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 mining permits	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 transparancy	EK Investment and Licensing Integrated service (DPMPTSP)
		1.1.3. Facilitating Social Forestry licenses	Facilitating acceleration of issuance of social forestry licenses	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 the regulatory framework related to conflict resolution	Province	List of settlement of land conflicts in forest areas	EK Forestry agency
			Verification of 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 settlement of environmental and forestry cases	Province	All disputes are resolved	EK Environmental service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Facilitating development of policy on cross-sectoral dispute settlement	Province	1 governor regulation on dispute settlements	EK Economic Bureau
	1.3 Support for the recognition of adat land	1.3.1. participatory mapping in 200 villages for adat recognition	Facilitating the preparation of participatory mapping for adat recognition	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Training on participatory mapping for adat recognition	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Implementation of participatory mapping for adat recognition that is incorporated in the 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 the establishment of adat communities	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
	1.4. Strengthening village spatial planning	1.4.1.Technical support for Village Low Emission Development Planning	Facilitating the preparation of village spatial and village development plans which are in line with the ER Program	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
						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 plans that are incorporated in the ER Program	APL non Ijin	150 villages in 7 district	EK Community Empowerment and Village Government service, EK Environmental service
			Training on a Village Information System that integrates Climate Change issues	APL non Ijin	150 villages in 7 district	EK Environmental service
			Implementation of Village Information System	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
			Training on Community Based Forest Fire management	APL non Ijin	150 villages in 7 district	EK Environmental service
			Facilitating implementation of fire management by communities	APL non Ijin	150 villages in 7 district	EK Environmental service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
2. Improving forest supervision and administration	2.1. Strengthening administrative capacity	2.1.1. Support for FMU management planning and business development	Strengthening business capacity of FMUs	21 FMU	1 decree Head of EK Forestry services	EK Forestry service, FMU
			Facilitating FMU businesses in specific areas	21 FMU	20 business plan	EK Forestry service, FMU
			Facilitating development of FMU annual work plans	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 of standard operating procedures for FMUs	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 on development of annual work plans and business plans	21 FMU	20 FMU staf trained	EK Forestry service, FMU
			Training on Forest Fire Prevention for FMUs and communities	21 FMU	20 FMU staf and 40 community trained	EK Forestry service, FMU
			Training on RIL and SFM for FMUs	17 FMU	17 FMU and 19 IUPHHK-HA trained of RIL and SFM	EK Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Training on HCV for FMUs	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU
			Training on conflict early warning system for FMUs	Community around KSA	4 conservation area	DG Conservation MoEF
			Facilitating and monitoring implementation of community Social Forestry programs by FMUs	17 FMU	20 FMU staf trained	EK Forestry service, FMU
			Facilitating and monitoring implementation of RIL and SFM on forest concessions by FMUs	21 FMU	19 IUPHHK-HA implement RIL/SFM	EK Forestry service, FMU
			Facilitating and monitoring implementation of HCV policies on timber plantations by FMUs	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU
			Developing manual for standardized FMU protocol for monitoring of RIL policy	17 FMU	20 FMU and 19 IUPHHK-HA implement RIL	EK Forestry service, FMU
			Developing manual for standardised FMU protocol for monitoring of HCV Policy	15 FMU	15 FMU and 20 IUPHHK-HT trained of HCV	EK Forestry service, FMU
			Implementing Forest Fire prevention and Control by FMUs and communities	21 FMU	50 community groups	EK Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Improving community based Forest Patrolling by FMUs and communities	21 FMU	50 community groups	EK Forestry service, FMU
		2.1.3 Demarcation of FMU and forest utilization boundaries	Facilitating the implementation of FMU defined boundaries and forest utilization blocks	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 governments to supervise and monitor implementation of sustainable Estate Crops	Facilitating provincial and district governments in monitoring the implementation of HCV policy in estate crop areas	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 on ISPO for estate crop service	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
3: Reducing deforestation and forest degradation within licensed areas	3.1 Implementation of HCV policies for oil palm estates	3.1.1 Private sector commitments on sustainable estate crops	Declaration of Commitment by government and private companies 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 government (province and district governments) and private companies	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
			Technical assistance on sustainable estate crop implementation to support private sector commitments	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistance for the implementation of the commitments done by district governments	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	7 districts	EK Estate Crop service
			Technical assistance to estate crop companies for complying with ISPO principles	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistance to estate crop companies to improve productivity	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	100 estate crops on 2024	EK Estate Crop service
			Technical assistance for 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
			Consultation and discussion between estate crop companies with relevant stakeholders (including communities) in agreeing on commitments for implementation of sustainable estate crops	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
		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 community-based land fire prevention and control for estate crops and communities near estate crop areas	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 for complying with ISPO principles	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 estate crops on 2024	EK Estate Crop service
			Implementing ISPO in smallholder areas	kebun-HGU; Kebun-IUP, Kebun-Non Ijin	50 smallholderson 2024	EK Estate Crop service
	3.3. Implementation of HCV and RIL/SFM policies for Forestry Concessions	3.3.1. Dissemination of SFM and RIL policies to relevant stakeholders	Dissemination of RIL policy to all forest concessions	IUPHHK-HA	19 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
			Dissemination of HCV policy to industrial timber plantations	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.2. Ensuring RIL/SFM conducted by forest concession	Training on RIL and SFM for private sector (IUPHHK-HA)	IUPHHK-HA	19 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
			Implementation of RIL	IUPHHK-HA	19 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 sector (IUPHHK-HT)	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Implementation of HCV	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.4. Developing monetary/non-monetary incentives for the adoption and Implementation of RIL and HCV practices	Facilitating Development of incentives for HCV practices	IUPHHK-HT	20 IUPHHK-HT on 2024	EDG-SFM MoEF, Forestry service, FMU
			Facilitating Development of incentives for RIL/SFM practices	IUPHHK-HA	19 IUPHHK-HA on 2024	EDG-SFM MoEF, Forestry service, FMU
		3.3.5. Reducing deforestation and forest degradation within logging concessions by formulating the improvement of RIL/SFM policy.	Enforcing implementation of RIL policy at field level	IUPHHK-HA	19 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, sustainable peat land agriculture, and utilization of riparian lands for paddy fields with communities	Identification of areas for facilitation of new-model swidden-agriculture	APL non Ijin (dryland)	20 village in 2 district	EK Agriculture service, DPMPD
			Facilitating Implementation of new-model swidden-agriculture	APL non Ijin (dryland)	20 village in 2 district	EK Agriculture service, DPMPD

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Training on sustainable swidden agriculture	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD
			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 of peat land agriculture (paludiculture)	APL non Ijin (peat land)	10 village in 2 district	EK Agriculture service, DPMPD
			Facilitating communities in preparing swamp riparian land for paddy fields (to avoid opening paddy field inside the forest)	APL non Ijin (dryland)	10 village in 2 district	EK Agriculture service, DPMPD
			Implementation of development of riparian land for paddy fields	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 communities 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

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Facilitating alternative businesses in mangrove forests	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Facilitating implementation of Ecotourism in mangrove areas	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Facilitating implementation of Nipah Sugar business	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
			Linking smallholders with 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 smallholders	APL non ijin (Mangrove)	30 village in 3 district	EK Coastal and Fisheries service, DPMPD
		4.1.3. Developing alternative fresh-water fishery	Facilitating communities 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 on cultivation of fresh-water fish	APL non Ijin (peat land)	30 village in 3 district	EK Estate Crop service, EK Disaster

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
						Management Agencies
	4.2. Conservation Partnerships	4.2.1. Building community commitment and partnership in conservation forest area management	Conflict identification in conservation forest	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
			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 Communities in conservation forest	Training on joint protection and fire prevention and control in conservation forests between conservation area agencies and communities	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 conservation forest areas for livelihoods	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
			Training of communities on conflict early warning system	Community around KSA	4 conservation area	DG Conservation MoEF

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
		4.2.3 Facilitating implementation of conservation forests by communities	Joint protection and fire prevention and control on conservation forest between conservation area agencies and communities	KSA/KPA (CA Teluk Adang, CA Teluk Apar, Tahura Lati Petangis, TN Kutai)	4 conservation area	DG Conservation MoEF
	4.3. Social Forestry	4.3.1 Capacity Building of communities for Social Forestry	Training of Social Forestry Groups on development of working plans (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 plans (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

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
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
			Developing coordination mechanism (working group at sub-national level, and focal points in each relevant sectoral agency)	National; Province	standard operational procedure	DGCC MoEF, FOERDIA, DDPI Kaltim
			Coordination meeting for management	National; Province	Institutional agreement	DGCC MoEF, FOERDIA, DDPI Kaltim
		Provision of operating costs for ER program implementation	Developing 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 on 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	Training on SESA and ESMF	National; Province	ESMF Guideline	DGCC MoEF, DDPI Kaltim

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
		for ER program implementation				
			Monitoring and evaluation of SESA and ESMF implementation	National; Province	SESA Plan Developed	
			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 Plots	National; Province	decrease uncertainty	DGCC MoEF, DDPI Kaltim
			Developing capacity on ER Measurement	National; Province	2 staf each agencies	EK Environmental service, EK Estate Crop service

COMPONENT	SUB-KOMPONENT	ACTIVITIES	SUB-ACTIVITIES	Location	INDICATORS	KEY ACTORS
			Updating satellite imagery of ER Accounting Area	National; Province	Report on ER Accounting Area from update satellite Imagery	
			Developing sub-national MMR System (including SIS)	National; Province	1 web-based sub-national MR	EK Environmental service
			Training on MMR	National; Province		
			Implementation of sub-national MMR (including SIS)	National; Province	MRV report	EK Environmental service
	Program communication	Knowledge management	Knowledge Management database development and maintenance	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
			Dissemination of information, education and communication materials of ER Program implementation for shared learning	National; Province	annual report	DGCC MoEF, DDPI Kaltim