF	National; Province	ESMF Guideline	DGCC MoEF, DDPI Kaltim
			Monitoring and evaluation of SESA and ESMF implementation	National; Province	SESA Plan Developed	

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Training on ER program Monitoring (incl. safeguards and KLHS)	National; Province	Safeguard on ESMF (including FGRM) developed and implemented (Report)	DGCC MoEF, DDPI Kaltim
			Monitoring and evaluation of ER Program implementation	National; Province	MRV developed and operational	DGCC MoEF, DDPI Kaltim
			Develop HCV monitoring system	National; Province	HCV monitoring system developed	
			Implementation of HCV monitoring system	National; Province	HCV monitoring system Report	
		Measurement and Reporting	Improving activity data through ground thruthing	National; Province	decrease uncertainty	DGCC MoEF, DDPI Kaltim
			Improving emission factor data through Permanent Sampling Plot	National; Province	decrease uncertainty	DGCC MoEF, DDPI Kaltim
			Development capacity on Measurement ER	National; Province	2 staf each agencies	EK Environmental service, EK Estate Crop service
			Updating satellite imagery on ER Accounting Area	National; Province	Report on ER Accounting Area from update satellite Imagery	

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Develop sub-national MMR System (including SIS)	National; Province	1 web-based sub-national MR	EK Environmental service
			Training on MMR	National; Province		
			Implementation sub-national MMR (including SIS)	National; Province	MRV report	EK Environmental service
	Program communication	Knowledge management	Knowledge Management database development and maintainance	National; Province	1 web-based database	FOERDIA, DDPI Kaltim
			Developing information, education and communication materials of ER Program implementation for shared learning	National; Province	3 publication	FOERDIA, DDPI Kaltim
		Information dissemination	Establish and maintain ER program website	National; Province	weekly update	DGCC MoEF, DDPI Kaltim
			Disemination of information, education and communication materials of ER Program implementation for shared learning	National; Province	annual report	DGCC MoEF, DDPI Kaltim