# HRIDD ROADMAPS

# 2020-2025 HRIDD ROADMAPS

1. YOUNG INNOVATORS PROGRAM (YIP) ROADMAP

2. INSTITUTION DEVELOPMENT PROGRAM (IDP) ROADMAP

3. BALIK SCIENTIST PROGRAM (BSP) ROADMAP

4. HRIDD REGIONAL CONSORTIA ROADMAP

5. HUMAN RESOURCE DEVELOPMENT PROGRAM (HRDP) ROADMAP

6. HRIDD GODDESS PROGRAM ROADMAP

# POLICY DEVELOPMENT AND ADVOCACY

## Overall Strategies

**Human Resource (HRDP)**
- Support R&D initiatives of young researchers from proposal writing up to project implementation

**R&D Technologies**
- Potential application for IP and protection of technology outputs
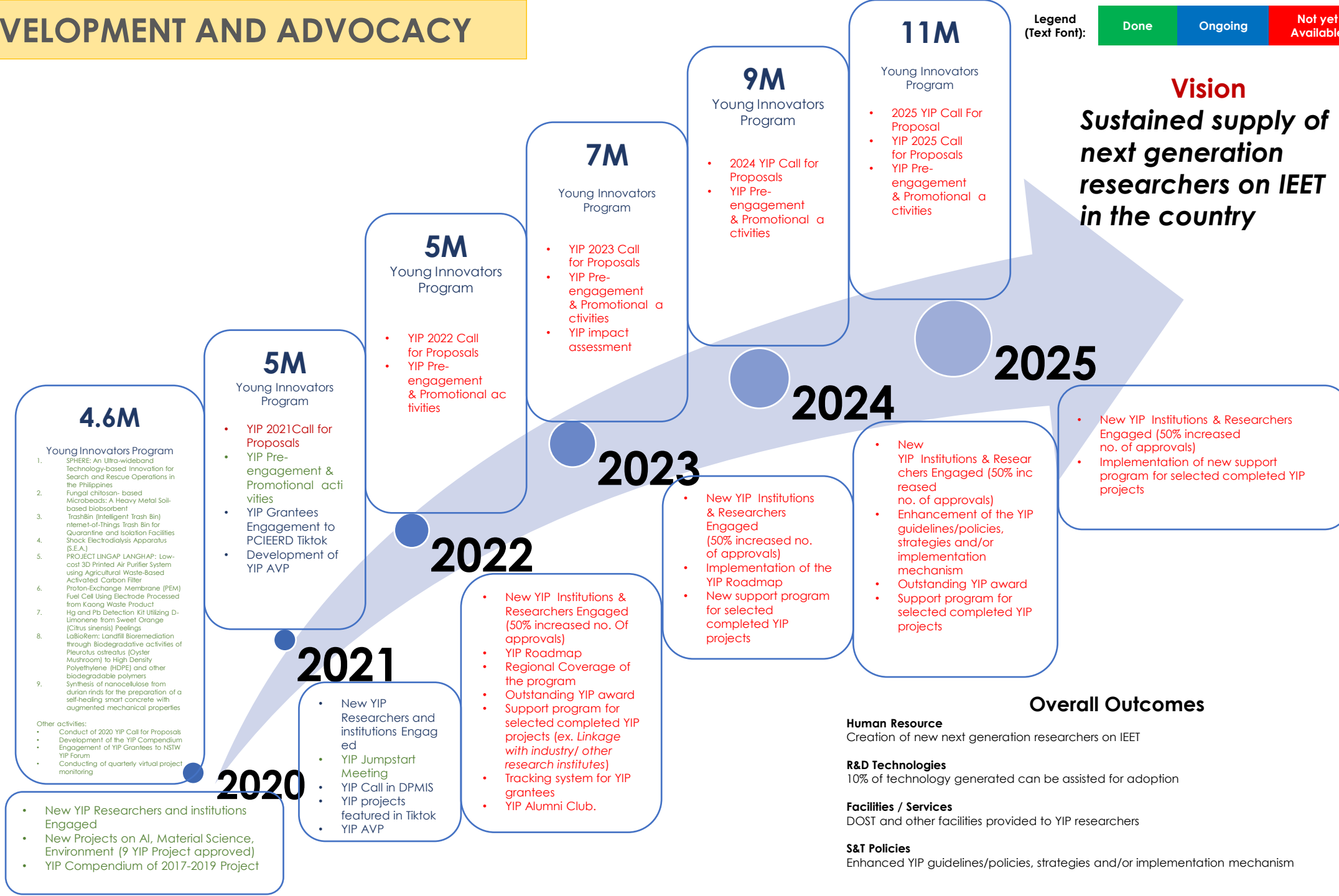
**Facilities / Services (IDP)**
- Mechanism for easy access to DOST facilities, services, and experts for YIP Researchers

**S&T Policies**
- Harmonized R & D proposal submission and evaluation with PCIEERD and DOST DPMIS
- Revision of YIP Guidelines
- Development of incentive programs for outstanding researchers
- Conduct of Impact Assessment

**Vision**
*Sustained supply of next generation researchers on IEET in the country*

### 11M
Young Innovators Program
- 2025 YIP Call For Proposal
- YIP 2025 Call for Proposals
- YIP Pre-engagement & Promotional activities

### 9M
Young Innovators Program
- 2024 YIP Call for Proposals
- YIP Pre-engagement & Promotional activities

### 7M
Young Innovators Program
- YIP 2023 Call for Proposals
- YIP Pre-engagement & Promotional activities
- YIP impact assessment

### 5M
Young Innovators Program
- YIP 2022 Call for Proposals
- YIP Pre-engagement & Promotional activities

### 5M
Young Innovators Program
- YIP 2021 Call for Proposals
- YIP Pre-engagement & Promotional activities
- YIP Grantees Engagement to PCIEERD Tiktok
- Development of YIP AVP

### 4.6M
Young Innovators Program
1. SPHERE: An Ultra-wideband Technology-based Innovation for Search and Rescue Operations in the Philippines
2. Fungal chitosan- based Microbeads: A Heavy Metal Soil-based biobsorbent
3. TrashBin (Intelligent Trash Bin) nternet-of-Things Trash Bin for Quarantine and Isolation Facilities Shock Electrodialysis Apparatus (S.E.A.)
4. Shock Electrodialysis Apparatus (S.E.A.)
5. PROJECT LINGAP LANGHAP: Low-cost 3D Printed Air Purifier System using Agricultural Waste-Based Activated Carbon Filter
6. Proton-Exchange Membrane (PEM) Fuel Cell Using Electrode Processed from Kaong Waste Product
7. Hg and Pb Detection Kit Utilizing D-Limonene from Sweet Orange (Citrus sinensis) Peelings
8. LaBioRem: Landfill Bioremediation through Biodegradative activities of Pleurotus ostreatus (Oyster Mushroom) to High Density Polyethylene (HDPE) and other biodegradable polymers
9. Synthesis of nanocellulose from durian rinds for the preparation of a self-healing smart concrete with augmented mechanical properties

Other activities:
- Conduct of 2020 YIP Call for Proposals
- Development of the YIP Compendium
- Engagement of YIP Grantees to NSTW YIP Forum
- Conducting of quarterly virtual project monitoring

### 2025
- New YIP Institutions & Researchers Engaged (50% increased no. of approvals)
- Implementation of new support program for selected completed YIP projects

### 2024
- New YIP Institutions & Researchers Engaged (50% increased no. of approvals)
- Enhancement of the YIP guidelines/policies, strategies and/or implementation mechanism
- Outstanding YIP award
- Support program for selected completed YIP projects

### 2023
- New YIP Institutions & Researchers Engaged (50% increased no. of approvals)
- Implementation of the YIP Roadmap
- New support program for selected completed YIP projects

### 2022
- New YIP Institutions & Researchers Engaged (50% increased no. Of approvals)
- YIP Roadmap
- Regional Coverage of the program
- Outstanding YIP award
- Support program for selected completed YIP projects (ex. *Linkage with industry/ other research institutes*)
- Tracking system for YIP grantees
- YIP Alumni Club.

### 2021
- New YIP Researchers and institutions Engaged
- YIP Jumpstart Meeting
- YIP Call in DPMIS
- YIP projects featured in Tiktok
- YIP AVP

### 2020
- New YIP Researchers and institutions Engaged
- New Projects on AI, Material Science, Environment (9 YIP Project approved)
- YIP Compendium of 2017-2019 Project

## Overall Outcomes

**Human Resource**
Creation of new next generation researchers on IEET

**R&D Technologies**
10% of technology generated can be assisted for adoption

**Facilities / Services**
DOST and other facilities provided to YIP researchers

**S&T Policies**
Enhanced YIP guidelines/policies, strategies and/or implementation mechanism

# POLICY DEVELOPMENT AND ADVOCACY

## Overall Strategies

**Human Resource**
- Development of core competencies in policy formulation
- Provide training on policy development both for researchers and program/project managers
  - Policy Analysis
  - Policy Brief/Policy Notes
  - White Paper
  - Guidelines and Policy framework

**R&D Technologies**
- Development of R&D plans/Agenda
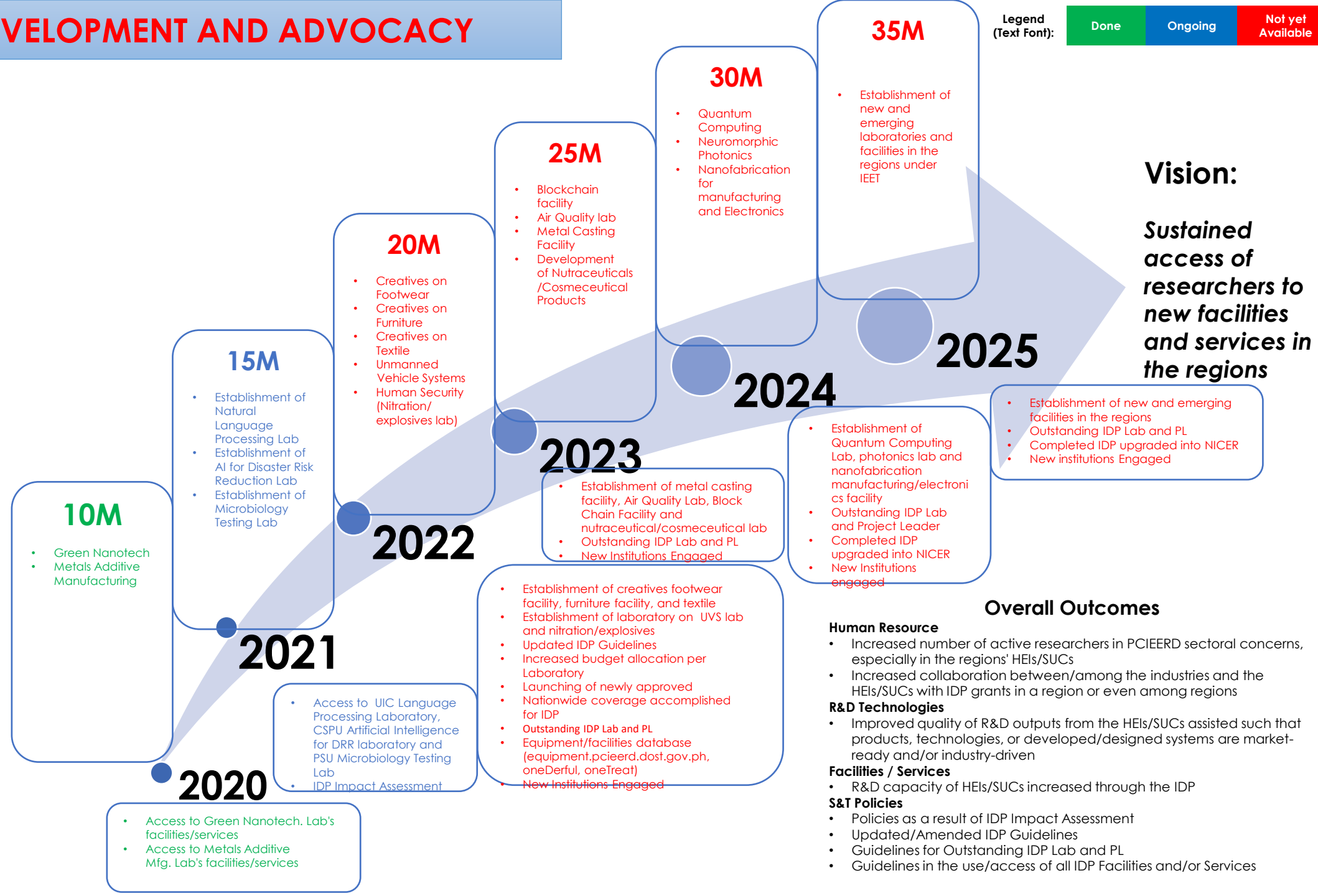- Setting R&D priorities

- **Facilities / Services**
- Establishment/upgrading of the various laboratories/facilities of HEIs/SUCs that have R&D framework aligned to PICEERD Sectoral Concerns
  - Natural Language Processing Lab
  - AI for Disaster Lab
  - Microbiology Testing Lab

**S&T Policies**
- Development of policy framework
- Updating/amendment of S&T related guidelines
- enabling policies and S&T based national legislation

### 35M
- Establishment of new and emerging laboratories and facilities in the regions under IEET

### 30M
- Quantum Computing
- Neuromorphic Photonics
- Nanofabrication for manufacturing and Electronics

### 25M
- Blockchain facility
- Air Quality lab
- Metal Casting Facility
- Development of Nutraceuticals/Cosmeceutical Products

### 20M
- Creatives on Footwear
- Creatives on Furniture
- Creatives on Textile
- Unmanned Vehicle Systems
- Human Security (Nitration/explosives lab)

### 15M
- Establishment of Natural Language Processing Lab
- Establishment of AI for Disaster Risk Reduction Lab
- Establishment of Microbiology Testing Lab

### 10M
- Green Nanotech
- Metals Additive Manufacturing

**Vision:**

*Sustained access of researchers to new facilities and services in the regions*

## 2025
- Establishment of new and emerging facilities in the regions
- Outstanding IDP Lab and PL
- Completed IDP upgraded into NICER
- New institutions Engaged

## 2024
- Establishment of Quantum Computing Lab, photonics lab and nanofabrication manufacturing/electronics facility
- Outstanding IDP Lab and Project Leader
- Completed IDP upgraded into NICER
- New Institutions ongaged

## 2023
- Establishment of metal casting facility, Air Quality Lab, Block Chain Facility and nutraceutical/cosmeceutical lab
- Outstanding IDP Lab and PL
- New Institutions Engaged

- Establishment of creatives footwear facility, furniture facility, and textile
- Establishment of laboratory on UVS lab and nitration/explosives
- Updated IDP Guidelines
- Increased budget allocation per Laboratory
- Launching of newly approved
- Nationwide coverage accomplished for IDP
- **Outstanding IDP Lab and PL**
- Equipment/facilities database (equipment.pcieerd.dost.gov.ph, oneDerful, oneTreat)
- New Institutions Engaged

## 2022

## 2021
- Access to UIC Language Processing Laboratory, CSPU Artificial Intelligence for DRR laboratory and PSU Microbiology Testing Lab
- IDP Impact Assessment

## 2020
- Access to Green Nanotech. Lab's facilities/services
- Access to Metals Additive Mfg. Lab's facilities/services

## Overall Outcomes

**Human Resource**
- Increased number of active researchers in PCIEERD sectoral concerns, especially in the regions' HEIs/SUCs
- Increased collaboration between/among the industries and the HEIs/SUCs with IDP grants in a region or even among regions

**R&D Technologies**
- Improved quality of R&D outputs from the HEIs/SUCs assisted such that products, technologies, or developed/designed systems are market-ready and/or industry-driven

**Facilities / Services**
- R&D capacity of HEIs/SUCs increased through the IDP

**S&T Policies**
- Policies as a result of IDP Impact Assessment
- Updated/Amended IDP Guidelines
- Guidelines for Outstanding IDP Lab and PL
- Guidelines in the use/access of all IDP Facilities and/or Services

# Balik Scientist Program (BSP) Roadmap

## Overall Strategies

**Human Resource**
- Promotional activities to encourage Filipino scientists to serve and give back to the Philippines and share their knowledge and expertise
- Technical training of Host Institutions and R & D personnel on new technologies and techniques to accelerate their R & D
- Engagement of Balik Scientists to various PCIEERD and BSP events
- Engagement of Balik Scientist on PCIEERD Tiktok
- Intensive promotion and pre-engagement activities with potential Host Institutions and Balik Scientist
- Engagement of repatriated BS as program supervisor for PCIEERD's R&D roadmap
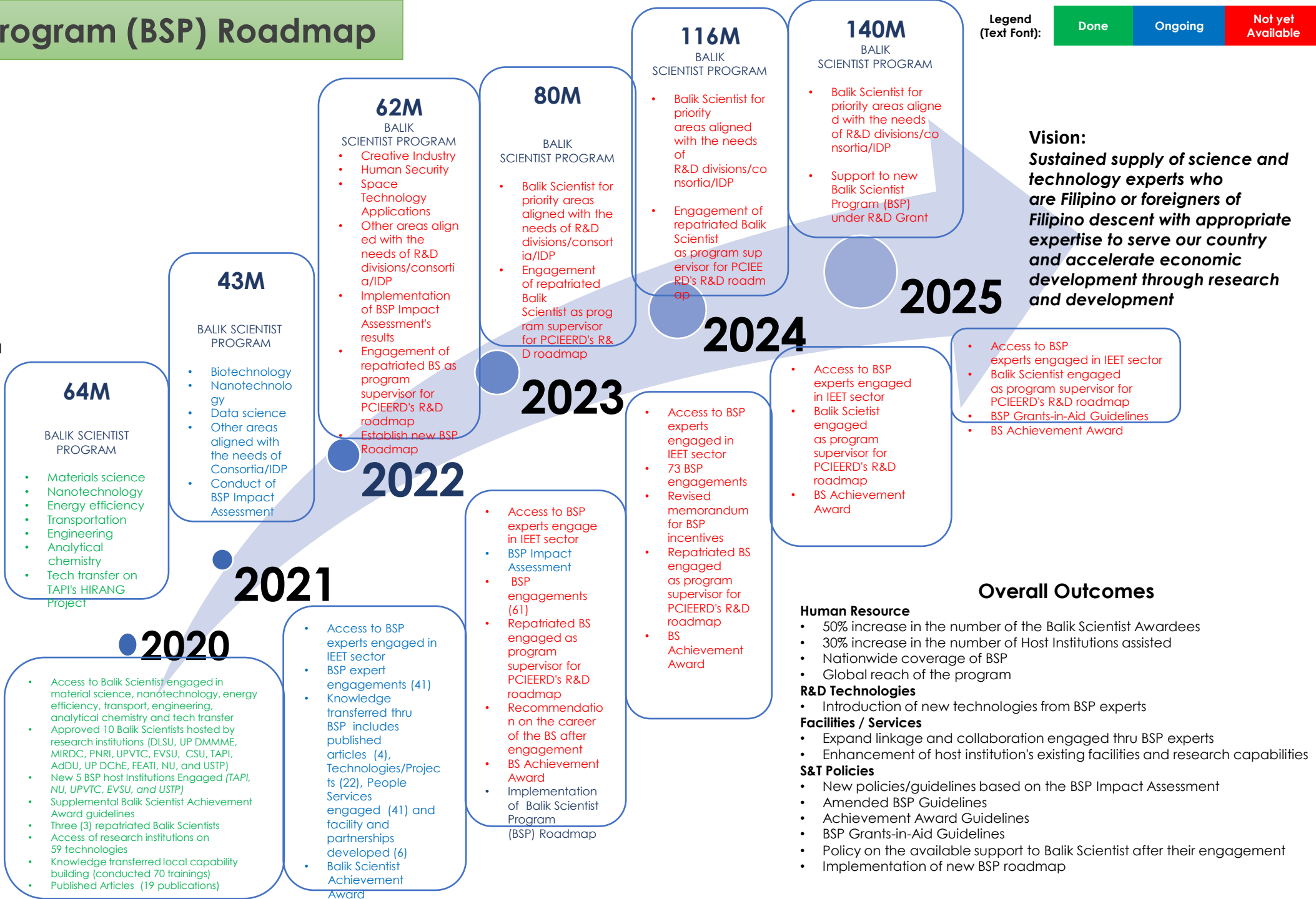
**R&D Technologies**
- Submission of R & D project/program proposal to DOST or other funding institutions
- Availability of new technologies in the R & D Institutions that can be applied for technology transfer
- Development of program for BSP R&D Grant

**Facilities / Services**
- Strengthening of the research capabilities of the host institutions through submission of IDP project proposal for possible funding

**S&T Policies**
- Conduct of BSP Impact Assessment
- Revisit the BSP entitlements and incentives
- Amendment of the guidelines
- Development of the supplemental guidelines and Achievement Award guidelines
- Development of program for BSP R&D Grant
- Support to new programs for Balik Scientist after their host

### 2020 — 64M BALIK SCIENTIST PROGRAM
- Materials science
- Nanotechnology
- Energy efficiency
- Transportation
- Engineering
- Analytical chemistry
- Tech transfer on TAPI's HIRANG Project

**2020**
- Access to Balik Scientist engaged in material science, nanotechnology, energy efficiency, transport, engineering, analytical chemistry and tech transfer
- Approved 10 Balik Scientists hosted by research institutions (DLSU, UP DMMME, MIRDC, PNRI, UPVTC, EVSU, CSU, TAPI, AdDU, UP DChE, FEATI, NU, and USTP)
- New 5 BSP host Institutions Engaged (TAPI, NU, UPVTC, EVSU, and USTP)
- Supplemental Balik Scientist Achievement Award guidelines
- Three (3) repatriated Balik Scientists
- Access of research institutions on 59 technologies
- Knowledge transferred local capability building (conducted 70 trainings)
- Published Articles (19 publications)

### 43M BALIK SCIENTIST PROGRAM
- Biotechnology
- Nanotechnology
- Data science
- Other areas aligned with the needs of Consortia/IDP
- Conduct of BSP Impact Assessment

**2021**
- Access to BSP experts engaged in IEET sector
- BSP expert engagements (41)
- Knowledge transferred thru BSP includes published articles (4), Technologies/Projects (22), People Services engaged (41) and facility and partnerships developed (6)
- Balik Scientist Achievement Award

### 62M BALIK SCIENTIST PROGRAM
- Creative Industry
- Human Security
- Space Technology Applications
- Other areas aligned with the needs of R&D divisions/consortia/IDP
- Implementation of BSP Impact Assessment's results
- Engagement of repatriated BS as program supervisor for PCIEERD's R&D roadmap
- Establish new BSP Roadmap

**2022**
- Access to BSP experts engage in IEET sector
- BSP Impact Assessment
- BSP engagements (61)
- Repatriated BS engaged as program supervisor for PCIEERD's R&D roadmap
- Recommendation on the career of the BS after engagement
- BS Achievement Award
- Implementation of Balik Scientist Program (BSP) Roadmap

### 80M BALIK SCIENTIST PROGRAM
- Balik Scientist for priority areas aligned with the needs of R&D divisions/consortia/IDP
- Engagement of repatriated Balik Scientist as program supervisor for PCIEERD's R&D roadmap

**2023**
- Access to BSP experts engaged in IEET sector
- 73 BSP engagements
- Revised memorandum for BSP incentives
- Repatriated BS engaged as program supervisor for PCIEERD's R&D roadmap
- BS Achievement Award

### 116M BALIK SCIENTIST PROGRAM
- Balik Scientist for priority areas aligned with the needs of R&D divisions/consortia/IDP
- Engagement of repatriated Balik Scientist as program supervisor for PCIEERD's R&D roadmap

**2024**
- Access to BSP experts engaged in IEET sector
- Balik Scietist engaged as program supervisor for PCIEERD's R&D roadmap
- BS Achievement Award

### 140M BALIK SCIENTIST PROGRAM
- Balik Scientist for priority areas aligned with the needs of R&D divisions/consortia/IDP
- Support to new Balik Scientist Program (BSP) under R&D Grant

**2025**
- Access to BSP experts engaged in IEET sector
- Balik Scientist engaged as program supervisor for PCIEERD's R&D roadmap
- BSP Grants-in-Aid Guidelines
- BS Achievement Award

## Vision:
*Sustained supply of science and technology experts who are Filipino or foreigners of Filipino descent with appropriate expertise to serve our country and accelerate economic development through research and development*

## Overall Outcomes

**Human Resource**
- 50% increase in the number of the Balik Scientist Awardees
- 30% increase in the number of Host Institutions assisted
- Nationwide coverage of BSP
- Global reach of the program

**R&D Technologies**
- Introduction of new technologies from BSP experts

**Facilities / Services**
- Expand linkage and collaboration engaged thru BSP experts
- Enhancement of host institution's existing facilities and research capabilities

**S&T Policies**
- New policies/guidelines based on the BSP Impact Assessment
- Amended BSP Guidelines
- Achievement Award Guidelines
- BSP Grants-in-Aid Guidelines
- Policy on the available support to Balik Scientist after their engagement
- Implementation of new BSP roadmap

# HRIDD REGIONAL CONSORTIA ROADMAP

**Human Resources**
- Create new programs to strengthen the collaboration, capacity and expertise in the region
- Conduct of consultation meetings, Focus Group Discussions and pre-engagements meeting
- Capacity Building on project management and expert engagement through trainings, seminars and workshops

**R&D Technologies**
- Open and Directed Call for Regional Research Institutions
- Provide R&D grants for new researchers and institution to increase consortia membership
- Creating New Programs for industry-academe and government collaborations
- Strengthen Promotions and disseminations of consortia projects and funding opportunities

**Facilities/Services**
Increase access of regional researchers availing DOST facilities and services

**S & T Policies**
- Review and Assess the Consortia policies and guidelines
- Alignment to DOST DPMIS submission of proposals/ evaluation
- Implementation of Evaluation Proposal Guidelines

## Vision:
Sustained the new researchers and scientists in the region who are able to conduct research and development activities addressing regional development goals

### 10 M
Regional Consortia Program
- 16 Regional Consortia Revitalized
- Trainings / Capacity Building
- Prioritization of Regional R&D Agenda

**2020**
- Revitalization of Regional Consortia Partners thru the conduct of Proposal writeshops and other capability Trainings
- Identified list of Priority Areas for Regional Consortia

**2021**
- 2021 Call for Proposal – Regional Consortia Program
- Implementation of projects under regional priority areas (Food, Process, ICT, energy)
- implementation of ExperTISE Program
- Consortia Impact assessment on operations and organizational structures and projects supported
- Development of Evaluation Criteria (rubrics)

### 30M
Regional Consortia Program
- Program on Regional Research Institutions (RRI)
- Experts Intervention for Scientific Engagement (ExperTISE)

**2022**
- Conducted 2022 Call for Proposal – Regional Consortia Program
- Implemented the ExperTISE Program
- Developed Researchers Tracking system
- Conducted Consortia Impact assessment
- Generated R&D Outputs from Regional Research Institutions Grants

### 30M
Regional Consortia Program
- Program on Regional Research Institutions (RRI)
- Program on Experts Intervention for Scientific Engagement (ExperTISE)
- Project Management Program

**2023**
- Conducted 2023 Call for Proposal – Regional Consortia
- Industries engage in the ExperTISE Program
- Implemented results of Consortia Impact assessment
- Generated R&D Outputs from Regional Research Institutions Grants
- Conducted consultation meetings on the list of New R & D Agenda for the Regions

### 40M
Regional Consortia Program
- Program on Regional Research Institutions (RRI)
- Experts Intervention for Scientific Engagement (ExperTISE)
- Project Management Program

**2024**
- Conducted 2024 Call for Proposal – Regional Consortia Program
- Industries engaged in the ExperTISE Program
- Generated R&D Outputs from Regional Research Institutions Grants
- Consultations for R & D Agenda
- Identified List of New Regional R & D Agenda

### 40M
Regional Consortia Program
- Program on Regional Research Institutions (RRI)
- Experts Intervention for Scientific Engagement (ExperTISE)
- Project Management Program

### 40M
Regional Consortia Program
- Program on Regional Research Institutions (RRI)
- Experts Intervention for Scientific Engagement (ExperTISE)
- Project Management Program

**2025**
- Conducted 2025 Call for Proposal – Regional Consortia Program
- Industries engaged in the ExperTISE Program
- Generated R&D Outputs from Regional Research Institutions Grants
- Implementation of new list of R & D Agenda for the Consortia

## Overall Outcomes

**Human Resource (HRDP)**
- Engagement of industry, academe and government agencies
- Increase in the engagement of New Researchers and Institution in the region
- Increase engagement with industry collaborations in the region
- Enhanced faculty researcher's capability on S&T
- Enhanced partnership collaborations thru R&D Initiatives

**R&D Technologies**
- Increase number of approved R & D of projects and programs
- Increased number of approved R & D projects with industry collaborations
- Increased new R & D researchers and institutions

**Facilities/Services**
Increased number of researchers availing DOST facilities and services

**S & T Policies**
Enhanced Policies & Guidelines of Consortia

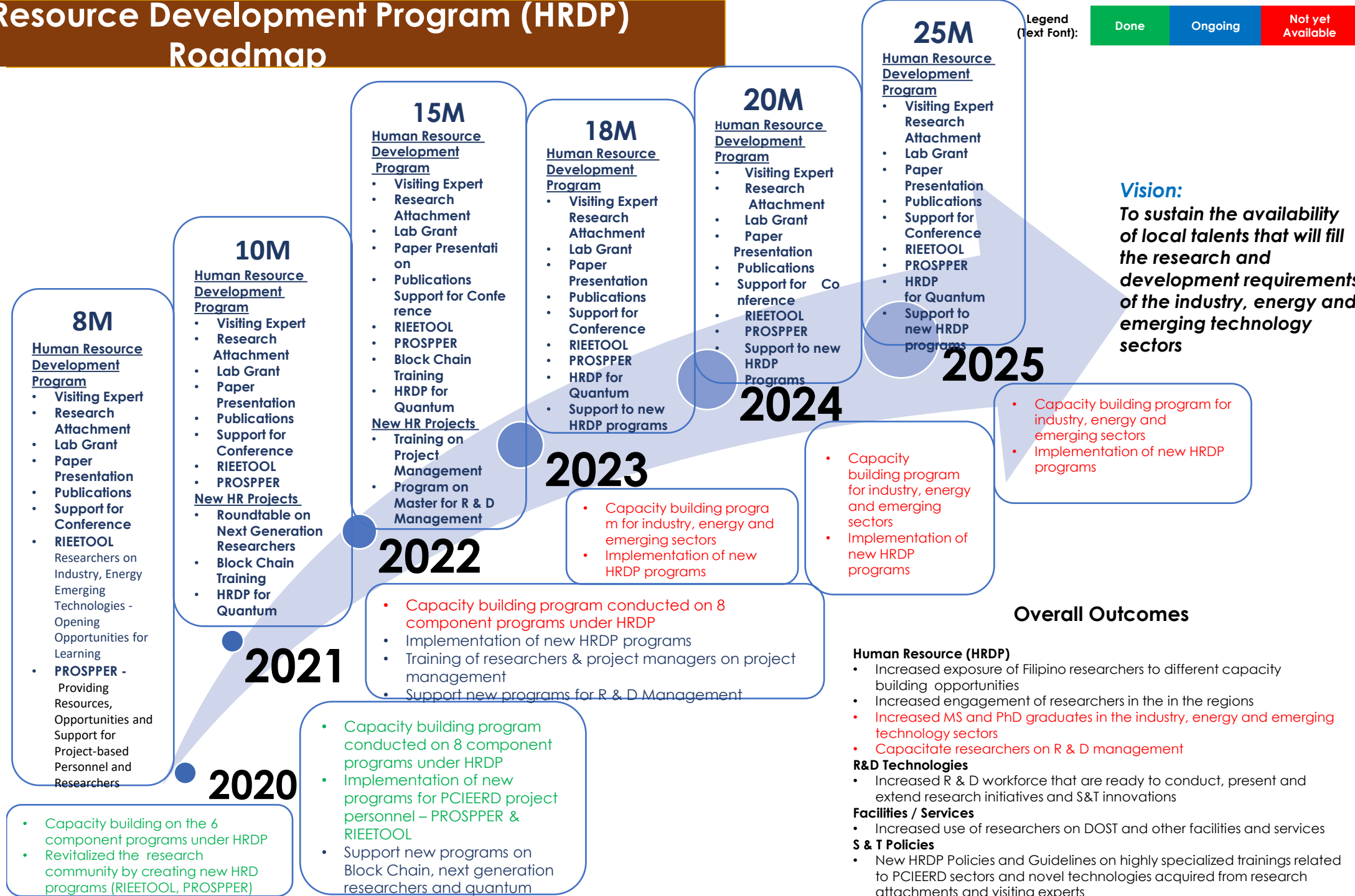# Human Resource Development Program (HRDP) Roadmap

## Overall Strategies

**Human Resource**
- Engagement/pre-engagement of potential/interested HRDP proponents/researchers prior to Call For Proposals (CFPs)
- Sustained support in highly specialized training to increase number of personnel equipped with highly specialized skills

**R&D Technologies**
- Increased exposure of R & D grantees in novel fields especially abroad that will eventually be translated to applied R&D proposals

- **Facilities / Services**
- Strengthen the promotion of HRDP grants
- Increased engagement and grants to aid component programs that have a significant exposure and experience to novel and gam-changing fields along with increased end expanded papers, presentations, services that will be useful nationwide

**S&T Policies**
- Development of guidelines to increase entitlements and benefits for the pool of researchers and personnel

### 8M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL** Researchers on Industry, Energy Emerging Technologies - Opening Opportunities for Learning
- **PROSPPER -** Providing Resources, Opportunities and Support for Project-based Personnel and Researchers

### 10M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL**
- **PROSPPER**

**New HR Projects**
- **Roundtable on Next Generation Researchers**
- **Block Chain Training**
- **HRDP for Quantum**

### 15M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL**
- **PROSPPER**
- **Block Chain Training**
- **HRDP for Quantum**

**New HR Projects**
- **Training on Project Management**
- **Program on Master for R & D Management**

### 18M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL**
- **PROSPPER**
- **HRDP for Quantum**
- **Support to new HRDP programs**

### 20M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL**
- **PROSPPER**
- **Support to new HRDP Programs**

### 25M
**Human Resource Development Program**
- **Visiting Expert**
- **Research Attachment**
- **Lab Grant**
- **Paper Presentation**
- **Publications**
- **Support for Conference**
- **RIEETOOL**
- **PROSPPER**
- **HRDP for Quantum**
- **Support to new HRDP programs**

*Vision:*
*To sustain the availability of local talents that will fill the research and development requirements of the industry, energy and emerging technology sectors*

**2020**
- Capacity building on the 6 component programs under HRDP
- Revitalized the research community by creating new HRD programs (RIEETOOL, PROSPPER)

**2021**
- Capacity building program conducted on 8 component programs under HRDP
- Implementation of new programs for PCIEERD project personnel – PROSPPER & RIEETOOL
- Support new programs on Block Chain, next generation researchers and quantum

**2022**
- Capacity building program conducted on 8 component programs under HRDP
- Implementation of new HRDP programs
- Training of researchers & project managers on project management
- Support new programs for R & D Management

**2023**
- Capacity building program for industry, energy and emerging sectors
- Implementation of new HRDP programs

**2024**
- Capacity building program for industry, energy and emerging sectors
- Implementation of new HRDP programs

**2025**
- Capacity building program for industry, energy and emerging sectors
- Implementation of new HRDP programs

## Overall Outcomes

**Human Resource (HRDP)**
- Increased exposure of Filipino researchers to different capacity building opportunities
- Increased engagement of researchers in the in the regions
- Increased MS and PhD graduates in the industry, energy and emerging technology sectors
- Capacitate researchers on R & D management

**R&D Technologies**
- Increased R & D workforce that are ready to conduct, present and extend research initiatives and S&T innovations

**Facilities / Services**
- Increased use of researchers on DOST and other facilities and services

**S & T Policies**
- New HRDP Policies and Guidelines on highly specialized trainings related to PCIEERD sectors and novel technologies acquired from research attachments and visiting experts

# Good Governance through Data Science and Decision Support System (GODDESS) Roadmap

## Overall Strategies

**Human Resource**
- Engagement/pre-engagement of potential/interested proponents/researchers with background in Data Science and Analytics prior to Call For Proposals (CFPs)
- Strengthen promotions of Data Science and Analytics researches and projects to NGAs and LGUs that can be a potential end user of data-driven management systems
- To expand GODDESS projects throughout the regional level
- Forged partnerships with the identified NGAs & LGUs

**R&D Technologies**
- Increased exposure of R & D grantees in novel fields especially abroad that will eventually be translated to applied R&D proposals

**Facilities / Services**
- To promote current and upcoming data-driven support systems and solutions that are ready for adoption of various beneficiaries.

**S&T Policies**
- Development of guidelines to refocus the program to accommodate and address real world gaps

### 10M
**GODDESS Program**
- SPARTA Program
- Development of Data Analytics and Information System: Support on Social Welfare Services for Senior Citizens of Butuan City
- PhilRice Data Analytics Initiative
- Development of Iloilo Province Employment Portal and Services (IPEPS) with Data Analytics
- Optimization of Decision Support System for Effective e-Governance (ODeSSEE) on Preemptive Evacuation for Flood Disaster amidst Covid-19 in Cagayan Valley
- Hundred Islands National Park Management System: Implementation of Smart Tourism
- Pangasinan State University (PSU) with Project Leader: Mr. Paul Andrew V. Roa
- Prescriptive Navigation through Vision-based Traffic Monitoring for City of San Fernando, La Union
- Dagupan City Smart Garbage Collection & Monitoring System
- Development of Urdaneta City Market Tariff Information System

### 15M
**GODDESS Program**
- New capstone projects on Traffic, Garbage system, Tariff collection, National park e-governance on pre-emptive evaluation, smart tourism system

### 25M
**GODDESS Program**
- Deployment of developed system to LGUs and NGAs
- New Capstone projects

### 25M
**GODDESS 2 – (Program for NGAs & LGUs)**
Program on Data Science and Analytics focused on the following agencies:
- DOJ
- DAR
- COA
- DAP
- Procurement

### 25M
**GODDESS 2 – (Program for NGAs & LGUs)**
- Program on Data Science & Analytics for other NGAs & LGUs

### 25.5M
**GODDESS 2 – (Program for NGAs & LGUs)**
- Program on Data Science & Analytics for other NGAs & LGUs

## Timeline

**2020**
- Supported projects on data analytics such as Senior Citizen welfare services (FSUU), PhilRice, OCD Region 2, Iloilo LGU
- Capstone projects from Learning-at-scale and SPARTA learners

**2021**
- Implementation of Capstone projects on Traffic monitoring system, Garbage system, Tariff collection, e-governance on pre-emptive evaluation, smart tourism system
- New institutions and partnerships with LGUs and NGAs

**2022**
- Deployment of generated beta-version systems ready for deployment
- Impelementation of new Capstone projects

**2023**
- Support to new program on GODDESS phase 2
- Forged partnerships with the other National government agencies (NGAs) & other LGUs

**2024**
- Implementation of GODDESS phase 2
- New partnerships with the other National government agencies (NGAs) & other LGUs

**2025**
- Implementation of GODDESS Phase 2

## Vision
**Mainstream the use of data science and analytics in local and national government units and agencies.**

## Overall Outcomes
- **Human Resource (HRDP)**
  - Increased exposure and training of Filipino researchers that can be agents for data analytics projects for LGUs & NGAs.
  - Increase academe-partnership in LGUs
- **R&D Technologies**
  - Increase generation of R & D project proposals related to data science and analytics.
- **Facilities / Services (IDP)**
  - Increased data analytics system adoptable to the needs of partners
- **S&T Policies**
  - Improved policies on academic linkages in the Regions, Industries, LGUs, LGA as target partners in terms of data science and analytics solutions.