

Department of Science and Technology

MANDATE

To provide central direction, leadership and coordination of scientific and technological efforts and ensure that the results therefrom are geared and utilized in areas of maximum economic and social benefits for the people.

DOST Organizational Chart

	Secretary									
	Undersecretary for Research and Development		Undersecretary for Regional Operations		Undersecretary for Scientific and Technical Services		Undersecretary for Disaster Risk Reduction and Climate Change			
Ī	Assistant Secretary for		Assistant Secretary for				Assistant Secretary for Human Resources			
	International Cooperation		Administration and Legal Affairs		Finance and Strategic Planning		Management Services, and Special Concerns			
	Administrative and Gende		r and Development and	In	ternal Audit	Finance and Management		Planning and Evaluation		
	Legal Service Regi		onal Support Service		Service	Service		Service		

SECTORAL PLANNING COUNCILS (3)



Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development



Philippine Council for Health Research and Development



Philippine Council for Industry, Energy and Emerging Technology Research and Development

COLLEGIAL AND SCIENTIFIC BODIE



National Academy of Science and Technology





R&D INSTITUTES (7)



S&T SERVICES (6)

Philippine Atmospheric, Geophysical and Astronomical Services Administration



Philippine Institute of Volcanology and Seismology



Philippine Science High School System



Science Education Institute



Science and Technology Information Institute



Technology Application and Promotion Institute



Advanced Science and Technology



Food and Nutrition Research Institute



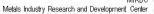
Forest Products Research and Development Institute



Industrial Technology Development Institute









Philippine Nuclear Research Institute





Philippine Textile Research Institute

REGIONAL OFFICES (16)

Provincial Science and Technology Centers (80)



Metrics of Evaluation



- 1. Publications
- 2. Patents
- 3. Products
- 4. People Services
- 5. Places and Partnerships
- 6. Policies





ASEAN Committee on Science, Technology & Innovation

From ASEAN SOCIO-CULTURAL COMMUNITY: contribute to realising an ASEAN Community that is people-centred and socially responsible with a view to achieving enduring solidarity and unity among the nations and peoples of ASEAN by forging a common identity and building a caring and sharing society which is inclusive and harmonious where the well-being, livelihood, and welfare of the peoples are enhanced.

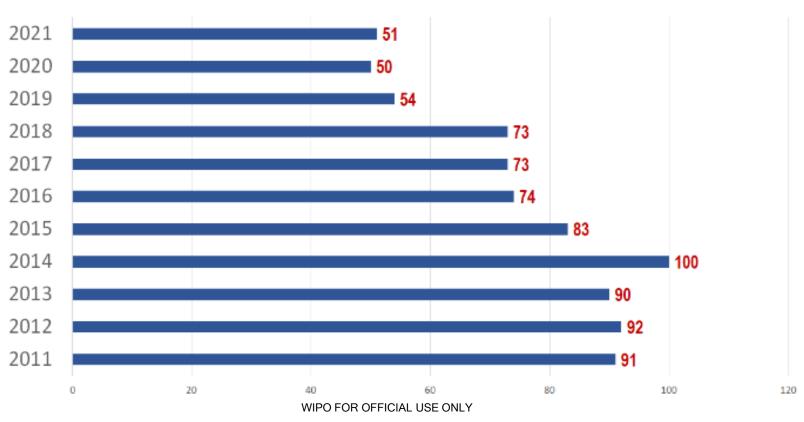
To ASEAN ECONOMIC COMMUNITY: the realisation of the region's end goal of economic integration. It envisions ASEAN as a single market and production base, a highly competitive region, with equitable economic development, and fully integrated into the global economy.

How is innovation measured?



Philippines progress in the GII





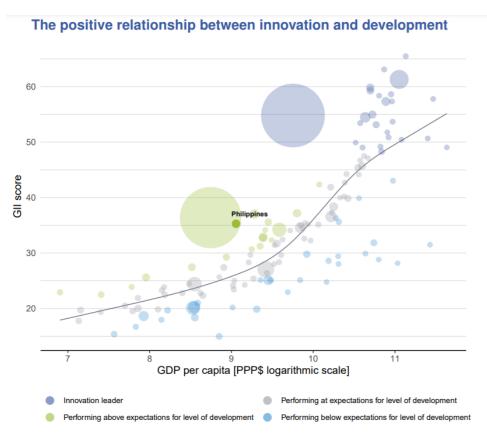
Rankings for Philippines (2019–2021)

	GII	Innovation inputs	Innovation outputs
2021	51	72	40
2020	50	70	41
2019	54	76	42

Philippines ranks 4th among the 34 lower middle-income group economies.

Philippines ranks 11th among the 17 economies in South East Asia, East Asia, and Oceania.

EXPECTED VS. OBSERVED INNOVATION PERFORMANCE

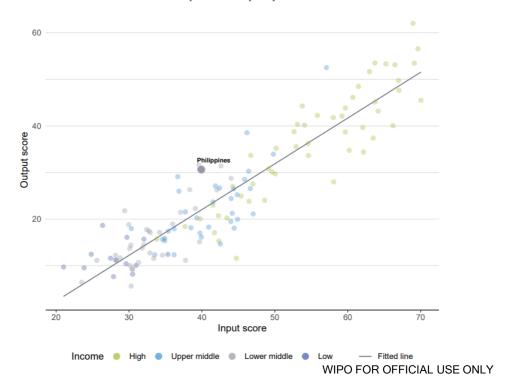


Relative to GDP,
Philippines's
performance is above
expectations for its level
of development.



EFFECTIVELY TRANSLATING INNOVATION INVESTMENTS INTO INNOVATION OUTPUTS

Innovation input to output performance

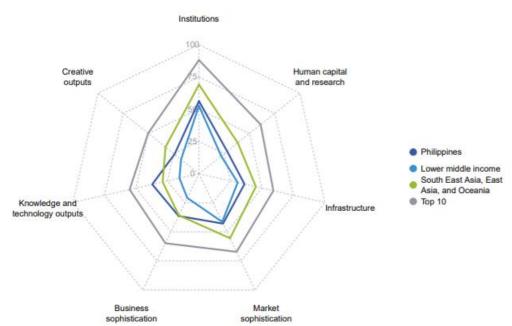


Philippines <u>produces</u>
<u>more innovation</u>
<u>outputs</u> relative to its
level of innovation
investments



BENCHMARKING AGAINST OTHER LOWER MIDDLE-INCOME GROUP ECONOMIES AND SOUTH EAST ASIA, EAST ASIA, AND OCEANIA

The seven GII pillar scores for Philippines



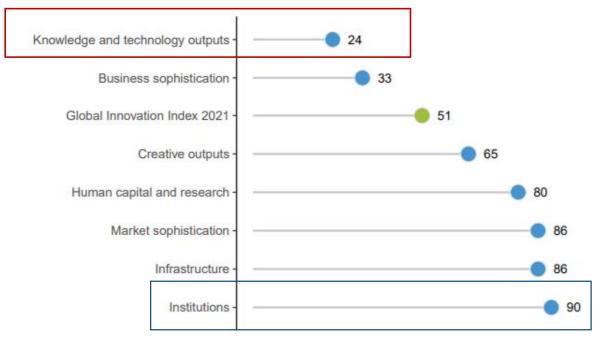
Lower middle-income group economies

Philippines performs above the lower middle-income group average in all GII pillars.

South East Asia, East Asia, and Oceania

Philippines performs above the regional average in two pillars, namely: Business sophistication; and, Knowledge and technology outputs.

The seven GII pillar ranks for Philippines



Note: The highest possible ranking in each pillar is one.

Philippines performs best in Knowledge and technology outputs and its weakest performance is in Institutions.

Philippine Innovative Startup Act

Republic Act No. 11337

Providing Benefits and Programs to Strengthen, Promote and Develop the Philippine STARTUP Ecosystem











Philippine Startup
Development Program is
set to offer "programs,
benefits, and incentives"
for both startups and
enablers.



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[REFURLE ACT NO. 11337]

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Strengths of Philippines in GII 2021

- □ 5.3.2 High-tech imports, % total trade (1)
- ☐ 6.3.3 High-tech exports, % total trade (1)
- ☐ 6.3 Knowledge diffusion (5)
- □ 5.1.2 Firms offering formal training, % (8)
- ☐ 6.1.3 Utility models by origin/bn PPP\$ GDP (8)
- ☐ 5.3 Knowledge absorption (10)
- ☐ 7.2.5 Creative goods exports, % total trade (10)
- ☐ 6.3.4 ICT services exports, % total trade (13)
- □ 2.2.2 Graduates in science and engineering, % (19)
- □ 3.3.1 GDP/unit of energy use (21)
- ☐ 4.3 Trade, diversification, and market scale (21)
- ☐ 4.3.1 Applied tariff rate, weighted avg., % (22)
- ☐ 4.3.3 Domestic market scale, bn PPP\$ (27)

Weakness of Philippines in GII 2021

- ☐ 1.3.1 Ease of starting a business (125)
- ☐ 6.1.4 Scientific and technical articles/bn PPP\$ GDP (124)
- □ 4.1 Credit (119)
- ☐ 1.2.3 Cost of redudancy dismissal (114)
- □ 4.1.1 Ease of getting credit (113)
- ☐ 6.2.2 New businesses/th pop. 15–64 (109)
- □ 5.2.3 GERD financed by abroad, % GDP (92)
- ☐ 7.2.4 Printing and other media, % manufacturing (87)
- □ 2.1.4 PISA scales in reading, maths and science (78)
- ☐ 4.2.3 Venture capital investors, deals/bn PPP\$ GDP (77)
- □ 2.3.3 Global corporate R&D investors, top 3, mn US\$ (42)

Action of Philippines

- Dialogue with other government agencies on the submission of updated data to UNESCO Institute for Statistics.
- 2. Submission of particular **items under Weaknesses** to appropriate government agency.
- 3. Science for Change Program bill











Business Innovation through S&T for Industry





S4CP Bill was approved in the lower house on September 21, 2021, but no hearing yet in Senate of the lower house on

