



APCTT

Asian and Pacific Centre
for Transfer of Technology



CONCEPT NOTE

Regional Capacity Building on Climate Innovation and Market Readiness

October 16–17, 2026, Davao City, Philippines and Online

coinciding with the HANDA Pilipinas: Innovations in Climate and Disaster Resilience Nationwide Exposition

October 15–17, 2026, Davao City

Jointly Organised by

Technology Application and Promotion Institute (DOST-TAPI), Department of Science and Technology (DOST), Philippines and

Asian and Pacific Centre for Transfer of Technology (APCTT) of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

Background and Rationale

Climate change continues to pose significant environmental, economic, and social challenges globally and across the Asia-Pacific region. Increasing occurrences of extreme weather events, flooding, rising temperatures, resource depletion, and environmental degradation underscore the urgent need for innovative and sustainable solutions that can strengthen climate resilience, support mitigation efforts, and promote green economic growth.

In the Philippines, the need to accelerate climate-responsive technologies and sustainable innovations has become increasingly important in addressing national priorities on environmental sustainability, disaster resilience, renewable energy, food security, sustainable industries, and circular economy practices. Research institutions, startups, innovators, and technology developers play a vital role in generating science and technology-based solutions that can help address these climate-related challenges.

As the technology transfer and commercialization arm of the Department of Science and Technology (DOST), the Technology Application and Promotion Institute (DOST-TAPI) has been implementing programs and initiatives that support inventors, researchers, startups, and technology-based enterprises in bringing innovations closer to market adoption. Through its technology promotion, commercialization support, intellectual property assistance, innovation networking, and market linkage initiatives, DOST-TAPI continues to strengthen the country's innovation ecosystem and encourage the utilization of locally developed technologies.

Among DOST-TAPI's major initiatives is the HANDA Pilipinas: Innovations in Climate and Disaster Resilience Nationwide Exposition, a nationwide platform that showcases disaster risk reduction and climate change adaptation (DRR-CCA) technologies through exhibits, demonstrations, training sessions, workshops, and policy dialogues. Conducted from August to October, HANDA Pilipinas highlights climate and resilience innovations in accessible and interactive formats that support technology awareness, knowledge sharing, and adoption among Local Government Units (LGUs), communities, industry stakeholders, academic institutions, and the public.

The exposition also creates opportunities for innovators and technology developers to directly engage with potential adopters, decision-makers, investors, and end-users. Through technology exhibits and capacity-building activities, HANDA Pilipinas supports the promotion of practical and scalable DRR-CCA solutions while strengthening collaboration among stakeholders working toward climate resilience and sustainable development.

In line with this initiative, DOST-TAPI proposes the integration of a specialized capacity-building program on climate innovation and market readiness in collaboration with the Asian and Pacific Centre for Transfer of Technology (APCTT). The activity aims to complement the objectives of HANDA Pilipinas by strengthening the commercialization and scaling capabilities of DOST-assisted startups, innovators, researchers, and spin-offs developing climate-responsive and disaster resilience technologies.

Despite existing support mechanisms, many innovators continue to face challenges in commercializing and scaling climate technologies due to limited market readiness, insufficient investment preparation, lack of internationalization strategies, and limited exposure to climate financing and technology transfer opportunities. There is a growing need to equip innovators with practical knowledge on sustainable business development, market validation, intellectual property management, green investments, and commercialization pathways that align with climate resilience priorities and global sustainability trends.

The collaboration with APCTT presents an opportunity to leverage regional expertise and best practices in climate innovation, sustainable entrepreneurship, and technology transfer. APCTT's experience in promoting regional cooperation and innovation ecosystems across Asia and the Pacific can provide participants with practical insights on market-oriented climate innovation, investment readiness, sustainable business models, and international collaboration opportunities.

The proposed activity will serve not only as a learning platform but also as a strategic component of HANDA Pilipinas by integrating capacity-building, mentoring, networking, and knowledge exchange activities that can strengthen the market readiness and adoption potential of climate and disaster resilience technologies. Furthermore, the engagement will provide an avenue for DOST-TAPI and APCTT to explore future collaborative initiatives related to climate innovation, DRR-CCA technologies, sustainable entrepreneurship, and regional technology transfer cooperation.

Objectives

General Objective

To enhance the commercialization capacity, sustainability, and market readiness of climate-responsive and disaster resilience technologies developed by DOST-assisted startups, innovators, researchers, and spin-offs through DOST-TAPI initiatives and collaboration with APCTT, in support of the HANDA Pilipinas Exposition.

Specific Objectives

- Equip participants with knowledge and practical approaches on climate and DRR-CCA technology commercialization and pathways to market adoption.
- Strengthen participants' understanding of sustainable and climate-responsive business models, intellectual property management, and technology licensing strategies.
- Develop participants' competencies in market intelligence, customer validation, internationalization strategies, and sustainability-focused innovation management.

- Increase awareness on climate financing mechanisms, green investments, and investment readiness for climate and disaster resilience enterprises and technologies.
- Support DOST-TAPI's HANDA Pilipinas initiative by integrating capacity-building and knowledge-sharing activities that promote awareness, adoption, and commercialization of DRR-CCA innovations.
- Facilitate knowledge exchange and explore opportunities for future collaboration between DOST-TAPI and APCTT in advancing climate innovation, DRR-CCA technologies, and sustainable entrepreneurship.

Target Participants

1. DOST-assisted startups and spin-offs developing climate-responsive and DRR-CCA technologies
2. Researchers, inventors, and technology developers supported by DOST-TAPI programs
3. Technology transfer and commercialization officers
4. Incubator, accelerator, and innovation hub representatives
5. Local Government Units (LGUs) and DRR-CCA focal persons
6. Representatives from innovation-support organizations and sustainability-focused institutions
7. DOST-TAPI partner institutions and stakeholders

TENTATIVE PROGRAMME

Date: 16–17 October 2026 | Venue: Davao City, Philippines

DAY 1 – UNDERSTAND, BUILD & COMMERCIALIZE

Time	Activity / Format
08.30-09.00	Registration / Networking
09.00-09.30	Opening Ceremony
	Invocation and National Anthem
	Welcome Message: ATTY. MARION IVY D. DECENA, CESO III Director, DOST-TAPI
	Keynote Speaker: HON. RENATO U. SOLIDUM, JR. Secretary, Department of Science and Technology (DOST)
09.30-10.30	OVERVIEW SESSION: Climate Technology Landscape & Pathways to Impact <i>Overview by DR. PREETI SONI, Head APCTT followed by presentation of 3 to 4 case studies in technology commercialisation</i> <i>Broad outline of points to be covered:</i> ● Climate change technologies and innovation opportunities ● Technology, adaptation, mitigation and resilience ● From innovation to deployment: key stages and common barriers ● Overview of market, finance, IP and resilience considerations
10.30-10.45	Coffee or Tea Break
10.45-12.00	Training Session 1: Protecting and Commercializing Innovation – IP & Technology Transfer Resource Speaker: MR. DINDO DUMALI, Intellectual Property Rights Specialist IV, Intellectual Property of the Philippines (IPOPPL) <i>30 min Expert Lecture • 15 min General Q&A • 30 min Expert–Enterprise Clinic</i> <i>Broad outline of points to be covered:</i> ● IP strategy and protection ● Ownership, licensing and technology transfer ● Using IP to support commercialization and partnerships
12.00-13.00	Lunch
13.00-14.15	Training Session 2: From Climate Innovation to Market – Commercialization Pathways Resource Speaker: DR. AKANSHA JAIN c/o APCTT <i>30 min Expert Lecture • 15 min General Q&A • 30 min Expert–Enterprise Clinic: 2–3 pre-selected innovators briefly present their enterprise/challenge and receive expert responses</i> <i>Broad outline of points to be covered:</i> ● Technology and market readiness ● Prototype/pilot to market adoption ● Commercialization pathways and scaling

Time	Activity / Format
14.15-15.30	Training Session 3: Building a Sustainable Business Model for Climate & Resilience Startups Resource Speaker: MS. ANALIZA SOLIS, Chief SRS, PAGASA Climate Monitoring Division, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) <i>30 min Expert Lecture • 15 min General Q&A • 30 min Expert–Enterprise Clinic</i> <i>Broad outline of points to be covered:</i> • Customer value proposition and revenue model • Cost structure and financial sustainability • Business model choices for climate and resilience solutions
15.30-15.45	Coffee or Tea Break
15.45-17.00	Training Session 4: Disaster Risk Resilience & Climate Adaptation – From Technology to Resilient Solutions Resource Speaker: MS. ANALIZA SOLIS, Chief SRS, PAGASA Climate Monitoring Division, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) <i>30 min Expert Lecture • 15 min General Q&A • 30 min Expert–Enterprise Clinic</i> <i>Broad outline of points to be covered:</i> • Understanding disaster and climate risks • Designing for resilience and adaptation • Evidence of impact and user adoption • Opportunities for scaling resilience solutions
17.00-17.15	Day 1 Synthesis: Key Lessons, Enterprise Challenges & Preparation for Day 2

DAY 2 – VALIDATE, FUND, BUILD RESILIENCE & SCALE

Time	Activity / Format
09.00-09.15	Day 1 Recap
09.15-10.30	Training Session 5: Market Intelligence, Customer Validation & Market Opportunities Resource Speaker: MR. CHARLIE HARTONO, Director, Philanthropy at AVPN, Jakarta <i>30 min Expert Lecture • 10 min General Q&A • 10 min: 3 Enterprises pitch their issues • 15 min Expert–Enterprise Clinic</i> <i>Broad outline of points to be covered:</i> • Identifying target customers and market opportunities • Market and customer validation • Market needs, trends and willingness to pay • Local, regional and international opportunities
10.30-10.45	Coffee or Tea Break
10.45-12.00	Training Session 6: Climate Financing, Green Investment & Investment Readiness Resource Speaker: MR. VAL ANTHONY CIMA FRANCA, Financial Director Innovation and Development Accelerators Consortium for Start-ups (IDEAS) <i>30 min Expert Lecture • 15 min General Q&A • 30 min Expert–Enterprise Clinic</i> <i>Broad outline of points to be covered:</i> • Climate and green financing opportunities • Funding and investment options • Business, financial and investment readiness • Pitching climate technologies to investors
12.00-13.00	Lunch
13.00-14.30	Panel Discussion: Regional Cooperation, Knowledge Exchange & Technology Commercialization Opportunities in Asia-Pacific Panelists: APCTT (TBC) MS. RACHELLE MIRANDA, Project Development Officer IV- DRR-CCU, DOST <i>30 min Expert/Panel Input • 45 min Open Discussion</i> <i>Broad outline of points to be covered:</i> • Regional technology transfer and commercialization • Industry, investor and institutional partnerships • Asia-Pacific market and collaboration opportunities • Networking, mentoring and potential technology/market matching
14.30-14.45	Coffee or Tea Break
14.45-15.15	Next Steps for TAPI and APCTT <i>Broad outline of points to be covered:</i> • Key commitments from innovators • Priority follow-up needs • Potential expert, investor and market linkages
	Closing by DOST-TAPI and APCTT

