

Accelerate Climate Action Through the Compilation of Philippine Set of Climate Change Statistics and Indicators (PSCCSI)

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Outline of the Presentation

- ❑ Role of the Philippine Statistics Authority (PSA)
- ❑ The Philippine Ecosystem and Natural Capital Accounting System (PENNCAS) Act
- ❑ Initiatives in the Compilation of Philippine Set of Climate Change Statistics and Indicators (PSCCSI)
- ❑ Ways Forward

Role of the Philippine Statistics Authority (PSA)

Republic Act No. 10625 (Philippine Statistical Act of 2013):

“REORGANIZING AND STRENGTHENING THE PHILIPPINE STATISTICAL SYSTEM AND FOR OTHER PURPOSES”

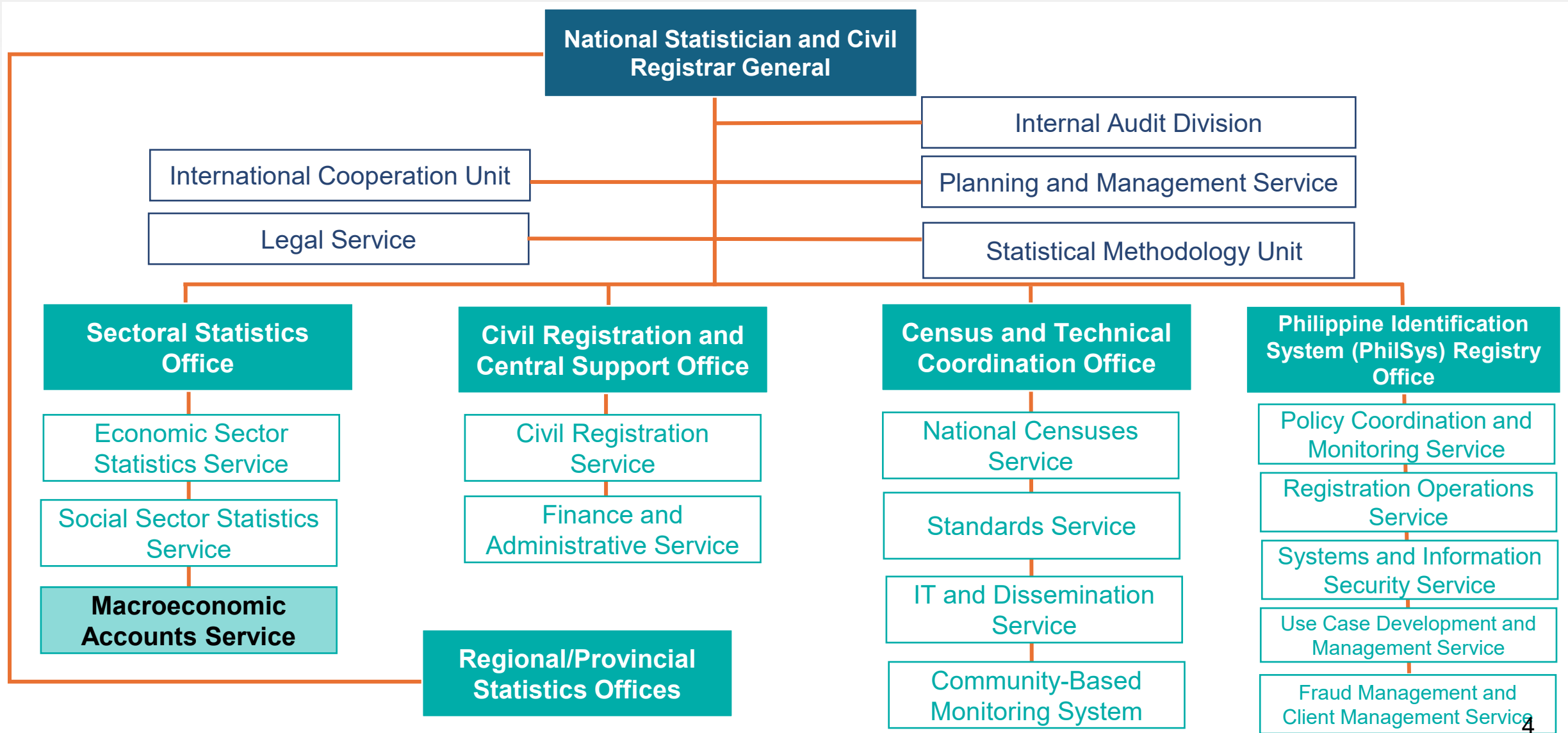
- Primarily responsible for all national censuses and surveys, sectoral statistics, consolidation of selected administrative recording systems and **compilation of national accounts**.

Republic Act No. 11055: “An Act Establishing the Philippine Identification System”

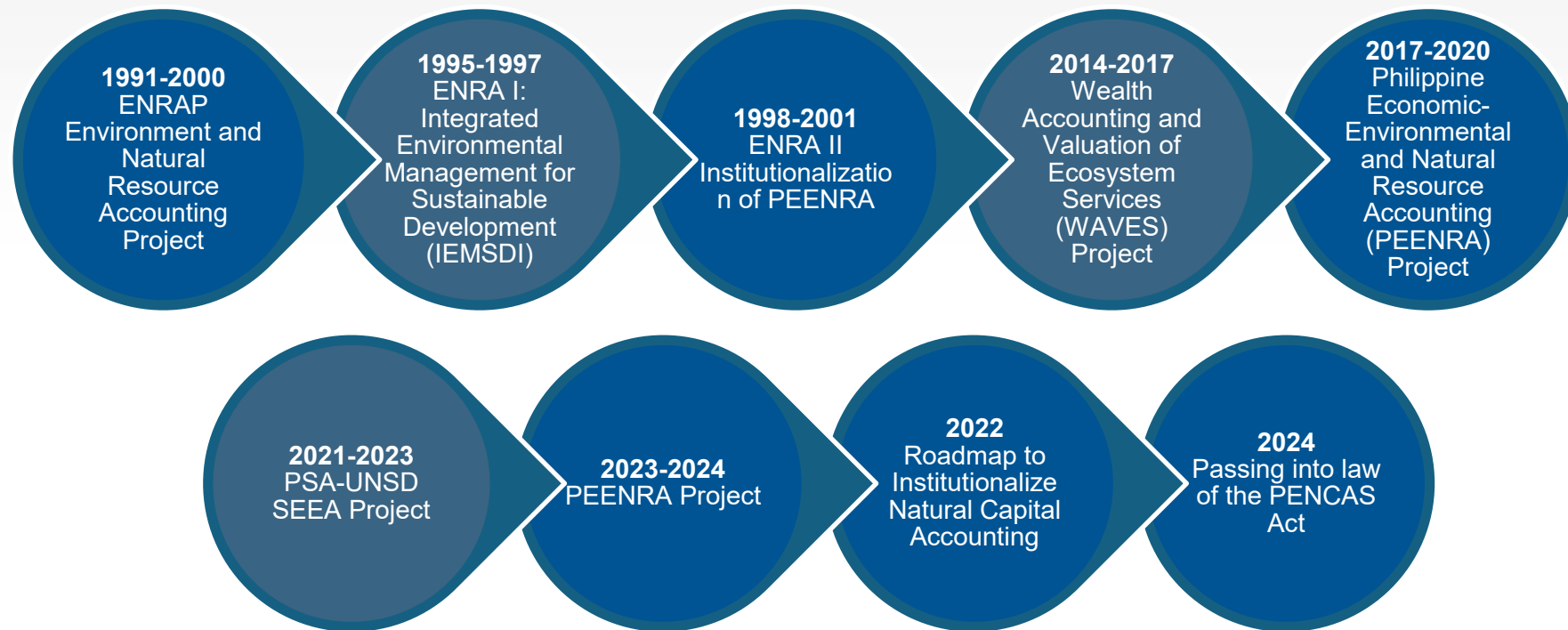
Republic Act No. 11315: “Community-based Monitoring System Act”

Republic Act No. 11995: “Philippine Ecosystem and Natural Capital Accounting System (PENCAS) Act”

The Philippine Statistics Authority – Organizational Structure

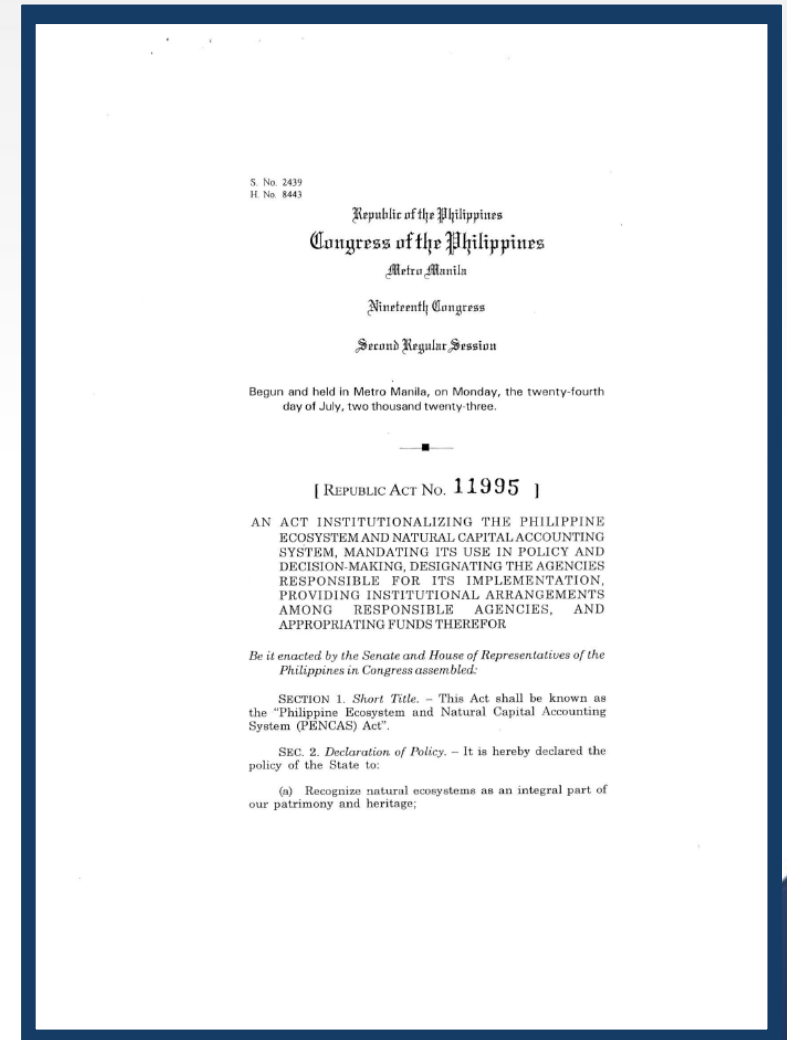


Milestones of NCA in the Philippines



The Philippine Ecosystem and Natural Capital Accounting System (PENCAS) Act

An Act institutionalizing the Philippine Ecosystem and Natural Capital Accounting System (PENCAS), **mandating its use in policy and decision-making, designating the agencies responsible** for its implementation, **providing institutional arrangements** among responsible agencies, and **appropriating funds** therefor.

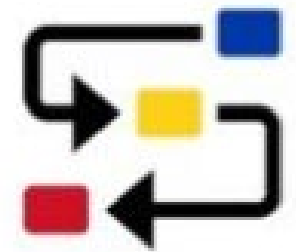


Philippine Ecosystem and Natural Capital Accounting System

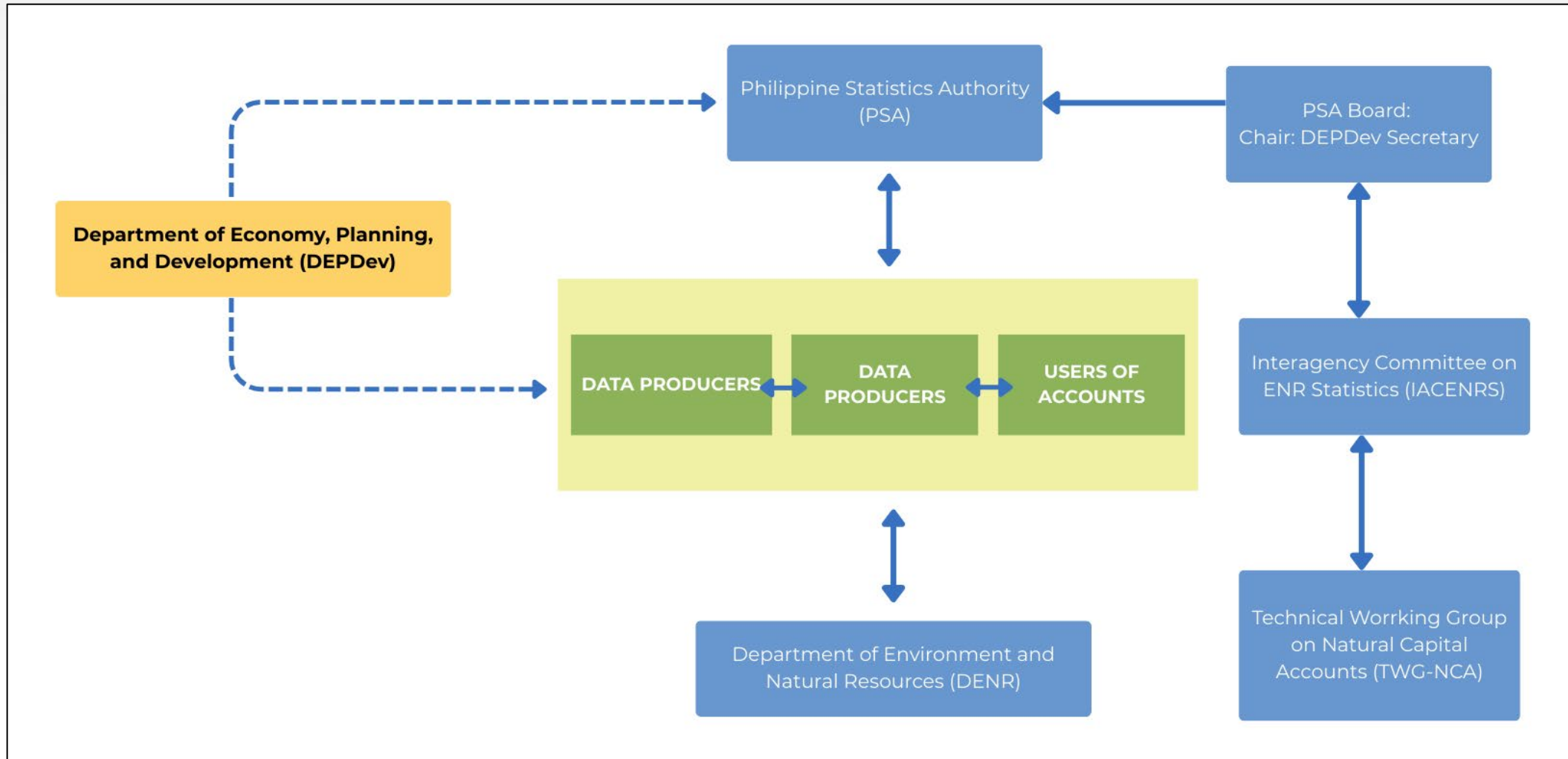


The PENCAS shall be based on **internationally accepted environmental-economic accounting frameworks.**

The PENCAS framework shall include, among others, **a list of the officially designated statistics** on the **depletion, degradation, and restoration of natural capital**; **environmental protection expenditures**; **pollution and quality of land, air and water**; **environmental damages**; and **adjusted net savings.**



Institutional Arrangement



Global Set of Climate Change Statistics and Indicator (GSCCSI)

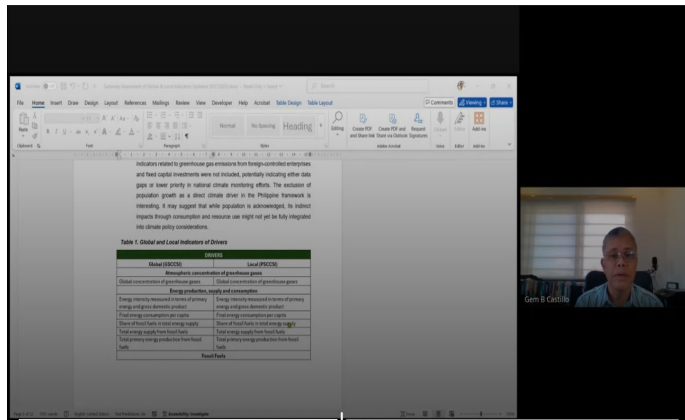
The GSCCSI is a comprehensive statistical framework, with statistics, indicators, and metadata, designed to **support countries in preparing their own sets** of climate change statistics and indicators **according to their individual concerns, priorities, and resources**. The Global Set was developed by the United Nations Statistics Division in collaboration with the UN Framework Convention on Climate Change.

The GSCCSI consists of five thematic areas, namely: **drivers, impacts, vulnerability, mitigation, and adaptation.**

Objectives of the Initiatives Towards PSCCSI

- **Strengthen institutional and technical capacity of the PSA and partner agencies through:**
 - a. Training and capacity-building workshops to identify key climate change indicators and develop methodologies for data collection, analysis, and reporting, as well as provide technical assistance to develop and enhance the capacity of the government to utilize climate change statistics and indicators for policymaking.
 - b. Collaboration with experts and stakeholders to identify priority indicators and statistics.
- **Strengthen national capacity to align with the United Nations GSCCSI for monitoring sustainable development and formulation of integrated, evidence-based policies.**
- **Compile Climate Change Statistics and Indicators in the Philippines that are aligned with the SDGs.**

Initiatives on the Compilation PSCCSI



Series of meetings with the PSA and the World Bank consultants

21 January 2025
 31 January 2025
 05 February 2025
 20 February 2025
 27 February 2025



Training – Workshop on the Philippine Set of Climate Change Statistics and Indicators

18 – 20 March 2025



Bilateral Meeting with the Climate Change Commission and other relevant partner agencies

02 July 2025 to present

Assessment Matrix: Frameworks/Applicability

Number	Area	Topic	GSCCSI Indicators	Statistic	Tier	Theme	Paris Agreement article	PAWP-Katowice	Applicability in Philippine Context	Applicability in Philippine Context Based on PSA Matrix)	GSCCSI Statistic With PSA Counterpart Statistic	FDES Reference	Compendium of Philippine Environment Statistics (CPES)	Data Source	Remarks (Additional Information)	References
1	I_DRIVERS	A_TOTAL	1_Total	Total emissions of direct	1	GHG emissions	13.7a	Decision	Yes	Yes	Total emis	[Similar		Climate	What:	
2	I_DRIVERS	A_TOTAL	2_Total	Equivalent to the indicator	1	GHG emissions	13.7a	Decision	Yes	Yes	Equivalen	[Similar	Table	Climate	What:	
27	II_IMPACTS	H_AGRIC	27_Direct	Equivalent to the indicator	2	Agriculture	7; 13.8	Decision	Yes	No	Equivalen	[Part of]	Table	1.	What:	1.
28	II_IMPACTS	H_AGRIC	28_Crop	Crop yield	1	Agriculture	7; 13.8	Decision	Yes	Yes	Crop	[Similar	Table	Philippin	What:	
81	III_VULNERABILITY	T_WATER	81_Preval	Number, sex and age of	3	Food Security	7.1; 13.8	Decision	Yes	No				1. PSA,	What:	1.
82	III_VULNERABILITY	T_WATER	82_Balan	Food production	2	Food Security	7.1; 13.8	Decision	Yes	No			Table	1. PSA,	What:	1.
109	IV_MITIGATION	Y_RENEW	109_Prod	Renewable energy production	1	Energy	4.8; 4.13;	Decision	Yes	Yes	Renewab	[Similar	Table	Departm	What:	
109	IV_MITIGATION	Y_RENEW	109_Prod	Total energy production	1	Energy	4.8; 4.13;	Decision	Yes	Yes	Total	[Similar	Table	Departm	What:	
127	V_ADAPTATION	Z2_CLIMA	127_Prop	List and description of	3	Governance	7.9; 7.10	Decision	Yes	No				1.	What:	1.
128	V_ADAPTATION	Z2_CLIMA	128_Prop	Women's participation in sector-	3	Governance			Potential	No				1.	What:	1.

Assessment Matrix: Data Availability

Number	Area	Topic	GSCCSI Indicators	Statistic	National Data Sources	National focal institution	1.1.1 Relevance of indicator/statistic at the national level	1.1.2 Reference/ link	1.1.3 Priority for national data collection	1.2.1 Sub-national	1.2.2 National	1.2.3 Regional	1.2.4 International	1.2.5 Specification	2.1.1 Data availability	2.1.2 Reference/ link	2.1.3 Data type
1	I_DRIVERS	A_TOTAL	1_Total	Total emissions of direct	CCC	CCC	R	PDP	P	X	X	X	X	UNFCCC	YES		C
2	I_DRIVERS	A_TOTAL	2_Total	Equivalent to the indicator	DENR	DENR	R		P		X	X	X	UNFCCC	Partially		M
27	II_IMPACTS	H_AGRIC	27_Direct	Equivalent to the indicator	DA-RFOs	DA-	R		P	X	X		X	Sub-	Yes	https://w	C
28	II_IMPACTS	H_AGRIC	28_Crop	Crop yield	DA-RFOs	DA-	R		P	X	X		X	Sub-	Yes	https://w	C
81	III_VULNERABILITY	T_WATER	81_Preval	Number, sex and age of	DOST-FNFI	DOST-FNFI	R	https://en	P	x	x	x	x	UNICEF, W	Yes	https://en	C
82	III_VULNERABILITY	T_WATER	82_Balan	Food production	PSA	PSA	R	https://ps	P	X	X				Yes	https://ps	C
109	IV_MITIGATION	Y_RENEW	109_Prod	Renewable energy production	DOE	DOE	R		P		X				Yes	https://do	C
109	IV_MITIGATION	Y_RENEW	109_Prod	Total energy production	DOE	DOE	R		P		X				Yes	https://do	C
127	V_ADAPTATION	Z2_CLIMA	127_Prop	List and description of	DENR,	CCC-	R	NCCAP	P	X	X	X	X		Y	NCCAP,	
128	V_ADAPTATION	Z2_CLIMA	128_Prop	Women's participation in sector-	PCW,	DOLE-	R	PSA-LFS	P	x	x	x	x	Gender	Y		

Assessment Matrix: Linkages

Number	Area	Topic	GSCSI Indicators	Statistic	NCCAP Implementation Plan	Philippine Development Plan (2023 - 2028)	UN Sustainable Development Goals (SDG)	UN SDGs Related Reporting Frequency	Philippines' Nationally Determined Contribution (NDC)
1	I_DRIVERS	A_TOTAL	1_Total	Total emissions of direct					
2	I_DRIVERS	A_TOTAL	2_Total	Equivalent to the indicator					
27	II_IMPACTS	H_AGRIC	27_Direct	Equivalent to the indicator	Yes	Yes	Yes		Yes
28	II_IMPACTS	H_AGRIC	28_Crop	Crop yield	Yes	Yes	Yes		Yes
81	III_VULNERABILITY	T_WATER	81_Preval	Number, sex and age of					
82	III_VULNERABILITY	T_WATER	82_Balan	Food production					
109	IV_MITIGATION	Y_RENEW	109_Prod	Renewable energy production					
109	IV_MITIGATION	Y_RENEW	109_Prod	Total energy production					
127	V_ADAPTATION	Z2_CLIMA	127_Prop	List and description of					
128	V_ADAPTATION	Z2_CLIMA	128_Prop	Women's participation in sector-					

What do we currently have in the Philippines?

166

Applicable to the Philippines

125

Currently part of the CPES

35

Partially available

25

National Climate Change
Action Plan (NCCAP)

23

Philippine Development Plan
(2023 – 2028)

Ways Forward

1. Strengthen capacity to produce and use statistics for effective climate action in Asia and the Pacific

Objectives:

- Produce a priority set of nationally relevant, multidimensional climate statistics.
- Demonstrate their usefulness in shaping climate policy recommendations and fulfilling reporting needs.
- Foster peer-learning among the target countries and beyond.
- Develop knowledge resources to support continued production and use.

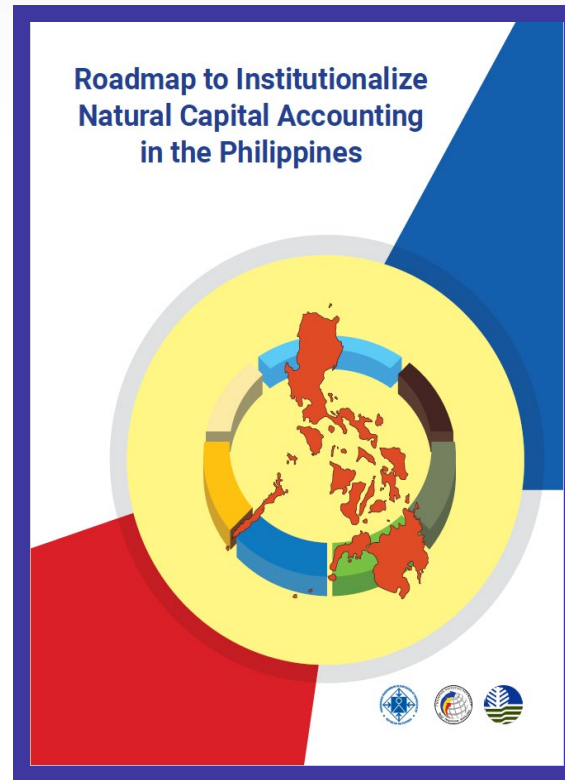
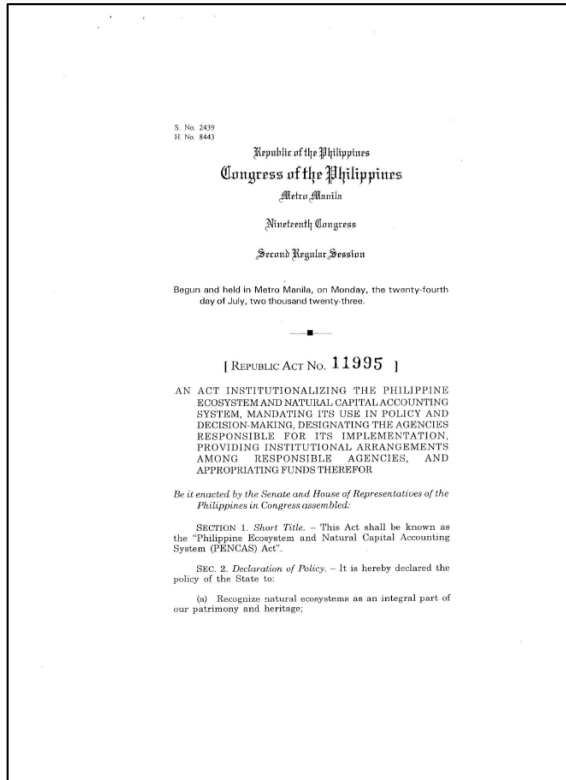
Ways Forward

2. National multistakeholder dialogue among data users, data holders, and data producers in December 2025

Objective: to scope, identify, and prioritize key policy demands, as well as a nationally relevant list of multidimensional climate change-related statistics to be developed and/or improved under the project.

Ways Forward

3. Progressive implementation of the Philippine Ecosystem and Natural Capital Accounting System (PENCAS)





Thank you

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