



**UNITED NATIONS DEVELOPMENT PROGRAMME
COUNTRY: MALAYSIA
PROJECT DOCUMENT**

Project Title: Strengthening Research and Innovation Ecosystem – Phase 1

Project Number: ATLAS Award ID: 00142723; ATLAS Project/Output ID: 00130897

Implementing Partner: Manufacturing Industry, Science and Technology Division, EPU

Start Date: 1 Jun 2022 **End Date:** 31 December 2022

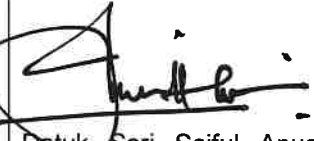


Brief Description

One of the development challenges that Twelfth Malaysia Plan (12MP) addresses is related to unproductive innovation ecosystem (Chapter 10, Developing Future Talent) and insufficient Investment in Research, Development, Commercialisation (Chapter 11, Boosting Digitalisation, Advanced Technology and Innovation). Investing in Malaysia's abilities in harnessing its inherent capacity to create its own development solutions where R&D investments that are locally produced, innovative, game-changing, scalable, applicable, safe, impactful can provide a long-term solution post COVID-19 and for increasing the economic growth and development of the economy.

In this regard, EPU and UNDP intend to support the strengthening the Malaysia's innovation and research ecosystem by collecting successful local and indigenous case studies and to then organize a 2-day conference (& exhibition) to show case them, in partnership with key Ministries and agencies. The conference takes a broad policy perspective on Commercialization and Innovation (C&I) policy and practices, based on experiences drawn from the country's innovation systems and that of advanced economies, with a particular focus on investment incentives, networks and platforms for higher rates of technical and social innovations to be scaled up for the public's benefit. The three main themes include green and sustainable cities, MSME resilience and food security. Focus will be on overcoming structural challenges in Malaysia's innovation and research ecosystem and how to promote successful interactions between the triad 'State, Science and Society' in the process of solving the people's problems and generating new sources of economic growth. Outcome and lesson learns from Phase1 project will determine the type of technical and support for future assistance in strengthening the ecosystem.

<p>Contributing Outcome (UNSCDF/CPD, RPD or GPD):</p> <p>Outcome #1: (a) A new national policy framework developed to promote inclusive growth and sustainable human development policies and strategies; (b) The bottom 40% of households receive better access to education, health and social protection programmes and secure greater benefits through better targeting from new inclusive growth policies and strategies.</p> <p>Outcome #2: Strengthened institutional capacity in managing climate change, and enhanced national framework for biodiversity management of the central forest spine in Peninsular Malaysia and the heart of Borneo</p> <p>Indicative Output(s) with gender marker: GEN2</p>	Total resources required (GCS):	USD158,470		
	Total resources allocated:	UNDP:	-	
		Donor:	-	
		Government of Malaysia:	USD149,500	
		6% GMS	USD8,970	
		In-Kind:	-	
	Unfunded:			

Agreed by (signatures)

Government of Malaysia	UNDP	Implementing Partner
 Datuk Seri Saiful Anuar Lebai Hussien Director-General, Economic Planning Unit Prime Minister's Department	 Niloy Banerjee Resident Representative UNDP Malaysia, Singapore and Brunei Darussalam.	 Dato' TS. V Valluvan a/l Veloo Director Manufacturing Industry, Science and Technology Division (BIPST), Economic Planning Unit Prime Minister's Department
Date: 20 MAY 2022	Date: 23/5/22	Date: 24/5/22

I. PURPOSE AND EXPECTED OUTPUT

12MP outlines three themes: resetting the economy; strengthening security, wellbeing and inclusivity; and advancing sustainability. The four catalytic policy enablers of the 12MP focuses on developing future talent; accelerating technology adoption and innovation; enhancing connectivity and transport infrastructure; and strengthening the public service. The 14 game changers represent bold and innovative actions to shift mindsets and change the approach to national development.

One of the challenges that 12MP is addressing is related to unconducive innovation ecosystem (Chapter 10, Developing Future Talent) and insufficient Investment in Research, Development, Commercialisation (Chapter 11, Boosting Digitalisation, Advanced Technology and Innovation). There are many definitions of an 'innovation ecosystem' in use today, but in its broadest sense it is commonly defined by its ability to mobilise players, assets and relationships to provide a supportive enabling environment for innovation and social entrepreneurship (MSME included) to flourish. At one end of the continuum the focus is on entrepreneurial support, where the innovator is placed at the centre of the model and the primary focus of strengthening efforts is filling in gaps and scaling-up resources (and funding) for entrepreneurship. Accordingly, the strength of the ecosystem is determined by how well the innovator's needs are met including the value of its commercialization. In the middle of the continuum are models that place emphasis on innovation, broadening the range of actors and strengthening the overall process and capacity of an ecosystem to translate ideas into solutions and reinforce connections among actors to facilitate scaling through public and/or private pathways and partnerships.

Malaysia has extensive experience on innovation and several players have started their initiatives. MOSTI for instance launched the Malaysian Startup Ecosystem Roadmap (SUPER) 2021-2030 and the MYStartup platform in developing a dynamic national start-up ecosystem and in line with Vision 2030. The plan is to drive higher "return on ideas" in research and development to the commercialisation space where its primary focus will be to accelerate commercialisation of technology by nurturing strong partnerships and strategic collaborations between the industries and academia. Social entrepreneurs too have been active in addressing Malaysia's development challenges and some of them utilizing home-grown, community-based solutions.

Realizing the importance of the above, BIPST, EPU and UNDP are currently undertaking a preparatory project (titled as "Strengthening Research and Innovation Ecosystem Project – Phase 1") to collect such case-studies in-line with the spirit of whole-of-Government approach and not-reinventing the wheel, also as an effort to facilitate and streamline initiatives with key players in Malaysia. In this project, a national conference planned where the inaugural "Malaysia Innovates" publication will be launched. It is expected that by the end of the project, a set of follow-up action will be proposed including the viability of continuing it in the future.

EXPECTED OUTPUTS

Component 1: National Conference on Impactful and Applied Innovation for Sustainable and Inclusive Development- Innovate Malaysia.

The purpose of the conference is to generate findings and summary to inform policies in building a strengthened framework for the innovation ecosystem, in support of the country's national development priorities and the sustainable development agenda. The conference's theme is aligned to the 12MP's Policy Enabler 2: Accelerating Technology Adoption and Innovation that is one of the four catalytic policy enablers needed to support the achievement of Malaysia's development target over the next five years and beyond. Draft programme agenda of the conference is in **Annex A**. Outputs under this component will include:

Output 1.1 Engagement and planning with relevant government ministries on conference content and execution.

Output 1.2 Engagement with event management company to organise the 2 days hybrid national conference.

Output 1.3 Soft launch for the National Conference is organised and promoted across different ministries (see **Annex B: Programme Agenda**)

Component 2: Publication and Socialization of Innovations through Innovate Malaysia with public audience

Output 2.1 Stakeholder engagement with local innovators involving youth, women, B40 group, technopreneurs to document innovative solutions.

Output 2.2 Co-creation with BIPST, EPU and representatives from different ministry on publication content and design.

Output 2.3 Collective of solutions featured in Innovate Malaysia published through creative agency procured under this project.

Component 3: Project Management which includes knowledge sharing with stakeholders coordinated and communicated to public post-conference, monitoring and evaluation and UNDP technical and advisory services

Results Framework

EXPECTED OUTPUTS	OUTPUT INDICATORS ¹	DATA SOURCE	Baseline Value (2022)	TARGETS (by frequency of data collection)	DATA COLLECTION METHODS & RISKS
Output 1 National Conference on Impactful and Applied Innovation for Sustainable and Inclusive Development- Innovate Malaysia..	1.1 Engagement and planning with relevant at least 3 government ministries on conference content and execution.	UNDP	0	3	Meeting minutes and discussion recordings.
	1.2 Engagement with event management company to organised the 2 days hybrid national conference.	UNDP	0	1	Procurement documents- RFP, TOR and agreements.
	1.3 Soft launch for the National Conference is organised and promoted across different ministries.	UNDP	0	1	Press release and Zoom recording, promotional collaterals and media invites.
Output 2 Publication and Socialization of Innovations through Innovate Malaysia with public audience	2.1 Stakeholder engagement with local innovators involving youth, women, B40 group, technopreneurs to document innovative solutions.	UNDP	0	25	Interviews, solutions briefs, emails and Zoom recordings.
	2.2 Co-creation with BIPST, EPU and representatives from different ministries on publication content and design.	UNDP	0	3	Meeting minutes, discussion recordings and email exchanges/shared document.
	2.3 Collective of solutions featured in Innovate Malaysia published through creative agency procured under this project.	UNDP	0	25	Publication of Malaysia Innovates.
Output 3 Project Management	3.1 Knowledge sharing with stakeholders coordinated and communicated to public post - conference	UNDP	0	6	Social media postings, press release and blogs. Appointment of Coordinator/Expert for 6 months
	3.2 Monitoring and Evaluation	UNDP	0	1	Final report and impact analysis

¹ It is recommended that projects use output indicators from the Strategic Plan IRRF, as relevant, in addition to project-

	3.3 UNDP Technical and Advisory Services	UNDP	0	4	Monthly progress report (where required) and communication outcome
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II. MANAGEMENT ARRANGEMENTS

The project owner will be BIPST, EPU providing direction of the conference and publication. UNDP will coordinate and implement the project, guided and assisted by BIPST, EPU with the overall guidance of the UNDP Head of Solutions Mapping. Accelerator Lab, with support from the UNDP Management Team will oversee and manage the implementation of the project including monitoring and evaluation and other project management support.

III. MONITORING

A monthly progress update meeting convened between BIPST, EPU and UNDP secretariat for tracking progress, monitoring and evaluation purposes. The progress update evaluated based on the project concept outputs and workplan. UNDP will submit a final report to BIPST, EPU as the project owner and implementing partner.

specific results indicators. Indicators should be disaggregated by sex or for other targeted groups where relevant.

IV. WORK PLAN

Period²: 01 May 2022 – 31 December 2022

EXPECTED OUTPUTS <i>And baseline, indicators including annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME					RESPONSIBLE PARTY	PLANNED BUDGET		
		Mar	Apr	May	Jun	Jul		Funding Source	Budget Description	Amount (USD)
Output 1 National Conference on Impactful and Applied Innovation for Sustainable and Inclusive Development implemented.	1.1 Engagement and planning with relevant government ministries on conference content and execution.	X	X	X	X		UNDP/BIPST, EPU	Govt. Co-sharing (GCS)	Workshop	3,000
Baseline:0 Indicators:1 Targets: At least 25 solutions providers from different ministries and societal groups eg.youth, women, technopreneurs, B40 participates in the national conference. Related CP outcome: Growth and development are inclusive and sustainable, incorporating productive capacities that create employment and livelihoods for the poor and excluded.	1.2 Engagement with event management company to be organised the 2 days hybrid national conference including the soft launch.						UNDP	GCS	Service contract	78,500

² Maximum 18 months

<p>Output 2 Innovate Malaysia publication involving multi-stakeholders published and socialised with public audience. <i>Baseline:0</i> <i>Indicators:1</i> Targets: At least 25 solutions are published in the Innovate Malaysia publication and socialized across different ministries and public audiences. <i>Related CP outcome:</i> Growth and development are inclusive and sustainable, incorporating productive capacities that create employment and livelihoods for the poor and excluded.</p>	<p>2.1 Co-creation with BIPST, EPU and representatives from different stakeholder group on publication content and design.</p> <p>2.2 Collective of solutions featured in Innovate Malaysia is published through creative agency procured under this project.</p>	X	X	X	X	UNDP	GCS	Workshop	1,000
						UNDP	GCS	Publication	22,000
<p>Output 3 Project Management <i>Baseline:0</i> <i>Indicators:1</i> Targets: Innovate Malaysia conference and publication successfully completed and communicated through project coordinator and knowledge management consultant. <i>Related CP outcome:</i> Growth and development are inclusive and sustainable, incorporating productive capacities that</p>	<p>3.1 Coordinator/Expert that lead knowledge sharing with stakeholders and public post – conference including review of Phase 1 project</p> <p>3.2 UNDP Technical and Advisory Services</p>	X	X	X	X	UNDP	GCS	Service Contract	30,000
						UNDP	GCS	Service Contract	15,000

V. RISK REGISTER

No.	Risk Event	Risk Likelihood (1=Unlikely; 5= Very likcly)	Risk Severity (1=Very low; 5= Very high)
1	Lack of funding to implement the innovation conference and publication as a results of reprioritization of funds for other ad-hoc national priorities by the Economic Planning Unit.	1	4
2	Lack of attendance by the public for physical event due to surge of COVID-19 especially post-Raya celebration.	5	3
3	Lack of attendance by the public for the virtual event due to lack of interest and awareness on innovation	4	5
4	Lack of sustainability of the event and publication due to the lack of commitment and clear vision between key government ministries and agencies.	4	2
5	Lack of sustainability of the event and publication due to the change in political landscape leading up to general election.	3	2

This is an Engagement Facility DIM project and no Project QA is required. SESP exemption is applied for this project.

Annex A: Conference Details

SDG ALIGNMENT

The conference aligned primarily with Sustainable Development Goal 9 (Goal 9 or SDG 9) which aims to build resilient infrastructure, promote sustainable industrialization and foster innovation and SDG and the following targets under Goal 9:

- Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending.
- Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities.

OBJECTIVES

To facilitate multi-stakeholder collaboration and partnerships through the sharing of information, experiences, best practices and policy advice among government agencies, civil society, the private sector, the scientific community, UN entities and other stakeholders.

TARGET PARTICIPANTS

The target audience of the conference are decision-makers and researchers/innovators involved in innovation and economic growth, both in the academia, civil service and the private sector.

PROPOSED EVENT TAGLINE

1. InnoVate Malaysia
2. MyInovasi
3. Inovasi-KITA!
4. Inovasi Keluarga Malaysia

LANGUAGE

1. English for plenary sessions involving international speakers
2. Bahasa Malaysia as main language for all breakout sessions, event collaterals, media communications and marketing

CONFERENCE TENTATIVE AGENDA

Day 1	
10.00am – 10.30am	<p>MC introduction (5 minutes)</p> <p>Welcoming Remarks (UNDP) (7 minutes) Mr. Niloy Banerjee UNDP Resident Representative</p> <p>Opening Speech (EPU, JPM) (7 minutes) YBhg Datuk Seri Saiful Anuar Bin Lebai Director General, EPU</p> <p>Keynotes Address (10 minutes) YB Dato' Sri Mustapa Mohamed Minister in The Prime Minister's Department (Economy) Economic Planning Unit, Prime Minister's Department</p>

10.30 am - 10.35 am	Launch of Research Management Unit (RMU) - Video Montage on RMU's role
10.35 am - 10.50 am	Break
11.00 am -12.30pm	<p>Plenary 1 – Innovation Environment</p> <p>Country Sharing: Government's Role in creating a Enabling Ecosystem and Collaborative Network for Impactful Innovation</p> <p>Tengku Datuk Dr Mohd Azzman Shariffadeen FASc Malaysian Collaborative Network Platform for Disruptive Innovation (I-CONNECT)</p> <p>Dr. Sivapalan Vivekarajah Senior Partner & Co-Founder of ScaleUp Malaysia Accelerator, Mentor & Angel Investor</p> <p>Mr. Beh Kian Teik Deputy CEO, National Research Foundation (NRF), Singapore</p> <p>Mr. Darja Isaksson Director General, Vinnova, Sweden Innovation Agency</p> <p>Professor Anil Kumar Gupta Founder of Honey Bee Network, and Gujarat Grassroots Innovation Augmentation Network</p> <p>Moderator: Mrs. Manon Bernier UNDP Malaysia Deputy Resident Representative</p>
12.30pm – 14.00pm	Lunch break
14:00 – 15:00 pm	<p>Parallel Breakout Session 1 – <i>PocketTalk/Sharing/Showcase/Workshop</i></p> <p>1. Inovasi Pertanian dan Makanan (Agriculture and Food innovation) Co-organised with MAFI</p> <p>2. Inovasi Memperkasa PMKS (M/SME Empowerment Innovation) Co-organised with MDEC/IsDB</p> <p>3. Inovasi Bandar Sejahtera dan Hijau (Green and Sustainable Cities Innovation) Co-organised with KPKT</p>
3:00 – 3:30 pm	Tea Break
3.30 – 4.30 pm	<p>Parallel Breakout Session 2 – <i>PocketTalk/Sharing/Showcase/Workshop</i></p> <p>1. Inovasi Pertanian dan Makanan (Agriculture and Food innovation) Co-organised with MAFI</p> <p>2. Inovasi Memperkasa PMKS (M/SME Empowerment Innovation) Co-organised with MDEC</p>

	3. Inovasi Bandar Sejahtera dan Hijau (Green and Sustainable Cities Innovation) Co-organised with KPKT
	End
Day 2	
10:00 am - 10:15 am	Welcoming Remarks by TKPM, EPU
10:15 am - 11:15 am	Plenary 2- Stories from the Ground Innovation Success Stories: Recovering from COVID-19 and Accelerating towards the SDGs Technology case study: Mr. Thillai Raj Senior Technology Advisor, Wise AI Top In Tech Innovation Awards 2021 Malaysia (Most Impactful Academia-Industry Collaboration) Social Intra/entrepreneurs case study: Ms. Nicola Galombik Executive Director, Inclusive and Sustainable Growth Catalyst Division, Yellowwoods Holding Sarl (South Africa) Schwab Foundation's Social Innovators of the Year 2020 (Corporate Social Intrapreneurs category) Communication & Knowledge Management case study: TBC (UNDP Regional Bureau Africa) Focal Point for "Africa Innovates" publication - compilation of selected the 50 innovators on COVID-19 build forward better initiatives and African Influencers For Development (Ai4dev) OR Representative from UNDP Accelerator Lab Moderator: Malaysian Research Accelerator for Technology and Innovation (MRANTI)
11.15- 11.30am	Break
11.30am - 12.30pm	Plenary 3 – Youth and Innovation Youth's Role in Creating Innovations for Resilience and Growth Mr Beniam Gebrezghi Programme Specialist, Civil Society and Youth, UNDP Regional Hub Bangkok Mr Wong Kin Lun / (Youth Volunteer) CEO of Yayasan Sukarelawan Siswa (YSS) Associate Prof. Dr. Zeeda Fatimah Binti Mohamad UM Sustainability Development Centre Issmail Nnafie

	<p><i>Innovation, Climate Change and Environmental Sustainability</i> UNICEF Malaysia</p> <p>Moderator: Representative from Ministry of Youth and Sports</p>
12.30pm- 13.00pm	<p>Way Forward Remarks Mdm. Manon Bernier Deputy Resident Representative UNDP Malaysia, Singapore and Brunei Darussalam</p>
13:00 pm – 2:30 pm	Lunch Break
2:30 pm – 4:00 pm	<p>Parallel Breakout Session 3 – <i>PocketTalk/Sharing/Showcase/Workshop</i></p> <p>1.Grassroots Innovations and Traditional Knowledge <i>Sharing by Sarawak Biodiversity Centre, Global Environment Centre (GEC) and PACOS/TONIBUNG Sabah</i> * <i>Global Environment Fund- Small Grants Programme grantee focusing on nature-based solutions and traditional knowledge by rural communities to improve livelihood and climate resilience</i></p> <p>2. Technopreneurs <i>Lightning Talks by Grab, Carsome and Aerodyne giving lightning talk on digital Entrepreneurships. Moderated by MRANTI</i></p> <p>3. Research, Citizen Science and Advocacy <i>Sharing by FRIM and Friends Of Sungai Klang focusing on bottom up Citizen innovations and community actions moderated by Sekitar Kita</i></p>
4.00pm	Tea Break and Networking

Annex B: Soft Launch Agenda

TENTATIVE AGENDA
SOFT LAUNCH OF R&D&C&I+E NATIONAL SEMINAR AND MALAYSIA INNOVATES
REPORT

June 2022 | 1.00 – 2.00 pm (MYT)

Time (MYT)	Activity	Soft Launch of R&D&C&I National Seminar and Malaysia Innovates Report (digital background)									
1.00pm - 1.45pm	Opening session Emcee: TBC	<p>#Innovate4wealth: Monetizing Innovation</p> <p>Malaysia is striving towards becoming high income nation by 2025. Under the Twelfth Malaysia Plan (12th MP), Accelerating Research, Development, Commercialisation and Innovation (R&D&C&I) has been outlined as one of the game changers.</p> <p>This event will serve as a kick-start to move forward in empowering local innovations as contributor towards Malaysia's economic growth.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">1.00 1.10pm</td> <td style="width: 5%;">-</td> <td>Introduction by emcee</td> </tr> <tr> <td>1.10 1.25 pm</td> <td>-</td> <td>Welcoming remarks by UNDP (TBC)</td> </tr> <tr> <td>1.25pm 1.45pm</td> <td>-</td> <td>Opening and officiating speech by Dato' Sri Mustapa Mohamed, Minister in The Prime Minister's Department (Economy)</td> </tr> </table>	1.00 1.10pm	-	Introduction by emcee	1.10 1.25 pm	-	Welcoming remarks by UNDP (TBC)	1.25pm 1.45pm	-	Opening and officiating speech by Dato' Sri Mustapa Mohamed, Minister in The Prime Minister's Department (Economy)
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1.25pm 1.45pm	-	Opening and officiating speech by Dato' Sri Mustapa Mohamed, Minister in The Prime Minister's Department (Economy)									
1.45pm -1.50pm	Launch Emcee: TBC	<p>Montage video – a short video showcasing (2 minutes):</p> <ul style="list-style-type: none"> (i) snippets of innovation products developed by local talent; (ii) promotion of R&D&CI+E National Seminar in May 2022; and (iii) cover of Malaysia Innovates report 									
1.50pm - 2.00pm	Closing session Emcee: TBC	<p>End of soft launch (digital background)</p>									