

XXI. DEPARTMENT OF SCIENCE AND TECHNOLOGY**A. OFFICE OF THE SECRETARY****STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and cutting-edge technological innovations

PERFORMANCE INFORMATION

<u>ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)</u>	<u>BASELINE</u>	<u>2022 TARGETS</u>
Increased benefits to Filipinos from scientific knowledge and cutting-edge technological innovations		
STRATEGIC SCIENCE AND TECHNOLOGY (S&T) PROGRAM		
Outcome Indicators		
1. Percentage of projects completed within the required timeframe	12%	96%
2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences or with IP filed or approved	87%	92%
3. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed	81%	90%
Output Indicators		
1. Number of projects funded	175	348
2. Number of grantees supported	60	338
3. Percentage of programs/projects received that are evaluated and approved within the standard period of 90 days	75%	90%
S&T PROGRAM FOR REGIONAL AND COUNTRYSIDE DEVELOPMENT		
Outcome Indicators		
1. Percentage increase in productivity generated	19%	15%
2. Percentage increase in employment generated	13%	6%
3. Percentage of clients who rate the assistance as satisfactory or better	96%	92%
Output Indicators		
1. Number of S&T interventions provided	49,784	17,098
2. Number of MSMEs, LGUs, HEIs, communities and other customers assisted	31,064	16,261
3. Percentage of requests for technical assistance that are acted upon within the ISO standard time	95%	95%

B. ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

- 1. Technology adoption promoted and accelerated
- 2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies in ICT and Microelectronics

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2022 TARGETS

Increased benefits to Filipinos from scientific knowledge and technologies in ICT and Microelectronics

ADVANCED SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

- | | | |
|--|----------------|-----------------|
| 1. Number of partnerships with public and private stakeholders and international organizations | 7 | 7 |
| 2. Amount of revenue generated from partnerships | Php 39,600,000 | Php 100,000,000 |

Output Indicators

- | | | |
|---|------|-----|
| 1. Number of projects completed | 9 | 3 |
| 2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved | 133% | 95% |
| 3. Percentage of projects implemented within approved timeframe | 100% | 95% |

ADVANCED SCIENCE AND TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

- | | | |
|--|----------------|----------------|
| 1. Amount of revenue generated from technology transfer and technical assistance | Php 12,549,676 | Php 13,000,000 |
| 2. Percentage of clients who rate the quality of technical assistance provided as satisfactory or better | 100% | 95% |

Output Indicators

- | | | |
|---|------|-----|
| 1. Number of knowledge/technologies diffused | 13 | 13 |
| 2. Number of technologies transferred/commercialized through technology transfer agreement | 3 | 3 |
| 3. Percentage of request for technical assistance that have been provided within the required timeframe | 100% | 95% |

C. FOOD AND NUTRITION RESEARCH INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

- 1. Technology adoption promoted and accelerated
- 2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and food and nutrition technologies

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Increased benefits to Filipinos from scientific knowledge and food and nutrition technologies		
FOOD AND NUTRITION RESEARCH AND DEVELOPMENT PROGRAM		
Outcome Indicator		
1. Percentage reduction of malnutrition prevalence in a municipality or barangay in each of the priority 25 provinces where S&T-based intervention model can be showcased	15%	15%
2. Amount of revenue generated from partnerships	Php 1,000,000	Php 2,000,000
Output Indicators		
1. Number of projects completed	13	13
2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	20% (n=30)	20% (n=30)
3. Percentage of projects implemented within the approved timeframe	100%	100% (n=40)
NUTRITIONAL ASSESSMENT AND MONITORING PROGRAM		
Outcome Indicator		
1. Percentage of national government agencies and local government units that adopt/refer to the results of the National Nutrition Survey	100%	100%
Output Indicators		
1. Number of nutrition and nutrition-related indicators collected/generated and made available to the public within the prescribed time period	400	400
2. Number of feedback conferences/dissemination fora conducted	37	37
3. Number of projects/studies completed	5	5
FOOD AND NUTRITION TECHNOLOGY AND KNOWLEDGE DIFFUSION PROGRAM		
Outcome Indicators		
1. Percentage increase in the utilization of science-based intervention (technologies/products/services/models transferred and utilized; tools and guidelines adopted)	20% (n=6)	20% (n=6)
2. Percentage of technology transfer beneficiaries that rate the technology as satisfactory or better	95% (n=19)	95% (n=19)
Output Indicators		
1. Number of technology transfer agreements forged	20	20
2. Number of technical services rendered	3,000	3,000
3. Percentage of request for technical services provided within the required timeframe	95% (n=2,850)	95% (n=2,850)

D. FOREST PRODUCTS RESEARCH AND DEVELOPMENT INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and forest-based product technological innovations

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Increased benefits to Filipinos from scientific knowledge and forest-based product technological innovations		
FOREST PRODUCTS RESEARCH AND DEVELOPMENT PROGRAM		
Outcome Indicators		
1. Number of partnerships with public and private stakeholders and international organizations	-	3
2. Amount of revenue generated from partnerships	-	Php 20M
Output Indicators		
1. Number of projects completed	12	12
2. Percentage of projects implemented within the approved timeframe	100%	90%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, and/or with IP filed or approved	90%	90%
FOREST PRODUCTS TECHNOLOGY TRANSFER PROGRAM		
Outcome Indicators		
1. Percentage of clients that rate the technology transfer as satisfactory or better	100%	90%
Output Indicators		
1. Number of knowledge/technologies diffused	-	20
2. Number of technologies transferred/commercialized through technology transfer agreement	-	10
3. Percentage of request for technology transfer that have been provided within the required timeframe	100%	90%
FOREST PRODUCTS SCIENCE AND TECHNOLOGY SERVICES PROGRAM		
Outcome Indicator		
1. Percentage of customers that rate the technical services rendered as satisfactory or better	100%	90%
Output Indicators		
1. Number of technical services rendered	2,128	2,000
2. Percentage of request for technical services that have been provided within the required timeframe	100%	90%
3. Number of clients benefiting from technical services	720	720

E. INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies for industry productivity and competitiveness

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Increased benefits to Filipinos from scientific knowledge and technologies for industry productivity and competitiveness		
INDUSTRIAL TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM		
Outcome Indicators		
1. Number of partnerships with public and private stakeholders and international organizations	10	10
2. Amount of revenue generated from partnerships	-	Php 100,000,000
Output Indicators		
1. Number of projects completed	15	20
2. Percentage of projects implemented within the approved timeframe	100%	100%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	7%	5%
INDUSTRIAL TECHNOLOGY TRANSFER PROGRAM		
Outcome Indicators		
1. Percentage of clients that rate the technology transfer as satisfactory or better	90%	90%
Output Indicators		
1. Number of knowledge/technologies diffused	30	45
2. Number of technologies transferred/commercialized through technology transfer agreement	5	5
3. Percentage of requests for technical assistance that have been provided within the required timeframe	95%	95%
INDUSTRIAL TECHNOLOGY TECHNICAL SERVICES PROGRAM		
Outcome Indicator		
1. Percentage of customers that rate the technical services rendered as satisfactory or better	100%	90%
Output Indicators		
1. Number of technical services rendered	21,488	20,000
2. Percentage of request for technical services that have been provided within the required timeframe	100%	90%
3. Number of clients benefiting from technical services	-	3,000

F. METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Innovation stimulated
1. Technology adoption promoted and accelerated
3. Productivity and efficiency of communities and production sector, particularly MSMEs, improved
4. Effective STI governance achieved

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies in cutting-edge metals and engineering innovations

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Increased benefits to Filipinos from scientific knowledge and technologies in cutting-edge metals and engineering innovations		
METALS INDUSTRY RESEARCH PROGRAM		
Outcome Indicators		
1. Number of partnerships with public and private stakeholders and international organizations	30	25
2. Amount of revenue generated from partnerships	Php 500,000	Php 500,000
Output Indicators		
1. Number of projects completed	49	15
2. Percentage of projects implemented within the approved timeframe	96%	95%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, and/or with IP filed or approved	60%	12%
METALS INDUSTRY TECHNOLOGY TRANSFER PROGRAM		
Outcome Indicator		
1. Percentage of clients that rate the technology transfer as satisfactory or better	70%	80%
Output Indicators		
1. Number of technologies diffused	20	25
2. Number of technologies transferred/commercialized through technology transfer agreement	8	6
3. Percentage of requests for technology transfer that have been provided within the required timeframe	60%	70%
METALS INDUSTRY SCIENCE AND TECHNOLOGY SERVICES PROGRAM		
Outcome Indicator		
1. Percentage of customers that rate the technical services rendered as satisfactory or better	99%	95%
Output Indicators		
1. Number of technical services rendered	6,281	4,300
2. Percentage of request for technical services that have been provided within the required timeframe	94%	95%
3. Number of clients benefiting from technical services	2,416	1,700

G. NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge by recognizing outstanding achievements and enhancing and fostering policy environment for the development of Science and Technology

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Increased benefits to Filipinos from scientific knowledge by recognizing outstanding achievements and enhancing and fostering policy environment for the development of Science and Technology		
SCIENCE AND TECHNOLOGY RECOGNITION AND POLICY ADVISORY PROGRAM		
Outcome Indicators		
1. Percentage of scientists given awards over nominations received	20%	20%
2. Number and percentage of policies, recommendations, formulated, submitted to concerned offices and accepted by said offices	6/80%	6/80%
Output Indicators		
1. Percentage of nominations for awards and incentives acted upon within the prescribed period	100%	100%
2. Percentage of benefits and privileges provided to national scientists and academy members within the prescribed period	50%	57%
3. Number of recognition, advisory, scientific linkages and PSHC-related activities	20	20

H. NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Problem-focused multi-disciplinary basic research, policy formulation and collaboration among Filipino researchers enhanced

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Problem-focused multi-disciplinary basic research, policy formulation and collaboration among Filipino researchers enhanced		
POLICY DEVELOPMENT FOR SCIENCE AND TECHNOLOGY ADVISORY PROGRAM		
Outcome Indicators		
1. Percentage of Filipino researchers collaborating on problem-focused multi-disciplinary basic Research and Development programs	25%	15.93% (5,710/35,848)
2. Percentage increase of stakeholders approving the policies formulated	96%	3%
Output Indicators		
1. Number of projects with policy implications presented in stakeholders' forum	5	6
2. Percentage of participants that rated the forum as satisfactory or better	96%	97%
3. Number of new approved NRCP members	276	500
BASIC RESEARCH AND DEVELOPMENT MANAGEMENT PROGRAM		
Outcome Indicators		
1. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed	100%	100%

2. Number of partnerships with local (public and private) and international organizations	15	16
Output Indicators		
1. Number of projects funded	12	33
2. Number of projects monitored	18	58
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	100%	100%

I. PHILIPPINE ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL SERVICES ADMINISTRATION

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated
3. Ecological integrity ensured and socioeconomic condition of resource-based communities improved through sustainable integrated area development

ORGANIZATIONAL OUTCOME

Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events

PERFORMANCE INFORMATION

<u>ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)</u>	<u>BASELINE</u>	<u>2022 TARGETS</u>
Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events		
WEATHER AND CLIMATE FORECASTING AND WARNING PROGRAM		
Outcome Indicator		
1. Percentage of 81 provinces including Metro Manila that have robust science-based weather related information and services in their disaster risk reduction plans	26.81%	94%
Output Indicators		
1. Percentage of timely weather and tropical cyclone warnings issued within fifteen (15) minutes of scheduled time	90%	95%
2. Number of seasonal climate forecasts, climate impact assessment, tropical cyclone warning advisory (TCWA) for agriculture and farm weather forecasts and advisories issued	427	946
3. Annual Mean 24-hour Forecast Track Error (in kilometers)	100 km	Typhoon - less than or equal to 100 km Tropical Storm - less than or equal to 120 km
FLOOD FORECASTING AND WARNING PROGRAM		
Outcome Indicator		
1. Reduced number of casualties	-	0 casualty
Output Indicators		
1. Number of timely and accurate flood warnings issued	2,266	1,360
2. Percentage of timely flood warning issued within fifteen (15) minutes of scheduled time	97.62%	94.5%
3. Number of hazard maps developed/generated/updated	4	20

RESEARCH AND DEVELOPMENT ON ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL AND ALLIED SCIENCES PROGRAM

Outcome Indicators

1. Percentage of stakeholders who rated the forecasting capability services as satisfactory or better	80%	90%
2. Percentage increase of LGUs that use the hazard maps	50%	80%

Output Indicators

1. Number of researches/studies completed/published/operationalized and development of real innovative/pioneering projects	8	6
2. Percentage of involvement on the localization of instruments, facilities and models through innovation, collaboration and linkages	100%	100%
3. Number of technical assistance on actions/policies adapted by the LGU	1	98

J. PHILIPPINE COUNCIL FOR AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from science-based know-how and tools for agricultural productivity in the Agriculture, Aquatic and Natural Resources (AANR) sectors

PERFORMANCE INFORMATION**ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)****BASELINE****2022 TARGETS**

Increased benefits to Filipinos from science-based know-how and tools for agricultural productivity in the Agriculture, Aquatic and Natural Resources (AANR) sectors

NATIONAL AANR SECTOR R&D PROGRAM

Outcome Indicators

1. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed	98% (47/48)	90% (43/48)
2. Number of partnerships with local (public and private) and international organizations	255	120

Output Indicators

1. Number of projects funded	674	643
2. Number of projects monitored	630	637
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	92%	90% (129/143)

K. PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated

2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for healthcare

PERFORMANCE INFORMATION

<u>ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)</u>	<u>BASELINE</u>	<u>2022 TARGETS</u>
Increased benefits to Filipinos from scientific knowledge and technological innovations for healthcare		
NATIONAL HEALTH RESEARCH AND DEVELOPMENT PROGRAM		
Outcome Indicators		
1. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed	90% (9/10)	90% (9/10)
2. Number of partnerships with local (public and private) and international organizations	70	80
Output Indicators		
1. Number of projects funded	75	85
2. Number of projects monitored	200	250
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	45%	50% (135/270)

L. PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness

PERFORMANCE INFORMATION

<u>ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)</u>	<u>BASELINE</u>	<u>2022 TARGETS</u>
Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness		
NATIONAL INDUSTRY, ENERGY AND EMERGING TECHNOLOGY SECTORS R&D PROGRAM		
Outcome Indicators		
1. Percentage of priorities in the Harmonized National R&D Agenda (HNRDA) addressed	90%	90% (6/7)
2. Number of partnerships with local (public and private) and international organizations	20	55
Output Indicators		
1. Number of projects funded	98	99
2. Number of projects monitored	287	200
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	50%	55% (126/229)

M. PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated
2. Innovation stimulated
3. Ecological integrity ensured and socioeconomic condition of resource-based communities improved through sustainable integrated area development

ORGANIZATIONAL OUTCOME

Enhanced safety and resiliency of Filipinos to volcanic eruptions, earthquakes, tsunamis and other related hazards

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Enhanced safety and resiliency of Filipinos to volcanic eruptions, earthquakes, tsunamis and other related hazards		
VOLCANO, EARTHQUAKE AND TSUNAMI MONITORING AND WARNING PROGRAM		
Outcome Indicator		
1. Percentage of bulletins and warnings where the event follows within the predicted time	80%	80%
Output Indicators		
1. Number of warnings and bulletins issued	1761	event-driven
2. Percentage of bulletins and warnings issued within the set standard time	96.73%	85%
VOLCANO, EARTHQUAKE AND TSUNAMI HAZARDS MAPPING, RISK ASSESSMENT AND RESEARCH AND DEVELOPMENT PROGRAM		
Outcome Indicator		
1. Percentage of stakeholders who availed and rated PHIVOLCS products and services as satisfactory or better	80%	85%
Output Indicators		
1. Number of hazards maps, risk assessments reports generated/updated	26	16
2. Number of hazards maps, risk assessments certifications issued to clients	1,508	480
3. Number of technical papers presented in scientific meetings or published/submitted for publication in refereed journals	13	8
VOLCANO, EARTHQUAKE AND TSUNAMI DISASTER PREPAREDNESS AND RISK REDUCTION PROGRAM		
Outcome Indicators		
1. Number of communities or institutions assisted by PHIVOLCS on mainstreaming DRR in local development or disaster management and contingency plans	2	1
2. Percentage of stakeholders who availed and rated PHIVOLCS products and services as satisfactory or better	99.80%	85%
Output Indicators		
1. Number of PHIVOLCS-organized Disaster Risk Reduction (DRR) activities conducted	36	10
2. Number of stakeholders trained on Disaster Risk Reduction (DRR)	1,302	400
3. Number of REDAS license issued to trained stakeholders	475	240

N. PHILIPPINE NUCLEAR RESEARCH INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

1. Increased benefits to Filipinos from science-based R&D know-how and tools in cutting-edge nuclear and radiation technologies
2. Increased benefits to Filipinos from safe and secure utilization of nuclear and radiation technologies and materials

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2022 TARGETS

Increased benefits to Filipinos from science-based R&D know-how and tools in cutting-edge nuclear and radiation technologies

NUCLEAR RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

- | | | |
|--|-----------------|----------------|
| 1. Number of partnerships with public and private stakeholders and international organizations | 15 | 15 |
| 2. Amount of revenue generated from partnerships | Php 120,540,000 | Php 39,000,000 |

Output Indicators

- | | | |
|--|------|------|
| 1. Percentage of technologies transferred within the expected timeframe | 100% | 100% |
| 2. Percentage of projects implemented within the approved timeframe | 100% | 100% |
| 3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, and/or IP filed or approved | 100% | 100% |

NUCLEAR SCIENCE AND TECHNOLOGY SERVICES AND ADVISORY PROGRAM

Outcome Indicators

- | | | |
|--|------|-----|
| 1. Percentage of clients that rate the technology transfer as satisfactory or better | 99% | 99% |
| 2. Percentage of clients who rate the technical services as satisfactory or better | 100% | 97% |

Output Indicators

- | | | |
|--|--------|--------|
| 1. Number of knowledge/technologies diffused | 35 | 19 |
| 2. Number of technologies transferred/commercialized through technology transfer agreement | 1 | 1 |
| 3. Number of technical services rendered by sector | 62,480 | 58,920 |

Increased benefits to Filipinos from safe and secure utilization of nuclear and radiation technologies and materials

NUCLEAR REGULATIONS, SECURITY AND SAFEGUARDS PROGRAM

Outcome Indicators

- | | | |
|---|------|------|
| 1. Percentage benefit incidence of satisfactory implementation of safeguards agreement and physical security system | 100% | 100% |
| 2. Percentage benefit incidence of satisfactory regulatory issuances | 100% | 100% |
| 3. Percentage of compliance to regulatory standards | 95% | 90% |

Output Indicators

1. Number of regulations, guides, notices, bulletins or associated documents issued	6	6
2. Number of violation of regulations detected over the last five (5) years as a percentage of the average number of licenses and permits issued over the last five (5) years	9%	15%
3. Number of nuclear security/safeguards and regulatory activities implemented	12	9

O. PHILIPPINE SCIENCE HIGH SCHOOL**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Lifelong learning opportunities for all ensured
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased competitiveness of Filipinos in Science and Engineering

PERFORMANCE INFORMATION

<u>ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)</u>	<u>BASELINE</u>	<u>2022 TARGETS</u>
---	-----------------	---------------------

Increased competitiveness of Filipinos in Science and Engineering

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) SECONDARY EDUCATION ON SCHOLARSHIP BASIS PROGRAM**Outcome Indicators**

1. Percentage of PSHS graduates pursuing STEM courses	90%	90%(1,328/1,476)
2. Percentage of winnings/awards/recognition from the total number of STEM-related international (ASEAN included) competitions participated by the PSHS Scholars	80%	85%

Scholars

3. Percentile of PSHS students in Math in the US-based Scholastic Aptitude Test (SAT)	80th percentile	80th percentile
---	-----------------	-----------------

Output Indicators

1. Number of scholars supported	8,808	10,090
2. Cohort survival rate: Percentage of scholars who advance to the succeeding grade level until they complete the 6-year scholarship period	90%	90% (1,328/1,476)
3. Percentage of winnings, awards and recognition from total number of national and international competitions participated	90%	85%
4. Rank of the campuses based on the overall UPCAT scores of the PSHS student-takers	Top 20	Top 20

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) PROMOTION PROGRAM**Outcome Indicator**

1. Percentage of municipalities with applicants to the National Competitive Examination (NCE)	50%	30% (446 out of 1,488)
---	-----	------------------------

Output Indicators

1. Number of municipality recipients of promotional activities	137	64
2. Percentage of freshmen who were able to get a General Weighted Average (GWA) of 2.5 or better in the second quarter of the school year	85%	90% (1,647/830)

P. PHILIPPINE TEXTILE RESEARCH INSTITUTE**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for the productivity and competitiveness of textile, garment and allied industries and other institutions

PERFORMANCE INFORMATION**ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)****BASELINE****2022 TARGETS**

Increased benefits to Filipinos from scientific knowledge and technological innovations for the productivity and competitiveness of textile, garment and allied industries and other institutions

TEXTILE AND OTHER TEXTILE-RELATED RESEARCH AND DEVELOPMENT PROGRAM**Outcome Indicators**

1. Number of partnerships with public and private stakeholders and international organizations	2	10
2. Amount of revenue generated from partnerships	Php 20 M	Php 50 M
Output Indicators		
1. Number of projects completed	9	10
2. Percentage of projects implemented within the approved timeframe	100% (9/9)	100% (10/10)
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, and/or with IP filed or approved	14%	27%

TEXTILE S&T SERVICES PROGRAM**Outcome Indicator**

1. Percentage of customers that rate the technical services rendered as satisfactory or better	92%	92%
Output Indicators		
1. Number of technical services rendered	21,195	24,294
2. Percentage of request for technical services that have been provided within the required timeframe	95%	95%
3. Number of clients benefiting from technical services	250	385

TEXTILE TECHNOLOGY TRANSFER PROGRAM**Outcome Indicators**

1. Percentage of clients that rate the technology transfer as satisfactory or better	92%	92%
Output Indicators		
1. Number of knowledge/technologies diffused	13	28
2. Number of technologies transferred/commercialized through technology transfer agreement	18	16
3. Percentage of requests for technology transfer that have been provided within the required timeframe	90%	100%

Q. SCIENCE EDUCATION INSTITUTE**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Lifelong learning opportunities for all ensured
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Competitiveness of Filipinos in Science, Technology, Engineering and Mathematics (STEM) enhanced

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Competitiveness of Filipinos in Science, Technology, Engineering and Mathematics (STEM) enhanced		
SCIENCE AND TECHNOLOGY SCHOLARSHIP PROGRAM		
Outcome Indicators		
1. Percentage of scholars employed in STEM-related fields	50%	75%
2. Percentage of municipalities served	95%	98%
Output Indicators		
1. Number of scholars supported		
Undergraduate level	17,491	45,229
Masters program	2,407	4,308
Doctoral program	720	1,550
2. Percentage of scholars graduating within the scheduled full-time program		
Undergraduate level	97%	85%
Masters program	77%	70%
Doctoral program	42%	40%
3. Percentage of scholarship payments with a variance of actual payment to scheduled payment of more than one (1) day	95%	90%
SCIENCE AND TECHNOLOGY EDUCATION DEVELOPMENT PROGRAM		
Outcome Indicator		
1. Percentage of beneficiaries who rated the training and promotional program as satisfactory or better	100%	90%
Output Indicators		
1. Number of trainings and promotional programs conducted	82	122
2. Number of innovative learning resources developed and disseminated/deployed/established	2	8
3. Number of applications processed within two (2) months of receipt	10	75

R. SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE**STRATEGIC OBJECTIVES****SECTOR OUTCOME**

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Public Science and Technology awareness increased

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Public Science and Technology awareness increased		
SCIENCE AND TECHNOLOGY INFORMATION PROGRAM		
Outcome Indicator		
1. Percentage increase in public S&T awareness survey	6%	N/A
Output Indicators		
1. Percentage of clients who rate the library services as satisfactory or better	90%	90%
2. Number of STARBOOKS sites installed	100	100
3. Number of promotion services and advocacy activities conducted	1,408	1,336

S. TECHNOLOGY APPLICATION AND PROMOTION INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Filipinos protecting and venturing for innovative and emerging technology based projects increased

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2022 TARGETS
Filipinos protecting and venturing for innovative and emerging technology-based projects increased		
TECHNOLOGY APPLICATION AND INVENTION DEVELOPMENT PROGRAM		
Outcome Indicators		
1. Percentage increase in Intellectual Property protection filing for local technologies in the IPO Philippines	100% increase	10% increase
2. Percentage increase in the commercialization and adoption by industry/community of technologies diffused/supported	5%	7% increase
Output Indicators		
1. Number of pre-commercialization support provided for technologies, inventions and innovation	54	30
2. Number of inventions, innovations and technologies promoted and commercialized	46	50
3. Percentage of requests that are acted upon within 3 days of request	96%	95%
4. Number of technical advisory services rendered	1,495	1,600