



Davao
Regional Development
Research Agenda, 2017-2022

Committing to Sustain Change

Introduction

The Davao Regional Development Plan (DRDP), 2017-2022 includes a component on the Region's priority research agenda which supports particular Chapters of the Plan. Fifteen (15) of the 21 Plan chapters contain priority research agenda and topics.

The priority research agenda contained in this document were culled out and compiled into the Davao Regional Development Research Agenda (DRDRA), 2017-2022 purposely to highlight the priority research agenda of the DRDP, 2017-2022 and facilitate easy access for R&D institutions and researchers.

The DRDRA is intended to support the research requirements of the DRDP, 2017-2022 and guide regional research investments until 2022. It is, thus, anchored on the goals and objectives of the DRDP on the achievement of inclusive growth, a high trust and resilient society, and globally-competitive knowledge economy through enhancing the moral and social fabric, inequality-reducing transformation and increasing growth potentials.

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PRIORITY RESEARCH AGENDA AND TOPICS

*Enhancing the Moral
and Social Fabric
("Malasakit")*

Chapter 5:

Ensuring People-Centered, Clean and Efficient Governance

In order to restore trust in public institutions it is imperative that a high sense of duty be cultivated among duty bearers for them to become responsive in rendering public service to the people. This shall be achieved through an efficient and effective delivery of entitlements that would respond to claim holders' requirements. Restoring integrity in public institutions and trust in public officials shall be achieved through zero tolerance for graft and corrupt practices and adherence to anti-graft and corruption measures.

Priority Research Agenda
1. Study on the impact of the local government code/decentralization policy on local development
2. LGUs' financial management practices/strategies in identifying allocation priorities
3. Effectiveness of the <i>Anti-Red Tape Act</i>
4. Impact of governance structure on corruption
5. Sustainability of tax collection even in the aftermath of disasters

Chapter 6:

Pursuing Swift and Fair Administration of Justice

The pursuit of swift and fair administration of justice, especially for the poor and marginalized, is essential in rekindling the public's trust in its institutions. Development requires a justice and legal institutional system that is accessible, equitable, and prompt.

Priority Research Agenda
1. Study on the impact of the Alternative Dispute Resolution mechanism on case decongestion.
2. Study/Problem Analysis to determine bottlenecks in case management in courts and prosecution
3. Study on the impact of ICT systems to administration of justice
4. Study on how to modernize the criminal justice system
5. Predictors of Adaptation to Jail Management and Penology Roles among the Personnel of BJMP Region XI
6. Predictors of Adaptation to imprisonment among male inmates of Region XI

Chapter 7:

Promoting Philippine Culture and Values

From the point of view of the government, the focus on cultural diversity is on the acceptance and respect of the uniqueness of all groups and their primary need for growth and development. The Regional Development Plan (RDP), 2017-2022 give importance to building better relations among people for social cohesion and more and better interactions among members of a society where different culture thrive and flourish.

The following priority research agenda have been identified to address these key challenges:

Priority Research Agenda
1. Mapping of Cultural Resources
2. Baseline survey on demographic characteristics of IPs & Muslims
3. Assessment of existing policies, laws, guidelines on IPs and Muslims in terms of their responsiveness to indigenous knowledge systems and practices (IKSPs)
4. Creation of a Unified Cultural Statistics Database (Cultural contribution to GRDP, production, employment, household expenditures, education, etc.) disaggregated by gender and by province, among others
5. Expansion of Shariah Court in Region XI
6. Creation of IP Research Center

*Inequality-Reducing
Transformation
("Pagbabago")*

Chapter 8:

Expanding Economic Opportunities in Agriculture, Forestry and Fisheries

Consistent with the Duterte Administration's thrust of pursuing agricultural development, Davao Region shall strive to achieve significant growth in the agriculture, forestry and fisheries sector. It shall also ensure that this redounds to the improvement of income and a better quality of life for the region's farmers and fisherfolk. Along this line, Davao Region shall promote value-chain development, improve competitiveness/quality of products and consequently, harness export market opportunities.

Priority Research Agenda
1. Development, testing and evaluation of new and improved farming technologies
2. Science and Technology-based production and processing systems
3. Pesticide and antibiotic residue testing and evaluation
4. Economic valuation of pollution of rivers from mine tailings
5. Determine impacts of river pollution on irrigated rice lands
6. Conduct market research to determine market-driven agricultural products for the production/development of a particular industry

Priority Research Agenda

7. Strengthen mitigating measures on the climate change impact on agri-fisheries sector

8. Organic technology results on agriculture and fisheries production

Expanding Economic Opportunities in Industry and Services

In line with the National Government's development agenda of increasing competitiveness and the ease of doing business, as well as, increasing agricultural and rural enterprise productivity, the Region shall strive to facilitate the rapid increase of its industry sector. It shall, thus, address its binding constraints in terms of competitiveness, particularly in the areas of infrastructure and logistics, research and development and technology adoption, skilling in the human resource base, and its overall governance.

Priority Research Agenda
1. Impact/Benefits of Foreign Trade Agreements (FTAs) entered into by the Philippines to Davao Region's Micro, Small and Medium Enterprises (MSMEs)
2. Review/Study on existing and potential financial packages SMEs
3. Proliferation of gold smuggling in Davao Region
4. Inventory of illegal small-scale mining operations
5. Absorptive capacity of Davao Region for extractive industries

Priority Research Agenda

6. Competitive edge of Davao Region vis-à-vis other regions in terms of tourism

7. Market preference on Eco-Tourism sites of Davao Region

8. ICT Industry Mapping and Monitoring

Chapter 10:

Accelerating Human Capital Development

Human development is considered both an end itself and a means to an end. As an end in itself, human development focuses on improving lives as a fundamental right of individuals. As a means to an end, human capital development serves as stepping stone for socioeconomic progress. Health and education provide its bearers with greater chances for a better life.

Priority Research Agenda
<i>Health:</i>
1. Responsiveness of government policies in curbing maternal deaths: The case of Davao Region
2. Exploring factors on the prevalence of teenage pregnancy in Davao Region
3. E-health strategies and innovations: challenges and opportunities in Davao Region
4. Mapping of infectious diseases in Davao Region based on geographical and seasonal factors
5. Effects of climate change on the health and well-being of the population

Priority Research Agenda

Education:

6. Impact of government policies on the quality of education in Davao Region

7. Assessment of basic education curriculum

8. Comparative assessment of achievements in basic education among private and public schools in Davao Region

9. Study on the access and challenges of indigenous people's education and Madrasah education program

10. Industry profiling of competencies/skills requirements

11. Alignment of the curriculum with the ASEAN Economic Community (Regional/Global/Mutual Recognition Agreements)

12. Ex-Post Evaluation on the Mindanao Cancer Center and its Radiotherapy Services

Job Generation:

12. Industry profiling of competencies/skills requirements

Chapter 11:

Reducing Vulnerability of Individuals and Families

It is necessary to change the way consequences of disasters are addressed to reduce the underlying causes of vulnerabilities and enhance the preparedness and resilience of people and communities. While, traditionally, people were assisted to withstand the consequences of disaster, a new approach of doing things should now be undertaken. This involve investing more in building the capacities of individuals and communities to reduce their vulnerability and to adapt to existing and emerging risks in normal times so that they can bounce back from crises.

Priority Research Agenda
1. Situation of the children of rebels
2. Situation of children-in-conflict with the law
3. Protection issues of the disadvantaged and vulnerable sectors in times of calamities and emergencies
4. Assessment of protection programs for abandoned families
5. A phenomenological study of lived experiences of children of migrant workers
6. Impact of OFW remittances on regional development
7. Assessment on LGU fund allocation and utilization for disadvantaged sectors

Priority Research Agenda

- | |
|--|
| 8. Impact of PPP on Strengthening LSWDO Programs |
| 9. Detailed study on the impact of the agrarian reform program |
| 10. Evaluation of programs and services for CICL/CNSP/WEDC (residential-based and community-based) |
| 11. Impact Evaluation on Set 1 Program Areas/Beneficiaries of the PantawidPamilyang Pilipino Program (4Ps) in Davao Region |

Chapter 12:

Building Safe and Secure Communities

Everyone has a fundamental human right to housing, which ensures access to a safe, secure, habitable, and affordable home with freedom from forced eviction. As part of building socioeconomic resilience, the Davao Regional Development Plan (DRDP), 2017-2022, provides a framework on “matatag, maginhawa at panatagnabuhay”, which means strongly rooted, comfortable and secure communities for Filipino people, particularly the marginalized sectors.

Priority Research Agenda
1. Assessment on the implementation of Local Shelter Plans of LGUs
2. Factors contributing to the affordability of socialized housing packages
3. Efficiency in the slum upgrading program of LGUs
4. Designing climate proof housing for different types of disasters

*Increasing Growth
Potential
("Patuloy na Pag-unlad")*

Chapter 13:

Reaching for the Demographic Dividend

Demographic dividend stems from demographic transition when fertility (birth) and mortality (death) rates decline such that the age distribution changes to an extent that lesser spending is required to meet the needs of the youngest and oldest age groups. This allows the freeing of resources for investment in economic development and family welfare. By crafting the right policies, government can harness the demographic development of the future to improve the well-being of its people.

Priority Research Agenda
1. Combating sexually transmitted infections and other gynaecological diseases
2. Promoting sexual health
3. Reproductive health of people with physical and mental disabilities
4. Study on the determinants of teen-age pregnancy in Davao Region
5. Providing high-quality family planning (FP) services, including infertility services

Chapter 14:

Vigorously Advancing Science, Technology and Innovation

Science, technology and innovation have been considered key driver to economic growth being a major support to the agriculture and fishery sector, as well as to the industry and services sector. It is relied upon to boost productivity through new value-adding technologies for efficiency, as well as, develop capacities to help the productive sectors compete in a knowledge-based global economy. The resulting productive practices generate better paying jobs and raise living standards, ultimately contributing to the reduction of poverty.

Priority Research Agenda
1. Effects of the K-12 STEM curriculum to the NAT results on science and mathematics
2. Impact assessment on the implementation of the Magna Carta for scientists/R&D practitioners
3. Effectiveness of the S&T Academic and Research-based Open Operated Kiosk Station in the promotion of R&D among students
4. Innovation survey among SMEs

Priority Research Agenda

5. Effectiveness of extension workers in the adoption of new technologies by farmers and fisherfolks
12. Compliance of the Region's R&D infrastructures (laboratories) with international trading, production and manufacturing standards, and with those of the ASEAN Economic Community (AEC)

*Enabling and Supportive Economic
Environment*

Chapter 15:

Ensuring Sound Macroeconomic Policy

Knowing the behaviour of the regional economy is important for assessing how it affects other vital sectors that provides macroeconomic stability. It looks into how employment, labor productivity, exports and investments affect the absorptive capacity of the regional economy to achieve sustained high economic growth in order to lay the foundation for inclusive growth and a high-trust society. Also, it examines the fiscal and monetary sectors that provide a stable environment conducive for investments and ensures price stability that supports growth and improve access to economic opportunities.

Priority Research Agenda
1. Impact of foreign direct investments to family income levels
2. Localization of poverty and GRDP statistics
3. Economic growth drivers
4. Impact of productivity-based incentive schemes on employment generation and productivity levels of workers in Davao Region
5. Agglomeration Model for Mindanao Regions
6. Creation of a Regional Econometric Model (REM) for Gross Regional Domestic Product (GRDP) Target-Setting and Building Scenarios as Aid in Policy Making

*Foundations for
Sustainable Development*

Chapter 17: Attaining Just and Lasting Peace

Establishing an environment of peace that is just and lasting, where poverty and conflict are part of the people's culture is a process imbued with challenges. In the context of Davao Region, the pursuit of peace is a must to bring about inclusive and sustainable development.

Priority Research Agenda
1. Extent of CPP-NPA-NDF (CNN) propaganda and its impact on government machinery/programs
2. Vulnerable sectors in geographically-isolated and disadvantaged areas (GIDAs)
3. Problems encountered in the implementation of Republic Act (RA) 8371 or the Indigenous Peoples Rights Act (IPRA) Law
4. The impact of RA 8371 on socio-economic development projects
5. Impact of convergence efforts in the attainment of peace and development in GIDAs
6. Assessment of culture of peace integration in the school curriculum
7. Impact of the Peace and Development Outreach Program of the Armed Forces of the Philippines (AFP) to the economy of Davao Region

DRDP 2017-2022

Chapter 18:

Ensuring Security, Public Order, and Safety

Security is a state of being protected or safe from harm. In Davao Region, ensuring the security and safety of its residents is of utmost priority and importance. Public order shall be maintained to ensure an orderly and organized environment. An orderly, secure and safe environment shall usher inclusive growth as residents will have freedom to pursue socio-economic activities, while investors will be inspired and encouraged to invest, without fear of loss of life or property

Priority Research Agenda

1. Assessment of the effectiveness of the various drug seminars/symposia conducted

Chapter 19:

Accelerating Infrastructure Development

The timely provision of appropriate infrastructure facilities and services promote economic growth, environmental quality and the overall well-being (quality of life) of the people of the region.

Priority Research Agenda
<i>Potable Water Facilities:</i>
1. Conduct of inventory and establishment of database on potential potable water supply sources such as ground water and surface water
2. Study the technical viability of collecting, treating and distributing rainwater for public water systems
<i>Irrigation Facilities:</i>
3. Conduct of field research to identify strategic areas ideal to construct water impounding projects
<i>Power Facilities:</i>
4. Investment-grade study on potential renewable source of power
<i>Communication, Internet and Broadband Technologies:</i>
5. Policies towards the attainment of a digital nation
6. Public-Private Partnership (PPP) regional expansion in Information Communication Technology (ICT) investment in ASEAN

Priority Research Agenda

7. Regional ICT Governance structure, architecture, standards, inter-operability, sustainability, etc.
8. ICT infrastructure plan for Davao City
9. Potential impacts of ICT integration in all sectors to generate disaggregated poverty and other data
10. Best practices in ICT capability building among LGUs for rural impact sourcing
11. Effectiveness/benefits of ICT innovations among LGUs

Education Facilities:

12. Establish a mapping model to identify efficient school building sites to cater to children in far-flung areas

Health Facilities:

13. Establish a data base on the location of all health facilities (Barangay Health Stations, Rural Health Units, Health Centers) to determine its effectiveness to its service area

Household Energization Rate:

14. Study on the reliability and cost effective provision of power for rural off-grid areas including island communities such as the Island Garden City of Samal, Talicud Island and the Municipality of Sarangani in Davao del Sur
15. Study on the power stabilization for National Power Corporation-Small Power Utilities Group (NPC-SPUG)-managed missionary areas

Priority Research Agenda

Solid Waste and Wastewater Facilities:

16. Integrated solid waste and wastewater facilities for small and medium size municipalities and cities in the Region

Chapter 20

Ensuring Ecological Integrity, Clean and Healthy Environment

Given that the economy and private income are highly dependent on primary resources, the responsible management and utilization of natural capital is essential in meeting future development goals and preventing excessive environmental costs. The major challenge facing Davao Region is how to ensure that the environment and its resources are sustainably managed for the present and future generations.

Priority Research Agenda
1. Greenhouse Gas Inventory
2. Ancestral Domain Sustainable Development and Protection Plan (ADSDPP) implementation assessment
3. Improve/enhance/update air and water quality standards to include new kinds of pesticides
4. Assessment of Natural Resources (soil, water, air, flora, fauna, etc.)
5. Environment and Natural Resources Valuation

IMPLEMENTATION AND MONITORING AND EVALUATION PLAN

Implementation and Monitoring and Evaluation Plan

The Regional Development Council (RDC) XI shall serve as the vehicle for the implementation and monitoring and evaluation of the Davao Regional Development Research Agenda, 2017-2022. The Regional Research, Development and Innovation Committee (RRDIC) XI, a recently created special committee under the RDC XI, shall be responsible in shepherding the priority sectoral research agenda, particularly in tracking the adoption and commercialization of the research studies, as well as their impact to communities and society at large.

In partnership with the Department of Science and Technology XI and the Commission on Higher Education XI, the maximum participation of the research consortia and institutions and the higher education institutions, both public and private, shall be ensured. This partnership hopes to influence the various researchers, including students, to be more purposive in their research undertakings. Collaboration with the NGAs, LGUs, priority industry clusters, business and private sectors shall also be done in pushing for the region's development research agenda.

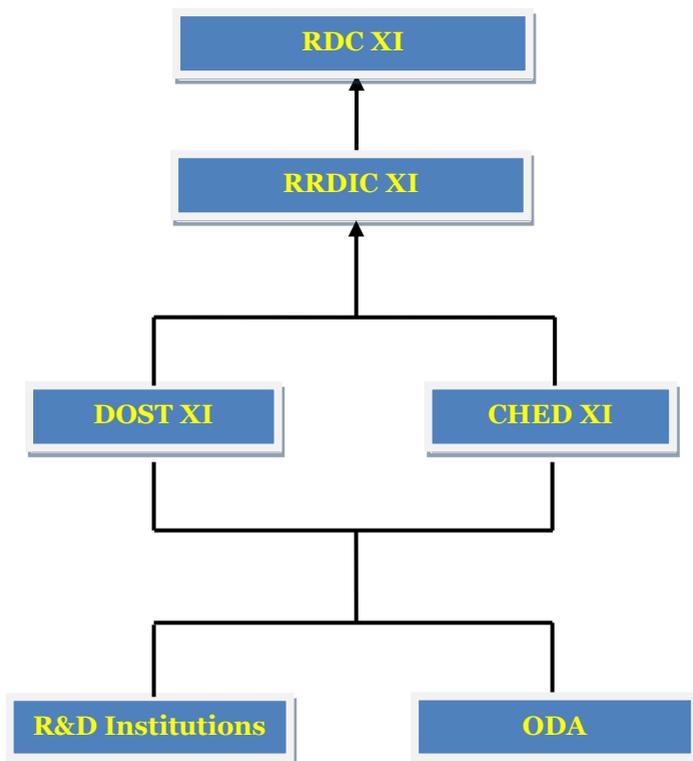
Likewise, linkage with external research consortia, such as the Philippine Council for Agriculture and Aquamarine, Forestry and Natural Resources Research and Development or PCAARRD and the Bureau of Agricultural Research or BAR and ODA partners shall also be undertaken.

The priority activities under DRDRA shall be included in the Annual Investment Program of Davao Region to ensure funding support. Also, advocacies for the utilization of the

Research Agenda, as well as, research capability trainings shall be undertaken to support the implementation process.

The Davao Regional Development Plan (DRDP), 2017-2022 Results Matrix on Vigorously Advancing Science, Technology and Innovation(Chapter 14), contains specific targets measuring the results, outcomes and impacts of research studies undertaken in the Region. Below is the DRDRA Implementation, Monitoring and Evaluation Structure.

DRDRA Implementaion, Monitoring and Evaluation Structure



To keep tab of the implementation of the DRDRA, 2017-2022, a system shall be installed for the purpose of enhancing accountability of all stakeholders who have roles and responsibilities to play in the implementation of the Plan, as well as keep track of the investments in the region. It shall also serve as a tool in the periodic review and updating of the document.

Two (2) aspects of monitoring will be conducted periodically: a) monitoring of outcomes which are expected results of implementing the DRDRA based on the RMs; and b) monitoring of programs and projects which form part of the inputs that support the achievement of expected outcomes of the Plan's implementation.

To facilitate the monitoring and evaluation of the Updated DRDRA, the RRDIC XI Secretariat shall request the respective national government agencies, R&D consortia, SUCs, and private HEIs involved in R&D requesting to submit an M&E status report using the DRDRA Forms A and B for the monitoring of outcomes/expected results and programs, projects and activities, respectively. These reports shall be submitted to the RRDIC XI Secretariat (DOST XI) every July and January of each quarter, who shall then process the reports and submit them to the RRDIC XI.

The result of the monitoring report be submitted to RDC XI for information and policy recommendation.

DRDRA Form A

RESULTS MONITORING AND EVALUATION REPORT

Davao Region

As of _____

Implementing Agency/SUC/HEI/Consortium: _____

Results/Outcome	Indicators	Baseline	Plan Target	Actual Accomplishment	% Accomplishment	Remarks (Issues/emerging developments/reasons for the performance)

Note: Main reference is the STI RMs (Chapter 14 of the DRDP, 2017-2022)

Prepared by: _____
(Name/Position)

Approved by: _____
(Head of Office/OIC)

Date: _____

Date: _____

DRDRA Form B

FINANCIAL AND PHYSICAL STATUS OF R&D PROGRAMS/PROJECTS/ACTIVITIES

Davao Region

As of _____

Implementing Agency/SUC/HEI/Consortium: _____

Chapter No./ Chapter Title/ Research Agenda	Project Title/ Location	Start & Completion Date	Amount	Funding Source	Physical status (include % of completion)	Remarks (Issues/emerging developments)

Prepared by: _____
(Name/Position)

Date: _____

Approved by: _____
(Head of Office/OIC)

Date: _____

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