DETAILED WORKPLAN FOR PARAMETRIC INSURANCE – THAILAND

***Field work pending the progression of the current corona pandemic and directives from Government**

Deliverables

Meetings/workshops/trainings

Activities		Responsibilities	Deliverables		Timeline											
#	Description		Ouput expected (draft and finals)	Delivery date (DD/MM/YYYY)	10/2024	11/2024	12/2024	01/2025	02/2025	03/2025	04/2025	05/2025	06/2025	07/2025	08/2025	09/2025
O 1	DEVELOPMENT OF THE WORK PLAN AND RELATED COMMUNICATION DOCUMENTS															
A 1.1.0	WORK PLAN	RD1, T														
A 1.1.1	Draft detailed work plan & stakeholder review	RD1, T														
A 1.1.2	Final revised detailed work plan	RD1, T														
D 1.1.0	Detailed work plan	RD1, T	detailed work plan	15.11.24												
A 1.2.0	MONITORING AND EVALUATION (M&E) PLAN	RD1, T														
A 1.2.1	Draft M&E plan & stakeholder review	RD1, T														
A 1.2.2	Final revised M&E plan	RD1, T														
D 1.2.0	Monitoring & evaluation plan	RD1, T	monitoring & evaluatio	15.11.24												
A 1.3.0	IMPACT DESCRIPTION DOCUMENT (INITIAL AND FINAL VERSION)	RD1, T														
A 1.3.1	Stakeholder review and identification	RD1, T														
A 1.3.2	Mapping and evidencing outcomes and draft impact description	RD1, T														
A 1.3.3	Final revised impact description	RD1, T														
D 1.3.0	CTCN impact description	RD1, T	CTCN impact descript	30.09.25												
A 1.4.0	CLOSURE AND DATA COLLECTION REPORT AND PROJECT WEBINAR	RD1, T														
A 1.4.1	Draft closure and data collection report	RD1, T														
A 1.4.2	Final revised closure and data collection report	RD1, T														
D 1.4.0	Closure and data collection report	RD1, T	closure and data colle	30.09.25												
A 1.4.3	Prepare & organize project webinar with key stakeholders	RD1, T														
D 1.5.0	Project webinar hosted through the CTCN	RD1, T	project webinar hoste	30.09.25												
O 2	PREPARATORY ANALYSIS FOR BLOCKCHAIN-BASED PARAMETRIC CROP INSURANCE IN THAILAND															
A 2.1.0	ANALYSIS OF THE AGRICULTURAL SECTOR, CROP INSURANCE MARKET AND FARMER EXPERIENCE IN	RD1, T, Fellow														
A 2.1.1	Analysis of the agricultural sector and climate risk impact in Thailand	RD1, T, Fellow														
A 2.1.2	Mapping of crop insurance product landscape	RD1, T, Fellow														
A 2.1.3	Design farmer survey on climate impact and interest in crop insurance	RD1, T, Fellow														
A 2.1.4	Conduct Farmer survey on climate impact and interest in crop insurance	RD1, T, Fellow														
A 2.1.5	Draft report	RD1, T, Fellow														
A 2.1.6	Final revised report	RD1, T, Fellow														
D 2.1.0	Report on agricultural sector, crop insurance and farmer survey	RD1, T, Fellow	report on agricultural	15.01.25												
A 2.2.0	MAPPING OF BLOCKCHAIN-BASED CROP INSURANCE PRODUCTS INTERNATIONALLY	RD1, ETD, T, Fellow														
A 2.2.1	Desktop review	RD1, ETD, T, Fellow														
A 2.2.2	Draft report	RD1, ETD, T, Fellow														
A 2.2.3	Final revised report	RD1, ETD, T, Fellow														
D 2.2.0	Map of blockchain-based crop insurance product internationally	RD1, ETD, T, Fellow	map of blockchain-	15.12.24												
O 3	FORMATION AND REGULAR MEETINGS OF PROJECT WORKING GROUP															
A 3.1.0	MAPPING OF RELEVANT STAKEHOLDERS AND FORMATION OF PROJECT WORKING GROUP	RD1, T														
A 3.1.1	Draft stakeholder Map analysis	RD1, T														
A 3.1.2	Final revised stakeholder map and ToRs	RD1, T														
D 3.1.0	ToRs and list of members of the project working group	RD1, T	ToRs and list of	31.10.24												
A 3.2.0	2-DAY KICK-OFF AND PREPARATION WORKSHOP FOR THE TECHNICAL AND ECONOMIC FEASIBILITY OF	RD1, ETD, CBD, Fellow														
A 3.2.1	Prepare inception workshop materials and report	RD1, ETD, CBD, Fellow														
D 3.2.0	Inception workshop materials and report	RD1, ETD, CBD, Fellow	inception workshop	15.12.24												
A 3.2.2	Hold 2-day inception workshop	RD1, ETD, CBD, Fellow														
A 3.3.0	REGULAR MEETINGS OF THE PROJECT WORKING GROUP	RD1, Fellow, T														
A 3.3.1	Prepare and organise regular monthly project working group (mid-month)	RD1, Fellow, T														
A 3.3.2	Hold monthly project working group	RD1, Fellow, T														
D 3.3.0	Minutes of project working group	RD1, Fellow, T	minutes of project													
O 4	TECHNICAL FEASIBILITY STUDY															
A 4.1.0	ASSESSMENT OF EXTREME WEATHER EVENTS AND AVAILABILITY OF LOCALIZED CLIMATE DATA IN	ETD, Fellow, T														
A 4.1.1	Historical analysis of extreme weather events and their frequency, magnitude and impact on farming	ETD, Fellow, T														
A 4.1.2	Analysis of the availability and granularity of local data sources and points on weather events	ETD, Fellow, T														
A 4.2.0	AVAILABILITY OF DATA ON THEORETICAL LOSS EXPOSURE, AVERAGE INDEMNITY COSTS AND	ETD, Fellow, T														
A 4.2.1	Analysis of open-source models to estimate the effect of weather on crop yields	ETD, Fellow, T														
A 4.2.2	Analysis of model input data requirements, including historical data and biological characteristics of	ETD, Fellow, T														
A 4.3.0	ASSESSMENT OF THE OPTIMAL LEVEL OF GRANULARITY IN LOCATION, PERIL COVERAGE AND 'SUMS	ETD, Fellow, T														
A 4.3.1	Assess feasibility of implementing a solution that contains 100 different trigger locations, versus 10 or 1	ETD, Fellow, T														
A 4.3.2	Assess 'granularity' versus 'fairness trade-offs'	ETD, Fellow, T														
A 4.4.0	EVALUATION OF THE EXISTING DIGITAL INFRASTRUCTURE FOR DISBURSING PAYMENTS	ETD, T														
A 4.4.1	Review current payment processes, user experience and blockchain integration	ETD, T														
A 4.4.2	Risk assessment (security measures, reliability, availability, scalability, compliance and regulations)	ETD, T														
A 4.4.3	Evaluate transaction speed and costs including costs of integration	ETD, T														
A 4.5.0	ASSESSMENT OF THE REGULATORY AND COMMERCIAL INFORMATION REQUIREMENTS	RD3, T														
A 4.5.1	Review legal & regulatory requirements under insurance, data protection and competition law and	RD3, T														
A 4.5.2	Assess implications versus the value-add of a blockchain-based product	RD3, T														
A 4.6.0	DEFINITION OF THE PRODUCT STRUCTURE AND SYSTEM ARCHITECTURE	ETD, T														
A 4.6.1	Product engineering and service architecture design	ETD, T														
A 4.6.2	System architecture design	ETD, T														
A 4.6.3	Potential Blockchain platform selection and integration with external systems	ETD, T														
A 4.7.0	ASSESSMENT OF THE TRADE-OFFS OF BLOCKCHAIN DESIGN AGAINST THE EXISTING 'BUSINESS-AS-USUAL'	ETD, T														
A 4.7.1	Apply the blockchain selection decision tree for the scenario	ETD, T														
A 4.7.2	Assess trade-off of blockchain-based product compared to existing product	ETD, T														
A 4.8.0	MAPPING OF TECHNICAL RISKS AND MITIGATION ACTIONS	ETD, T														
A 4.8.1	Assess risk factors and potential mitigation stategies including erros, security, availability, scalability	ETD, Fellow, T														
D 4.0.0	Technical feasibility study report	ETD, Fellow, T	technical feasibility	31.03.25												
O 5	ECONOMIC FEASIBILITY STUDY															
A 5.1.0	DEFINITION OF THE BUSINESS MODEL OF THE BLOCKCHAIN-BASED PARAMETRIC CROP INSURANCE	RD1, T														
A 5.1.1	Define target customer audience, challenge and solution	RD1, T														
A 5.1.2	Define value-added proposition, go-to-market and growth considerations	RD1, T														
A 5.1.3	Define capital requirements and revenue model	RD1, T														
A 5.2.0	ECONOMIC ASSESSMENT OF POTENTIAL DEMAND, PRICING AND REVENUE	RD1, T														
A 5.2.1	Design farmer survey for potential demand and ability and willingness to pay	RD1, T														
A 5.2.2	Conduct survey and publish report	RD1, T														
A 5.2.3	Develop pricing scheme proposal and revenue projection	RD1, T														
A 5.3.0	ASSESSMENT OF DEVELOPMENT, MAINTENANCE AND RUNNING COSTS	RD1, T														
A 5.3.1	Develop build costs (detailed design, development, testing and deployment)	RD1, T														
A 5.3.2	Develop maintenance and on-going running costs	RD1, T														
A 5.4.0	DEVELOPMENT OF A COST-REVENUE ANALYSIS	RD1, T														
A 5.4.1	Cost-revenue analysis (return on investment/break-even point/pay-back time)	RD1, T														
D 5.0.0	Report on business model with cost-revenue analysis	RD1, T	report on business	30.06.25												
O 6	IMPLEMENTATION ROADMAP FOR A BLOCKCHAIN-BASED PARAMETRIC CROP INSURANCE IN THAILAND															
A 6.1.0	DEVELOPMENT OF AN IMPLEMENTATION ROADMAP	RD1, T														
A 6.1.1	Refine market needs and prioritise product requirements and use cases	RD1, T														
A 6.1.2	Develop roadmap and budget for a proof of concept/minimum viable product	RD1, T														
A 6.1.3	Develop roadmap and budget for a full scale product build out and rollout	RD1, T														
D 6.1.0	Implementation roadmap with financing plan	RD1, T	implementation	31.07.25												
A 6.2.0	DEVELOPMENT OF A CONCEPT NOTE FOR IMPLEMENTATION OF BLOCKCHAIN-BASED PARAMETRIC	ETD, T														
A 6.2.1	Draft concept note	ETD, T														
A 6.2.2	Final revised concept note	ETD, T														
D 6.2.0	Concept note	ETD, T	concept note	31.08.25												
O 7	CAPACITY BUILDING ON BLOCKCHAIN TECHNOLOGY FOR CROP INSURANCE															
A 7.1.0	CAPACITY BUILDING WORKSHOP ON BLOCKCHAIN TECHNOLOGY FOR CROP INSURANCE	CBD, T														
A 7.1.1	Prepare and organise a 1-day capacity building workshop	CBD, T														
A 7.1.2	Prepare and organise a final conference/webinar on blockchain technology	CBD, T														
D 7.1.0	Capacity building material and report	CBD, T	capacity building	30.09.25												
D 7.2.0	Final conference/webinar report	CBD, T	final	30.09.25												