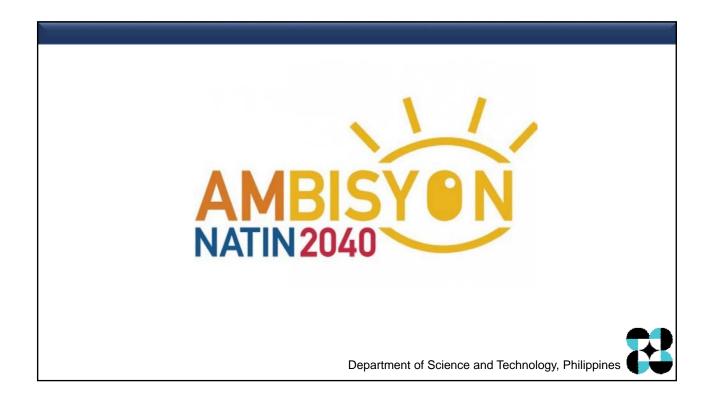
Sustainable Development Goals in the Philippine Development Plan 2017-2022

ROEL A. SANCHO

Department of Science and Technology, Philippines

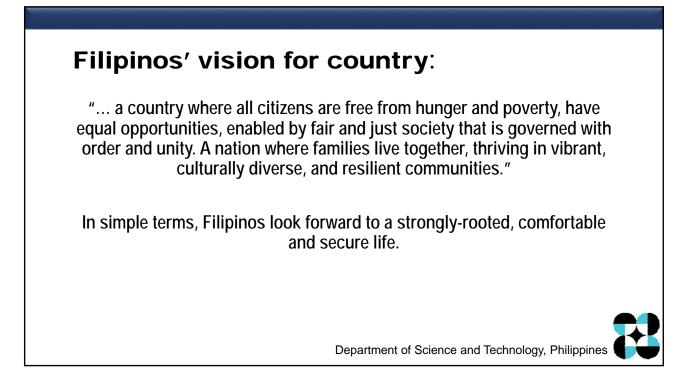




Filipinos' vision for self:

"In 2040, we will all enjoy a stable and comfortable lifestyle, secure in the knowledge that we have enough for our daily needs and unexpected expenses, that we can plan and prepare for our own and our children's future. Our family lives together in a place of our own, and we have the freedom to go where we desire, protected and enabled by a clean, efficient, and fair government."





O + 10-Point Socioeconomic Agenda Continue and maintain current macroeconomic policies, including fiscal, monetary and trade policies Institute progressive tax reform, including a more effective tax collection and indexing taxes to inflation Increase competitiveness and the ease of doing business Accelerate annual infrastructure spending to account for 5% of the gross domestic product, with public-private partnerships playing a key role Promote rural and value chain development to increase agricultural and rural enterprise productivity and rural tourism

0 + 10-Point Socioeconomic Agenda

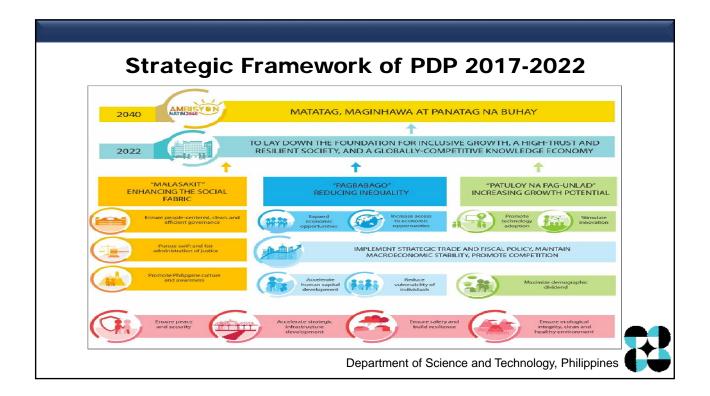
- 6. Ensure security of land tenure to encourage investments and address bottlenecks in land management and titling agencies.
- Invest in human capital development, including health and education systems. And match skills and training to meet the demands of businesses and private sector;
- 8. Promote science, technology, and the creative arts to enhance innovation and creative capacity towards self-sustaining and inclusive development;
- Improve social protection programs, including the government's Conditional Cash Transfer program, to protect the poor against instability and economic shocks; and
- 10. Strengthen the implementation of the Responsible Parenthood and Reproductive Health Law to enable Filipinos especially poor couples, to make informed choices on financial and family planning.



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Part II: Enhancing the Social Fabric ("Malasakit")

Chapter 5: Ensuing People-Centered, Clean, and Efficient Governance Chapter 6: Pursuing Swift and Fair Administration of Justice Chapter 7: Promoting Philippine Culture and Values

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Part III: Inequality-Reducing Transformation ("Pagbabago")

Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries

Chapter 9: Expanding Economic Opportunities in Industry and Services through *Trabaho* and *Negosyo*

Chapter 10: Accelerating Human Capital Development

Chapter 11: Reducing Vulnerability of Individuals and Families

Chapter 12: Building Safe and Secure Communities



Part IV: Increasing Growth Potential ("Patuloy na Pag-unlad")

Chapter 13: Reaching for the Demographic Dividend Chapter 14: Vigorously Advancing Science, Technology, and Innovation

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Chapter V: Enabling and Supportive Economic Environment

Chapter 15: Ensuring Sound Macroeconomic Policy Chapter 16: Levelling the Playing Field through a National Competition Policy



Part VI: Foundations for Sustainable Development

Chapter 17: Attaining Just and Lasting Peace

Chapter 18: Ensuring Security, Public Order, and Safety

Chapter 19: Accelerating Infrastructure Development

Chapter 20: Ensuring Ecological Integrity, Clean and Healthy Environment

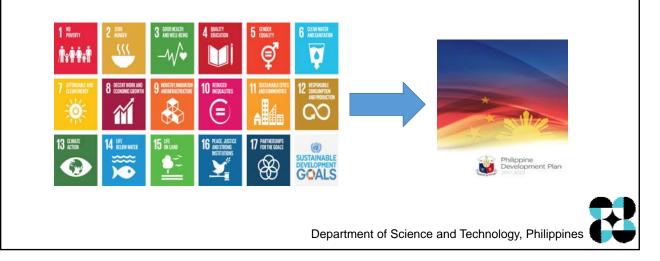
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Part VII: From Plan to Action

• Chapter 21: Plan Implementation and Monitoring



Sustainable Development Goals Considered in PDP 2017-2022



Sustainable Development Goals	PDP 2017-2022 Outcomes
. End Poverty in all its forms everywhere	Ch10: Nutrition and health for all improvedCh10: Income-earning ability increased
 End hunger, achieve food security and improved nutrition and promote sustainable agriculture 	 Ch8: AFF productivity improved within ecological limits Ch10: Income-earning ability increased Ch14: STI utilization in agriculture, industry and services sectors increased
3. Ensure healthy lives and promote well-being for all at all stages	Ch10: Nutrition and health for all improved
 Ensure inclusive and equitable quality education and promote life-long learning opportunities for all 	 Ch10: Lifelong-learning opportunities for all ensured Ch13: Quality of human capital improved Ch14: Creative capacity for knowledge and technology generation, acquisition and adoption enhanced
5. Achieve gender equality and empower all women and girls	 Ch10: Lifelong-learning opportunities for all ensured Ch11: Universal and transformative social protection for all achieved Ch13: Quality of human capital improved
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Sustainable Development Goals	PDP 2017-2022 Outcomes
6. Ensure availability and sustainable management of water and sanitation for all	 Ch19: Implement strategic infrastructure for Energy, Water resources Ch20: Improved environmental quality
7. Ensure access to affordable, reliable, sustainable, and modern energy for all	Ch19: Implement strategic infrastructure for Energy, Water resources
 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all 	 Ch8: Access to value chain improved Ch19: Implement strategic infrastructure for Transport, ICT, Social Infrastructure
9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	 Ch8: Access to value chain improved Ch9: Competitiveness, innovativeness and resilience increased Ch9: Productivity, efficiency and resilience improved Ch14: STI utilization in agriculture, industry, and services sectors increased Ch14: Open collaboration among actors in the STI ecosystem strengthened Ch19: Implement strategic infrastructure for Transport, ICT, Social Infrastructure Energy Ch19: Ensure asset preservation
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Sustainable Development Goals	PDP 2017-2022 Outcomes
10. Reduce inequality within and among countries	 Ch12: Access to affordable, adequate, safe and secure shelter in well-planned communities expanded
11. Make Cities and human settlements inclusive, safe, resilient and sustainable	 Ch12: Access to affordable, adequate, safe and secure shelter in well-planned communities expanded
12. Ensure sustainable consumption and production patterns	Ch20: Improved environmental quality: Promote sustainable consumption and production (SCP)
 Take urgent actions to combat climate change and its impact 	 Ch11: Universal and transformative social protection for all achieved
 Conserve and sustainably use the oceans, seas and marine resources for sustainable development 	 Ch20: Biodiversity and functioning ecosystem services sustained Ch20: Adaptive capacities and resilience of ecosystems increased
	ecosystems increased

Sustainable Development Goals	PDP 2017-2022 Outcomes
15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and half and reverse land degradation and halt biodiversity loss	 Ch20: Biodiversity and functioning ecosystem services sustained Ch20: Adaptive capacities and resilience of ecosystems increased
16. Promote, peaceful and inclusive societies for sustainable development and provide access to justice for all and build effective accountable and inclusive institutions at all levels	 Ch5: Corruption reduced Ch5: Citizenry fully engaged and empowered Ch6: Criminal, commercial and administrative justice system enhanced Ch17: Peace agreements with all internal armed conflict groups successfully negotiated and implemented Ch17: Communities in conflict-affected and conflict-vulnerable areas protected and developed
17. Strengthen the means of implementation an revitalized the global partnership for sustainable development	
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Science, Engineering, Technology and Innovation Supports the Implementation of Sustainable Development Goals: The Philippine Scenario

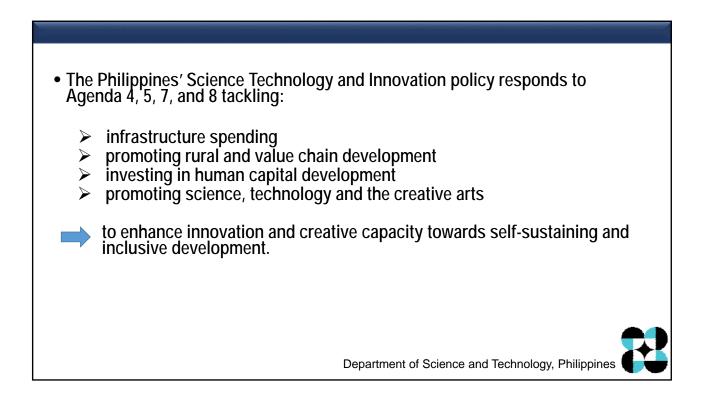
Department of Science and Technology, Philippines

0 + 10-Point Socioeconomic Agenda

- 1. Continue and maintain current macroeconomic policies, including fiscal, monetary and trade policies
- 2. Institute progressive tax reform, including a more effective tax collection and indexing taxes to inflation
- 3. Increase competitiveness and the ease of doing business
- 4. Accelerate annual infrastructure spending to account for 5% of the gross domestic product, with public-private partnerships playing a key role
- 5. Promote rural and value chain development to increase agricultural and rural enterprise productivity and rural tourism

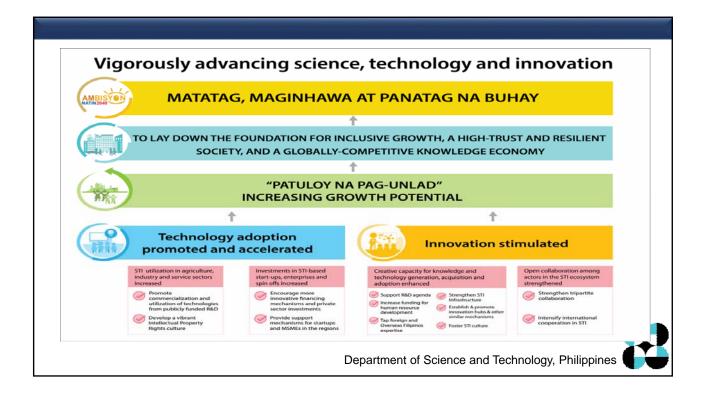


0 + 10-Point Socioeconomic AgendaEnsure Security of land tenure to encourage investments and address bottlenecks in land management and titling agencies. Invest in human capital development, including health and education systems. And match skills and training to meet the demands of businesses and private sector; Promote science, technology, and the creative arts to enhance innovation and creative capacity towards self-sustaining and inclusive development; Improve social protection programs, including the government's Conditional Cash fransfer program, to protect the poor against instability and economic shocks; and Strengthen the implementation of the Responsible Parenthood and Reproductive Health Law to enable Filipinos especially poor couples, to make informed choices on financial and family planning.



Issues and Concerns in the Development of Science, Technology and Innovation Policy a. Weak STI career system, inadequate STI human resources, job mismatch, aging STI personnel b. Inadequate STI infrastructure, low government spending c. Poor methodology for STI priority setting d. Disjointed STI efforts / weak inter-agency coordination e. Environmental threats / hazards

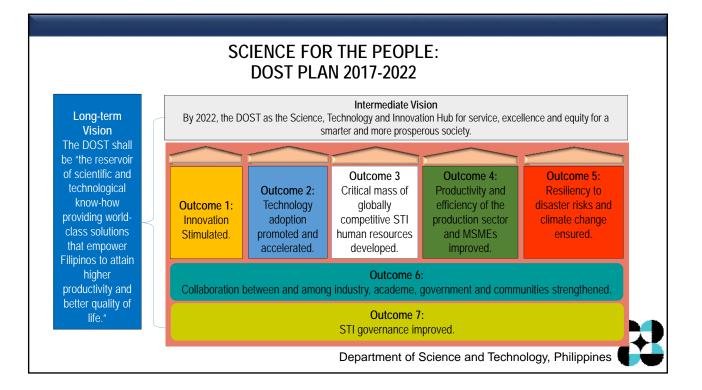
f. Weak mechanisms that motivate STI personnel to increase productivity and to innovate



Other Chapters in the PDP and the Corresponding Outcomes with STI Applications:

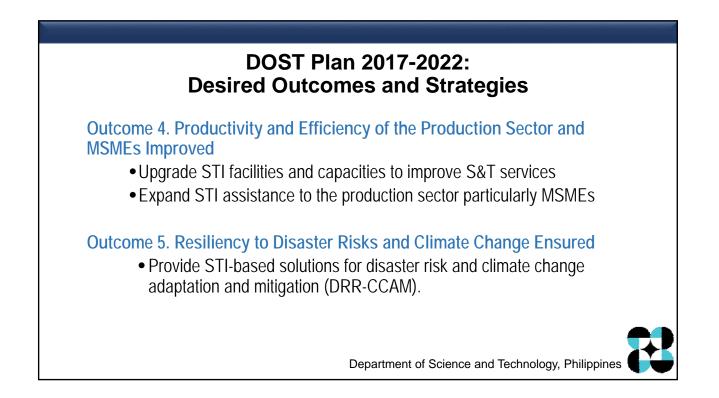
- · Ch5: Corruption reduced; citizenry fully engaged and empowered
- · Ch6: Criminal, commercial and administrative justice system enhanced
- Ch8: AFF productivity increased within ecological limits; AFF-based enterprises increased; Access to technology increased; (R&D and tech adoption and utilization)
- Ch9: Competitiveness, innovativeness and resilience of industries increased; Productivity, efficiency and resilience of MSMEs and cooperatives improved
- Ch11: Interventions for all life stages and triple burden of diseases including malnutrition; Quality of Higher and Technical Education and research improved for equity and global competitiveness
- · Ch12: Access to affordable, adequate, safe and secure shelter
- Ch19: Increase spending on public infrastructures; intensify research and development on costeffective technologies;
- Ch20: Intensify sustainable management of natural resources through the adoption of ridge-to-reef
 approach and integrated areas development; expand the development of resource-based
 enterprises/industries; increased adaptive capacities and resilience of ecosystems



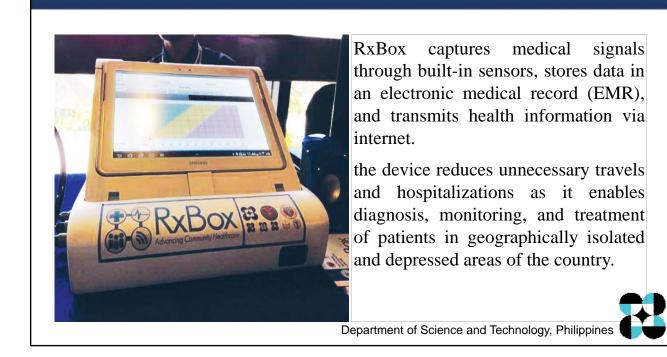












SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

This Ground Receiving Station (GRS) project is one of the component projects of the Philippine Microsatellite (PHL-MICROSAT) Program, which launched into space DIWATA-1 and DIWATA-2, two 50 kilogram microsatellites designed and built by Filipinos.



SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Automated Weather Station (AWS) are stand-alone devices that measure weather-related indicators and transmit data from remote areas to the Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) head office in Quezon City on real-time basis.



Deployed and installed 388 hydromet devices

Maintained 1,694 existing stations

Department of Science and Technology, Philippines

SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Phil-LIDAR 1 and 2 -

The program consists of two (2) sub-programs, namely: Phil – LiDAR 1: Hazard Mapping of the Philippines using LiDAR and Phil-LiDAR 2: Nationwide Detailed Resources Assessment using LIDAR, which took off from the DREAM-LiDAR Program.

<caption>

SDG 9: Build resilient infrastructure, promote inclusive and sustainable

industrialization and foster innovation



PAGASA Improved Forecast Track Error

The DOST-PAGASA provided accurate forecasts for 14 Tropical Cyclones in 2016, garnering a low average forecast track error of 90.65km against the 100km target for 24-hour forecast.

The advance warnings and excellent forecast for Super Typhoon Lawin at 52.2km 24-Hour forecast track error resulted to a very low death toll (14 persons) compared to Super Typhoon Yolanda with more than 6,000 death.

New radar installation

The installation of the Zamboanga Doppler Weather Radar System (DWRS) was completed to address areas not covered by the existing rad stations over the western part of the Philippines. Department of Science and Technology, Philippines

SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

The Build Back Better Program is a scientific platform that focuses on post-disaster reconstruction and rehabilitation based on best practices of environmental planning; structural and architectural designs and; guidelines for residential structures and evacuation centers.

