



# Ilocos Region Updated Regional Research Agenda 2011-2016



**Background**

**Macro-  
economy**



**Trade,  
Industry &  
Tourism**



**Agribusiness**



**Infrastructure**

**Governance**



**Social**



**Environment  
& Natural  
Resources**



**Possible  
Funding  
Institutions**

# Regional Research Agenda (RRA)

- The Regional Research Agenda (RRA) is a companion plan of the Regional Development Plan (RDP).
- The RRA is updated to redirect research efforts in the context of the region's development thrusts and priorities to support the updated 20011-2016 Regional Development Plan (RDP) for Region 1.
- The RRA is also a response to policy gaps and issues identified in the RDP Plan.
- These researchable agenda which when implemented, can be a basis for formulating sound alternatives to address the region's development concerns.





# REGIONAL DEVELOPMENT COUNCIL – ILOCOS REGION

C/O NEDA REGIONAL OFFICE 1

RDC-1 ExCom Resolution No. 55, s. 2015

## APPROVING THE UPDATED ILOCOS REGION 2011-2016 REGIONAL RESEARCH AGENDA

**WHEREAS**, researches provide inputs in the formulation of strategies and policies to address development concerns;

**WHEREAS**, the Regional Research Agenda (RRA) 2011-2016 was formulated in support of the Regional Development Plan (RDP);

**WHEREAS**, the conduct of research can provide policy options to address the gaps identified in the planning process, as well as those not included in the current plan;

**WHEREAS**, with the critical role of research towards development, there is a need to update the existing research agenda of the region to redirect research efforts in the context of changing national and regional development thrusts and priorities;

**WHEREAS**, the updating of the RRA 2011-2016 will complement the updated 2011-2016 Regional Development Plan of the region in addressing policy gaps, issues and concerns;

**WHEREAS**, guided by the framework and guidelines approved by the RDC-1 ExCom in the updating of the RRA 2011-2016, the various sectoral committees of the RDC-1 updated their respective sectoral component of the RRA 2011-2016;

**WHEREFORE**, upon endorsement of the Regional Research Committee (RRC) of the RDC-1 through RRC-1 Resolution No. 01, s. 2015 and on motion duly seconded;


**BE IT RESOLVED, AS IT IS HEREBY RESOLVED**, to approve the Updated Ilocos Region 2011-2016 Regional Research Agenda;

**RESOLVED FURTHER**, to provide copies of this resolution together with the approved Updated Ilocos Region 2011-2016 Regional Research Agenda to all concerned entities for their information and guidance;

**RESOLVED FINALLY**, to request the RRC-1 to follow-up related activities, monitor and evaluate the Implementation of the Updated Ilocos Region 2011-2016 Regional Research Agenda and to provide feedback to the RDC-1 ExCom on the RRA's status;

**APPROVED**, this 10<sup>th</sup> day of June 2015, San Fernando City, (La Union).

**CERTIFIED TRUE AND CORRECT:**

  
**MARISSA M. GOROSPE**  
RDC-1 Acting Secretary  
(NEDA RO1 Chief Economic Development Specialist)

**APPROVED:**



**NESTOR G. RILLON**  
RDC-1 Vice-Chairman and Presiding Officer  
(NEDA RO1 Regional Director)



# Macroeconomy

1. OFW remittances, its implications to regional development
2. Study on the achievement of inclusive growth as regional development thrust
3. Assessment of the service sector as a source of economic growth and employment
4. Study on the readiness of the region in support to the AEC 2015
5. Study on the provision of appropriate incentives to raise the productivity of the daily minimum wage earners



# Trade, Industry & Tourism

1. Commodity Flow Study on Bangus
2. Impact of Local Investment Codes to the Growth and Development of LGUs
3. Impact of the Streamlining of Business Permit Licensing System to the Growth of Local Industries and Investments
4. Study on the Market Potential of Ube and Ube Powder
5. Study on the Coffee Industry of Ilocos Sur (Suyo, Cervantes, Quirino and Gregorio del Pilar), Ilocos Norte (Piddig) and La Union (Burgos and Santol) as a Major Livelihood and Employment Generator
6. Study on the Compliance of Food Processors to the Requirement of Food and Drug Regulatory Agencies as a Key Factor in Penetrating the US Market, European Union and Other Economic Groups



# Agribusiness

1. Development of an updated localized cropping calendar for major crops
  - Knowledge-based crop forecasting using:
    - accurate real time crop statistics
    - advances in science and technology (e.g., satellite imageries, crop simulation models, GPS-GIS)
2. Weather proofing aquaculture and mariculture
  - Use of high density polyethylene pond lining
  - Use of rope-framed cages in mariculture areas
  - Weather-proofing tilapia nursery in floating cages
3. Germplasm conservation and identification of proper varieties
4. Research on Offshore Fishing Technologies
5. Study on Hatchery Development and Fingerling Improvement
6. Assessment on Seaweed Quality and Productivity Improvement
  - Improvement of quality and increase production
  - Improvement of inland mariculture technologies
  - Development/ improvement of post-harvest technologies
  - Development of probiotics, functional foods and nutraceuticals from lesser use seaweeds



# Agribusiness

7. Study on Improved adoption of Good Manufacturing Practices (GMP) and Good Agribusiness Practices (GAP) in Agribusiness
  - Mechanisms for the standardization of agricultural produce
8. Financing Assistance and Incentives Systems in Agribusiness
  - Low interest credit support to agri-business
  - Research for the possibility to lessen the needed requirements for loan application
  - Study on the motivations and deterrents of farmers in securing capital for production and entrepreneurial activities
  - Evaluation of capabilities of farmers organization/ coop/NGOs/entrepreneurs as borrowers from Government Financial Institutions (GFIs)
  - Development of financing strategies to support small groups of farmers
  - Study on the acceptability of crop insurance
  - Research on the most appropriate low cost technologies through experimental testing
9. Enhancing entrepreneurial capabilities of rural enterprises and agri-industrialization
  - Socio-demographic assessment on the entrepreneurial skills of farmers and fishermen
  - Risk- taking enhancement of farmers and fishermen for efficient entrepreneurship



# Agribusiness

- Community-based enterprise development
  - OFW remittances and Rural, Agricultural Development
10. Institutional Support Systems
- Demand-Supply study on Farmer's Access to Credit, Technology and Market
  - Study on the impact of government support to agri-farmer beneficiaries
  - Leasehold agreement on Productive Assets-Fishery and Forestry: Who benefits? At whose cost?
  - Impact of Tobacco Funds (RA7171) on the Iloco farmers: Bane or Boon?
11. Research on Enhancing community and institutional participation
- Socio-Economic-Demographic factors in farmer's participation in rural institutions
12. Fisheries Post Harvest Technology





# Infrastructure

1. Alternative road building technologies for upland areas to include type of construction materials, cost estimates and applicability to Region 1 conditions
2. Alternative technologies to use excess water during the wet season for irrigation/domestic use during the dry months and how/ where these can be used in the region
3. Affordable school building designs which can withstand typhoons/ monsoon rains
4. Development of Mini-Hydro Electric Plants in Region 1



# Governance

1. Study on the Efficiency and effectiveness of programs and project of LGUs based on the different survey tools (CBMS, NHTS)
2. Efficiency and Effectiveness in the conduct of Fleet and Interagency Operations to facilitate development in the areas/ communities supporting CPP/ NPA
3. Efficiency and effectiveness in the conduct of naval operations in order to establish naval presence
4. Study on the possibility of a more equitable IRA distribution
5. Functionality and Sufficiency of Information Posted on LGUs' Websites and its Impact to the Full Disclosure Order
6. Meta-analysis or Evaluation of the Implemented Laws and Ordinances of LGUs for Good Governance



# Social

1. Study on the implementation of EO 48 re: Philippine National Railroad (PNR) properties to be utilized for socialized housing
2. Assessment of pricing of construction materials for governments housing projects versus commercial price for private developers
3. Study on the employment of TVET graduates as input in the updating of the regional/ provincial skills priorities
4. Comparative study on the behavioral responses of various age groups on Lifestyle Related Diseases (LRDs)
5. Impact on health of the existing practices of IPs in Region 1
6. Factors that affect the performance of BHWs and BNS in the delivery of local health programs
7. Research studies on Pantawid Pamilyang Pilipino Program (4Ps)
8. Dental carries prevalence survey



# Social

9. Psychosocial determinants of health and illness, especially on TB in Ilocos Region
10. Review and Analysis of BEMoNC system in terms of facility, human resource expertise, and usefulness in Region 1
11. Assessment of the Knowledge, Skills and Attitudes of CHT partners on Tuberculosis Prevention and Control in the Province of La Union
12. Evaluation of the Vaccine Preventable Disease (VPD) Surveillance System in Region 1
13. Evaluation of the Implementation of the Philippine Integrated Disease and Surveillance System (PIDSR) in Region 1
14. Survey and Mapping of Emergency Medical Service Capacity of Inter-Local Health Zones in Region 1

# Environment

1. Data collection methodology research and development of models per commodity per area/zone
2. Trend analysis on local meteorological data and production trends
3. Location specific data establishment per season, per year, per commodity
4. Identification of salt water intrusion areas
5. Assessment and evaluation on the enforcement and implementation of RA No. 6657 (CARP)
  - Study on the delimitation of areas not classified as A & D are not eligible for conversion.
  - Study on the extent of conversion/reclassification of prime agricultural lands to other land uses
  - Study on potential relocation sites for affected settlers
6. Assessment/evaluation on status of implementation of Mining Act of 1991, RA 7942
  - Policy study on mine-out tailings and effects of heavy metals on fresh water, soil and health



# Environment

7. Assessment of the effectiveness, conflicts, gaps and status of implementation of all coastal and marine related policies, plans and programs.
  - Impact assessment of the different gears used in Region
  - Characterization and profiling of coastal and riverine resources.
  - Study on the effects of rapid rate of population growth to peoples' lifestyle
8. Policy study on the Development of co-management schemes for foreshore management
9. Foreshore area characterization/profiling
10. Study on the Option for foreshore areas and management of government lands
  - Policy guidelines on expired leases/permits/contracts and/or co-management with LGUs
11. Policy guidelines on the inventory/management of reclamation and accreted lands
12. Research study on effect and extent of salt intrusion
13. Study on the toxicity of pH variability in coastal waters



# Environment

14. Study on acid deposition on inland environment and aquatic ecosystems for possible criteria formulation
15. Assessment and evaluation of the effectiveness/impact of the UDP and community-based forest/enterprise management
16. Establishment of Reward System for informants of violators. Study on the devolution of agency functions to LGU e.g. forest protection and reclassification
17. Study on the private sectors investments in forestry e.g. plantation establishment
18. Study on the upland areas for potential eco-tourism
19. Development of innovative economic instrument for sustainable financing for eco-tourism and environmental projects
20. Study on the complex factors resulting to increased vulnerability to natural disasters
21. Study on the mutation of virus (vector-borne) caused by climate change and the magnitude of the problems in coordination with DOH



# Environment

- 22.Incremental measurement of sea level rise forecast
- 23.Identification and determination of land uses
- 24.Study on the impact of coastal flooding and swamping of low lying areas on the economy and affected population
- 25.Geology of sedimentation and dynamics of coastal areas including impacts of rise in the sea level
- 26.Study on the impact of salt water intrusion to vegetation including coping and mitigation
- 27.Study on the ill-effect of surface mining on the environment and impact of salt water intrusion
- 28.Profile on groundwater supply and rate of extraction for municipalities and cities
- 29.Study on the economic impact of self-resistant species, e.g. coconut, talisay, agoho, to areas affected by saltwater intrusion
- 30.Study on the recharge capacities of groundwater in coastal areas





# Environment

31. Policy study on harvesting rainwater for domestic use
32. Study on the vulnerability of species and ecosystems and preparation of adaptation plans and programs
33. New technologies on effective pest control and management
34. Development of population studies and trend analysis for threatened indicator and endangered species
35. Study of co-management scheme on wildlife management
36. Socio-economic profile of communities adjacent Protected Areas
37. Develop criteria in the preparation of ecotourism investment or business plans for protected areas with the business organizations or institutions
38. Policy Review of Conflicting Policies for Sustainable Watershed Management
39. Performance of selected Reforestation Species in the Rehabilitation of selected Degraded Watersheds
40. Policy Review, Formulation, Amendment and Harmonization of environmental laws and regulations



# Possible Funding Institutions

***Funding institutions implement their own policies and procedures in funding researches. Hence, we urge you to please contact the following institutions directly for assistance and other information:***

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# Possible Funding Institutions

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