

Arlene B. Inocencio

Curriculum Vitae

#43 Rosewood Street, Phase 2, Greenwoods Executive Village
Cainta, Rizal, Philippines
Phone: + 63 2 8423-5378; CP: 0939 765 8366
E-Mail: arlene.inocencio@dlsu.edu.ph

Education

- School of Economics, University of the Philippines, Quezon City, Philippines, Ph.D. Economics, 1997
- School of Economics, University of the Philippines, Quezon City, Philippines, M.A. Economics, *Invited to the PhD Program* 1991
- University of San Carlos, Cebu City, Philippines, Bachelor of Science (Mathematics), *Magna Cum Laude* 1986

Membership of Professional Associations:

- Philippine Economic Society, Philippines (2010 to present)
- Philippine Agricultural Economics and Development Association, Philippines (1999-2001, 2014)

Countries of Work Experience:

Asia: Philippines, Indonesia, Sri Lanka, Indonesia, Vietnam, Thailand, Cambodia, India
Sub Saharan Africa

Languages/Dialects:

	Speaking	Reading	Writing
English	Good	Good	Good
Filipino	Good	Good	Good
Ilonggo	Good	Good	Good
Cebuano	Good	Good	Good

Employment Record:

From: 31/05/2010

Employer:

Position held:

To: Present

School of Economics, De La Salle University, Taft, Manila

Full Professor 5 (T3 AY2021-22)

- Taught environmental valuation, agricultural economics, public finance, contemporary economic development, research methodology, and business economics

From: 16/10/2005

Employer:

Position held:

To: 30/06/2008

International Water Management Institute- Southeast Asia

Economist

- Responsible for IWMI involvement in irrigation development and management in Cambodia; Specifically, provided technical expertise, guidance and support to IWMI staff in Cambodia to ensure quality outputs and inputs to government agencies and donor community -2007
- Led the ABD-IWMI project on performance benchmarking of river basin organizations with pilot activities in Indonesia, Vietnam, Sri Lanka and the Philippines, mid 2006 - mid 2007
- Contributed to IWMI-SEA work in Thailand on assessing potential of high quality clay on agricultural productivity and incomes (Oct. 2007-May 2008).
- Contributed to other IWMI work in India (on analyzing irrigation investment trends and performance) and Sri Lanka (on poverty impact of irrigation development) - 2007.

Arlene B. Inocencio

Arlene B. Encener

From: 16/10/2001
Employer:
Position held

To: 15/10/2005
International Water Management Institute (IWMI), Africa Office, Pretoria, South Africa
Economist

- Project coordinator, responsible for coordinating all activities, completion and submission of various outputs within IWMI and liaising with partners, of a collaborative program of five major institutions which included the World Bank, the African Development Bank, the Food and Agricultural Organization, and the International Fund for Agricultural Development, 2002-5
- Project leader responsible for the successful implementation and completion of irrigation cost and performance study which was funded by the World Bank, 2003-5
- Project leader at IWMI-Southern Africa office responsible for the successful implementation and completion of a Challenge Program for Water and Food project entitled "Increased food security and income in the Limpopo Basin through integrated crop, water, and soil fertility enhancing options and public-private partnerships", 2005
- Co-project leader of a USAID funded project establishing the "Southern Africa Strategic Analysis and Knowledge Support System Network (SAKSS) - provide technical support to help national partners from Southern Africa better implement the work and assist in setting up the foundation towards a working sub-regional support system which can be eventually turned over to the developed sub-region capacity
- Contributed to carrying out of research and writing of report for the project entitled "Opportunities for Private Sector Participation in Agricultural Water Management in sub-Saharan Africa" which was funded by the African Development Bank, 2003-5
- Contributed to other IWMI-Africa (which became Southern Africa office in 2005) work as needed

From: 22/07/1997
Employer:
Position Held:

To: 15/10/2001
Philippine Institute for Development Studies
Research Fellow

- Project Leader of the "Agricultural Policy Discussion Series" project with funding from the Bureau of Agricultural Research, Department of Agriculture (BAR-DA), Philippines; Assistant Project Leader of the "Agricultural Research Prioritization: A GIS-based Biophysical and Socio-economic Characterization" project with funding from BAR-DA; Assistant Project Leader of the "Economic Methodology for Prioritization, Planning and Allocation of National Research, Development and Extension Programs for Corn and Other Major Commodities" project with funding from BAR-DA
- Principal Investigator of the study on "Estimating the Impact of Philippine Taxes on the Environment: An Applied General Equilibrium Approach," under the Impact of Macroeconomic Adjustment Policies on Growth and Equity (IMAPE) project with funding from the International Development Research Center (IDRC), 2000; Principal Investigator of the study on "Impact of Trade Liberalization and Exchange Rate Policy on Industrial Water Pollution and Groundwater Depletion" study undertaken in Sept. 1998 – Sept. 1999 as part of the Impact of Macroeconomic Adjustment Policies on Growth and Equity (IMAPE) project with funding from the International Development Research Center (IDRC). Specifically, worked as principal investigator processing and analyzing the data and writing the report.
- Worked on several key projects:
"Rural Development and Natural Resource Management: Trends and Strategy Implementation Project: Public Investment in Agriculture Component," funded by the World Bank (WB), 2001; "Assessment of the Medium Term National Action agenda for Productivity (MNAAP): Agriculture Sector," a study funded by the Development Academy of the Philippines (DAP), 2000; "Sector Assessment for Agriculture for the First Six Months of the Estrada Administration," funded by the Overseas Economic Cooperation Fund (OECF)

From: 01/06/1996
Employer:

To: 30/06/1997
Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City, Philippines

Position Held:

Senior Research Associate (June 1996 – July 1997)
- In-charged with the study on market-based instruments which was a component of the Environment and Natural Resource Accounting Project - Phase 4, a DENR project being implemented by REECS and funded by the USAID. Specifically, helped obtain,

process and analyze the data and drafted the preliminary report and helped write the final report.

From: 01/02/1994 **To:** 31/05/1996
Employer: Policy and Development Foundation, Inc. (PDFI), Makati City, Philippines
Position Held: Research Associate
- Worked on "Urban Water Pricing" project from 1995 to 1997 funded by the Presidential Task Force on Water Resource Development and Management, Department of Environment and Natural Resources (DENR). Specifically, worked as co-investigator and helped develop the survey instruments, led the conduct of the surveys, helped process and analyze the data and write the reports.

From: 16/05/1992 **To:** 01/03/1993
Employer: Philippine Institute for Development Studies, Makati City, Philippines
Position Held: Research Associate
- Worked on the "Projections and Policy Implication of Medium and Long Term Rice Supply and Demand in the Philippines" project, a joint venture of the International Food Policy Research Institute (IFPRI), International Rice Research Institute (IRRI), and Yale University. Specifically, helped update the data and did some econometric and economic analyses.

As hired consultant from May to September
- Helped update and process the data and did some econometric and economic analyses for the IRRI-IFPRI rice supply and demand study.

From: 01/10/1990 **To:** 15/05/1992
Employer: International Rice Research Institute (IRRI), Los Baños, Laguna, Philippines
Position Held: Senior Research Assistant
- helped in organizing and improving the structure and contents of the 1990 edition of the World Rice Statistics, an official publication of the Social Sciences Division in IRRI; also assisted in the analyses of the sources of productivity growth in the Philippine rice economy, the allocation of public expenditure in agriculture by policy instrument; compiled the Philippine rice data for the rice supply study and helped in the economic analysis; did econometric and economic analyses for the IFPRI-IRRI-Yale rice supply-demand project.

From: 01/06/1988 **To:** 01/10/1990
Employer: College of Public Administration (c/o Prof. Leonor Briones), University of the Philippines, Diliman, Quezon City, Philippines
Position Held: Research Associate
- Worked on the "Rationalization of Government Corporate Sector" project sponsored by the United Nations Development Program (UNDP). Specifically, gathered, processed and analyzed the data and helped write the report.

- Worked on the revision (second edition) of the Philippine Public Fiscal Administration book by Professor Briones sponsored by the Fiscal Administration Foundation, Inc. Specifically, gathered, processed, and analyzed the data, and wrote the drafts of most chapters.

- Also worked on the Development of a Technical Assistance Strategy Responsive to Poverty Alleviation" project funded by UNDP. Primarily, gathered, processed and analyzed the data, and helped write the report.

Consulting Work/Grants

From: 2 February 2020 **To:** May 2021
Fund Source: National Economic and Development Authority (NEDA) for NEDA Region 3 (NRO3)
Task/s: - Serves as economist for the Integrated Infrastructure and Investment Development Planning (3IDP) for Investment Corridors in Central Luzon. Project. The general objective is to formulate an integrated infrastructure and investment development plan that would promote the growth of investments in Central Luzon, and identification and development of the needed infrastructures in support of said investment growth. The project is supposed to provide a strategic framework for identifying the industries best fitted to locate in various parts of the region, and the infrastructure requirements which

Anlene B. Insencio

will guide national government agencies (NGAs) and local government units (LGUs) in the preparation and approval of plans, policies and programs/activities/projects (PAPs).

From: 1 February 2019 **To:** 31 January 2020

Fund Source: National Economic and Development Authority (NEDA) for DILG

Task/s: - Serves as economist/financial specialist of the Bulk Water Supply Project for Zamboanga del Norte, Zamboanga del Sur, Zamboanga Sibugay, and Lanao del Norte for a total of 31 municipalities. These feasibility studies/concept designs aim to identify viable water sources for bulk water supply based on the analysis of existing conditions, technology options in system design and demands of other competing subsectors, e.g., irrigation and agriculture, and develop a system design for bulk water provision in the target municipalities.

From: 14 January 2019 **To:** December 2020

Fund Source: National Economic and Development Authority (NEDA) for MWSS-RO

Task/s: - Serves as financial specialist/economist of the Feasibility study of the Ipo Dam 3 Project. This FS study aims to determine the feasibility of the Ipo Dam 3 project taking into consideration its proposed 40 million-cubic meter capacity as estimated by the MWSS concessionaire, Manila Water Company, in terms of value, sustainability, and efficiency.

From: 15 Nov. 2018 **To:** 14 November 2019

Fund Source: National Economic and Development Authority (NEDA) for NPC-SPUG

Task/s: - Serves as financial specialist/economist of the Feasibility study on Hybridization of Existing Diesel Power Plants with Renewable Energy. This FS study aims to improve the energy conditions in Eastern Visayas by analyzing the potential of hybridization with renewable resources and batteries for 10 island grids in Eastern Visayas.

From: 02 April 2018 **To:** 3 December 2018

Fund Source: Philippine Institute for Development Studies (PIDS)

Task/s: - Serves as overall project Team Leader of a four-component study on technical and institutional evaluation of national and communal irrigation systems, water resource governance and water resources assessment. Responsible for the following: (a) provision of overall supervision for the four individual component studies; approval of individual submissions by component study leaders; (b) provision of technical oversight on the preparation of Focus Group Discussion and Key Informant Interview tools for the component studies; (c) in coordination with the individual study leaders, join in the planning and conduct of field visits; (d) prepare a report on **Irrigation and Agricultural Development** which will cover the following topics: (i) Irrigation: theory and concepts; (ii) Theory of change and rationale for investment; (iii) Patterns and historical trends: service area, cropping intensity, investments, etc.; (iv) History of irrigation in the Philippines; and (v) Related literature; (e) preparation of the **Synthesis Report** integrating the Reports on the four components; and (f) presentation of the preliminary results in an internal Research Workshop at PIDS, and the final paper at a public seminar organized by PIDS.

From: 05/01/ 2018

Fund Source:

Tasks

To: 30 November 2018

National Economic and Development Authority (NEDA) for NEDA Region 4A

- The study formulated a Provincial Economic Account and framework for Region 4A (CALABARZON) that is sustainable and which uses existing data to ensure ease in updating. Specifically, the project carried out the following: (a) identified the most appropriate framework and methodology in estimating the Provincial Economic Accounts (PEA); (b) tested the methodology and estimate the economic output of each province in CALABARZON using the sectors and subsectors of the Gross Regional Domestic Product (GRDP); (c) recommended strategies on how to institutionalize the preparation of the Provincial Economic Accounts; (d) produced a manual or guidebook in estimating the Provincial Economic Accounts; (e) estimated the annual Provincial Economic Accounts of each province in CALABARZON from 2011 to 2016; (f) engaged and capacitated the provincial staff and NEDA personnel to ensure technology transfer in estimating Provincial Economic Accounts; and (g) trained the technical core team in estimating provincial economic accounts.

From: 05/01/ 2018

Fund Source:

Tasks

To: 5 November 2018

National Economic and Development Authority (NEDA) for NEDA Region 3

- The study required the following: (a) a detailed socio-economic profile of Central Luzon by province/municipality/city and by basic sector groups (e.g. farmers and

Arlene B. S. S. noel

landless rural workers, marginalized fisherfolks, indigenous peoples, urban poor and other disadvantaged groups) using secondary data gathering, interviews, focus group discussions; (b) a validation of the official poverty statistics using the socio-economic profiles; (c) identified specific key factors or drivers that led to the reduction of poverty in the provinces of Bataan, Bulacan and Pampanga and explained why and how these factors interacted to produce the poverty reduction in Bataan, Bulacan and Pampanga; (d) identified specific policies and program (social protection, economic growth, social changes, governance and others) which contributed to the reduction of poverty and determined applicability of poverty reducing policies, programs in for the other provinces of Central Luzon.

From: 06/01/ 2017 **To:** 31 December 2017
Fund Source: Board of Investment (BOI), Department of Trade and Industry (DTI)
Tasks: - Formulation of Industry Roadmap for Processed Fruits and Nuts which included an analysis of the industry structure, economic performance, and policy environment and a value chain analysis for the sub-sector.

From: 06/01/ 2017 **To:** 31/08/2017
Fund Source: International Fund for Agricultural Development (IFAD) through the Department of Agriculture-Cordillera Administrative Region (CAR) and the Orient Integrated Development Consultants (OIDCI)
Tasks: - Project team leader of the commissioned work entitled: "Conduct of an End of Second Cordillera Highland Agricultural Resource Management Project (CHARMP 2) Evaluation Study and Results and Impact Management System (RIMS) Study". This project collected data from 900 households and conducted FGDs in 12 barangays spread in the six provinces of CAR to establish impacts of the CHARMP2 interventions on poverty reduction and increasing incomes. It carries out financial and economic analysis.

From: 20/12/ 2016 **To:** 12/06/2017
Fund Source: Department of the Interior and Local Government (DILG) through the Philippine Institute for Development Studies and the Orient Integrated Development Consultants (OIDCI)
Tasks: -Project team leader for the study entitled: "Primary Data Collection for the Assessment of the Bottom-Up Budgeting (BUB) Program: Alleviating Poverty and Strengthening Social Capital." This study analyzed impacts of BuB on poverty and social capital of CSOs and households. It involved collection of primary data from 62 local government units (LGUs) covering 186 LGU respondents, 372 civil society organizations (CSOs) and 6200 households and submitted a comprehensive report together with the raw and cleaned/processed data.

From: 01/03/2016 **To:** 31/08/2016
Fund Source: University of the Philippines, Los Baños (UPLB)
Task/s: - Invited by the editors to be the lead author of a chapter on agricultural water management (Chapter 6: Water in Agriculture – Status, Challenges and Opportunities) in the book on "Global Issues in Water Policy" Series by the Springer. This work is part of the UP governance team's output under the Emerging Interdisciplinary Research Program (EIDR) of the UP System.

From: 07/2015 **To:** 07/2016
Fund Source: Bureau of Agricultural Research (BAR), Department of Agriculture (DA) through the Research Institute (IRRI)
Task/s: - Analyze the performance of the rice sector in the context of a changing environment and assess the IRRI-Dept. of Agriculture (DA) flagship program -- Food Staples Sufficiency Program (FSSP) (include some value chain analysis) and impacts on productivity and farmers' incomes.

From: 05/2015 **To:** 07/2016
Fund Source: Department of Agriculture (DA) through the Southeast Asian Regional Center for Graduate Agriculture (SEARCA)
Task/s: - Assist in the Department of Agriculture's (DA) mainstreaming of climate change through the Strengthening Implementation of Adaptation and Mitigation Initiative in Agriculture ally, analyze current M&E system of the DA and recommend how to apply the landscape the Dept of Agriculture.

From: 06/2015 **To:** 7/ 2016
Fund Source: University of the Philippines Diliman, National Engineering Center-National Hydraulic
Task/s: - Validated economic estimates of benefits of the Proposed Cagayan de Oro Flood Control Project for DPWH

Arlene B. Insencio

Arlene B. Francisco

From: 01/07/15	31/09/15
Fund Source:	San Miguel Corporation through the Resources, Environment and Economics Center for Study (REECS)
Task/s:	- Carry out a "Viability Review of the Caticlan Airport Development Project". Specifically conducted the financial and economic analysis.
From: 06/2015	To: 09/ 2015
Fund Source:	World Bank (WB) through the Orient Integrated Development Consultant, Inc.
Task/s:	- Analyzed results and formulated recommendations and took the lead in the Agriculture sector extreme poor component as part of the multi-country Ultra Poor Study; Helped prepare survey instruments and conducted training of field staff/enumerators
From: 01/2015	To: 04/2015
Fund Source:	National Irrigation Administration (NIA) through University of the Philippines Diliman, National Engineering Center-National Hydraulic Research Center
Task/s:	- Validated the economic estimates of benefits of the Balog-Balog Dam project by TWEDCO (Feasibility Study Validation for NIA)
From: 11/2014	To: 08/2015
Fund Source:	Philippine Institute for Development Studies (PIDS) through the Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City, Philippines
Task/s:	-Part of Economic Assessment Team responsible for the CGE approach to in the Impact Assessment of the National Greening Program
From: 12/2014	To: 08/2015
Fund Source:	Philippine Institute for Development Studies (PIDS)
Task/s:	- Served as overall project leader (of UPLB faculty & research staff) and responsible for study integration of the P7Mn Irrigation Sector Assessment project (Phase 2) entitled "Technical and Institutional Assessment of Sample National (NIS) and Communal Irrigation Systems (CIS) in Luzon"
From: 15/01/2014	To: 30/06/2014
Fund Source:	National Irrigation Administration (under the Participatory Irrigation Development Program funded by World Bank) through the Engineering and Development Corporation of the Philippines (EDCOP), Mandaluyong, Metro Manila, Philippines Irrigation Economist
Task/s:	• Carried out a policy review of the irrigation service fee (ISF) of the National Irrigation Administration (NIA) under the Participatory Irrigation Development Project, NIA. Funded by the World Bank; Lead the survey of 900 irrigators association (IA) members and analysis of the data
From: 10/2013	To: 09/2014
Fund Source:	International Food Policy Research Institute (IFPRI), Washington, DC., USA
Task/s:	- Wrote the Chapter on "Trends in Agricultural Water Resources" In M. Rosegrant, A. Balisacan, M. Sombilla, (eds.) <i>The Future of Philippine Agriculture: Scenarios, Policies, and Investments under Climate Change</i> (forthcoming)
From: 01/08/2013	To: 30/11/2013
Fund Source:	Philippine Institute for Development Studies (PIDS), Makati, Philippines
Task/s:	- Carried out a rapid assessment of the irrigation program of the Philippine government covering selected National Irrigation Systems in Luzon and Visayas
From: 15/01/2013	To: 31/12/2013
Fund Source:	World Bank for the Protected Area and Wildlife Bureau (PAWB), Department of Environment and Natural Resources (DENR) through Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City, Philippines
Task/s:	• Led the Payment for Ecosystem Services (PES) component under the umbrella project on Sustainable Financing of Protected Areas Project; Conducted PES surveys in Mt. Banahaw municipalities and negotiations in Cagayan de Oro as downstream of Mt Kalatungan.
From: 01/12/2013	To: 31/4/2013
Fund Source:	World Bank (WB) Philippines through the Ingénierie, Société Anonyme Limited (BRLi) (a French engineering and consulting firm in the areas of machinery, process and industrial projects sites with activities related to civil engineering, hydraulic

engineering or for buildings and transport water management infrastructure projects design and realization of projects relevant to the electrical and electronic engineering, mining engineering, chemical engineering, mechanical engineering, industrial engineering, systems engineering, safety technology development projects using the techniques of air conditioning, refrigeration, sanitation and the fight against pollution, acoustical engineering, etc. construction project management services geophysical, geological and seismic studies cartographic and spatial information)

Irrigation Economist/Local counterpart

Task/s:

- Together with a Moroccan Economist who is considered an expert in PPP in Irrigation, explored and examined the potential (framework and pre-conditions for a pilot) of a Public-Private Partnership for Irrigation in the Philippines; Provided the Philippine context, analyzed the issues besetting the sector and formulated recommendations (the final version of the report is posted at the WB-Philippine website).

From: 01/10/2012

To: 31/12/2012

Fund Source:

Conservation International (CI) and United States Aid for International Development (USAID) through the Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City, Philippines

Task/s:

- Part of a training/mentoring team on doing coastal resource management research which involved selected participants from the academe and local government units in the Philippines
- Specifically mentored the DLSU Lipa, Batangas Faculty and LGU staff in implementing total economic valuation (TEV) of a marine protected area in Batangas.

From: 05/12/2011

To: 30/09/2012

Fund Source:

Asian Development Bank, Mandaluyong, Philippines

Task/s:

- Helped organize and coordinate the **first Asian Irrigation Forum** with over 200 participants from various countries held in April 2012 at ADB, Manila; Reviewed and edited technical papers and presentations; Communicated with the speakers; Drafted the ADB Board Information Paper containing the findings from the Forum and recommendations for ADB's engagement in the sector

From: 01/11/2008

To: 30/05/2010

Fund Source:

Philippine Institute for Development Studies, Makati, Philippines

Task/s:

- Reviewed Philippine irrigation sector performance which was presented (January 2013) to the Economic Development Cabinet Cluster of the Aquino administration led by Pres. Aquino and which became the basis for the Irrigation Sector Review-Phase 2; Put together a comprehensive database on irrigation and related indicators.

From: 01/07/2008

To: 30/04/2009

Fund Source:

Asian Development Bank (ADB) through the DHV- BV, Indonesia (an independent, international engineering and project management firm headquartered in The Netherlands)

Task/s:

- Piloted performance benchmarking in seven river basin organizations (RBOs) in Indonesia. The project involved providing technical guidance for the DHV project leader and other DHV consultants who were part of the Asian Development Bank Technical Assistance. It also involved designing and conducting of training on performance benchmarking for senior officials of river basin organizations, managing workshops, certifying peer reviewers, guiding peer review visits and preparation of reports.

From: 01/06/1996

To: 30/06/1998

Fund Source/s:

For household water requirements: United Nations Fund for Population Activities (UNFPA) for the Population Commission (PopCom) through the Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City, Philippines

Task/s:

For the market and non-market based instruments: United States Agency for International Development (USAID) through REECS.

Analyzed household basic water requirements and produced the "Determination of Basic Household Water Requirements" which was turned into a Discussion Paper for the Philippine Institute for Development Studies (PIDS). Specifically, developed

Arlene B. Inocencio

the survey questionnaire, trained the interviewers, processed and analyzed the data and primarily wrote the report. (Nov. 1997 – June 1998).

- Assessed Market and Non-Market Based Instruments in Controlling Air Pollution project which was funded by the USAID. Specifically, helped obtain, process and analyze the data and helped write the final report. (Aug. –Sept 1997)

Refereed Journal Articles

Santos, M. G., M. Tiongco, **A. Inocencio**, and C. Cororaton. 2024. Rice Buffer Stock Maintenance Post-Rice Tariffication Law (RA11203): An Application of a Partial Equilibrium model for Buffer Stock Level Optimization. *DLSU Business and Economics Review*. January 2024.

Cororaton, C., **A. Inocencio**, A. Sobrevinas, E. Barnedo. 2022. Small Area Estimates of Poverty in Region III. *DLSU Business & Economics Review*. Vol. 32, No. 1.

Barnedo, E. and **A. Inocencio**. 2021. Impact of Subsidies on Competition in the Philippine Agricultural and Manufacturing Sectors. *Philippine Journal of Science*. 150(5):1169-1186.

Ureta, C. L. Abueg, **A. Inocencio**. 2021. Towards establishment of a Payment for Ecosystem Services in Protected Areas: The case of Mounts Banahaw and San Cristobal in Quezon Province, Philippines. *DLSU Business & Economics Review*. Vol. 31, No. 1.

Briones, R., R. Clemente, **A. Inocencio**, R. Luyun, and A. Rola. (2020). Assessment of the Free Irrigation Service Act. *PIDS Research Paper Series No. 2020-05*. Quezon City: Philippine Institute for Development Studies.

Inocencio, A. and R. Barker. (2018). Current Challenges in Water Resource Development and Management. *DLSU Business & Economics Review*, (Special Issue on Agriculture Water in the Philippines). Vol. 28., No. 1. pp. 1-17.

Inocencio, A.; K. Yoshinaga, Marites Tiongco, A. Manalang. (2018). Exploring the Potential of PPP in Philippine Irrigation. *DLSU Business & Economics Review*, (Special Issue on Agriculture Water in the Philippines). Vol. 28., No. 1. pp. 18-30.

Cororaton, C.; M. Tiongco, **A. Inocencio**, A. Manalang and A. Lamberte. (2018). Climate change, Food Availability and Poverty: The Case of Philippine Rice. *DLSU Business & Economics Review*, (Special Issue on Agriculture Water in the Philippines). Vol. 28., No. 1. pp. 70-83.

Perez, N. Rosegrant, M. and **Inocencio, A.** (2018). Philippine Irrigation Investment under Climate Change: Scenarios, Economic Returns, and Impacts on Food Security. *DLSU Business & Economics Review*, (Special Issue on Agriculture Water in the Philippines). Vol. 28., No. 1. pp. 121-146.

Cororaton, C., **Inocencio, A.**, Manalang, A. and Tiongco, M. 2016. Assessing the Potential Economic and Poverty Effects of the National Greening Program. *DLSU Business & Economics Review*. Vol. 26(1): 136-173.

Cororaton, C., **Inocencio, A.**, Manalang, A. and Tiongco, M. 2015. A Conceptual Framework for Estimating the Impact of Climatic Uncertainty and Shocks on Land Use, Food Production, and Poverty in the Philippines. *DLSU Business & Economics Review*. Vol. 24 No. 2. (January).

Saleth, Maria R., **A. Inocencio**, A. Noble and S. Ruaysoongnern. 2009. Economic Gains of Improving Soil Fertility and Water Holding Capacity with Clay Application: The Impact of Soil Remediation Research in Northeast Thailand. *Journal of Development Effectiveness*, 1(3):336-352.

Sally, H., **A. Inocencio**, D. Merrey. 2003. Agricultural land and water management for poverty reduction and economic growth in Sub-Saharan Africa: Setting the research agenda. *African Water Journal*, December:20-29.

Inocencio, A. 2003. Public-private partnership in water supply in Metro Manila, is it serving the urban poor?, *Waterlines* Vol. 21 No.3.

Dufournaud, C., M. Jerret, U. Rodriguez, J. Quinn and **A. Inocencio**. 2003. The net cost of banning commercial forestry: A computable general equilibrium analysis for the Philippines. *Environment and Planning A*, Vol. 35, (4) April.

David, C. and **A. Inocencio**. 1999. Policy and Institutional Reforms in Metro Cebu's Water Resource Management, *Philippine Institute for Development Studies Development Research News*, Vol. XVII No. 6. November-December Issue.

Alejo B. Inocencio

David, C., **A. Inocencio**, F. Largo, and E. Walag. 1998. Water in Metro Cebu: the case for policy reforms, *Journal of Philippine Development*, No. 46, Vol. XXV No. 2.

Peer Reviewed Book/Book Chapters

Inocencio, A. 2024. Chapter 6. "Water and Food Security" in "Post-Pandemic Policy for Food Security – Volume 1" (pp. 189-228) with Llanto, Gilberto M. and Basilio, Enrico L. as editors and University of the Philippines, National College of Public Administration and Governance, University of the Philippines (UP) Press.

Inocencio, A. and A. Inocencio. 2023. "Chapter 5 To What Extent Has Philippine Agriculture Undergone Integration and Consolidation? The State of Agri-enterprise in the Philippines" In R. Briones (ed). *How Modern Is Philippine Agriculture and Fisheries? The Agriculture and Fisheries Modernization Act after a Quarter Century*, Quezon City: Philippine Institute for Development Studies.

Inocencio, A. and A. Rola. 2022. Chapter 23: The Role of Government Subsidies in Philippine Agricultural Competition, In H. Hill, M. Ravago, J. Roumasset (eds). *Pro-Poor Development Policies: Lessons from the Philippines and East Asia*, Institute of Southeast Asian Studies Publishing, Singapore.

Inocencio, A. and R. Briones. (2021). Chapter 1: Irrigation and Agricultural Development, In R. Briones (ed) *Revitalizing Philippine Irrigation: A Systems and Governance Assessment for the 21st Century*. Quezon City: Philippine Institute for Development Studies. (**NAST 2022 Book Award**)

Briones, R., R. Clemente, **A. Inocencio**, R. Luyun, and A. Rola. (2021). Chapter 6: An Assessment of the Free Irrigation Service Act, In R. Briones (ed) *Revitalizing Philippine Irrigation: A Systems and Governance Assessment for the 21st Century*. Quezon City: Philippine Institute for Development Studies. (**NAST 2022 Book Award**)

Inocencio, A., A.D. Inocencio, and R. Briones. (2021). Chapter 8: Assessing the Resurgent Irrigation Development Program of the Philippines: Synthesis Report, In R. Briones (ed) *Revitalizing Philippine Irrigation: A Systems and Governance Assessment for the 21st Century*. Quezon City: Philippine Institute for Development Studies. (**NAST 2022 Book Award**)

Inocencio, A. Chapter 3. (2019). Trends in Agricultural Water Resources." In M. Rosegrant, M. Sombilla, A. Balisacan (eds). *The Future of Philippine Agriculture: Scenarios, Policies, and Investments under Climate Change*. Institute of Southeast Asian Studies Publishing, Singapore.

Inocencio, A.B., D. Elazegui, R. Luyun Jr., A. Rola. 2018. Chapter 6: Agricultural Water Management Issues in the Philippines. Springer Book Series on Global Water Policy, pp. 117-141.

Ponce, E. and **Inocencio, A.** 2017. Toward a More Resilient and Competitive Philippine Rice Industry: Lesson from the Past Three Decades. Los Baños, Laguna: International Rice Research Institute. 106p.

Inocencio, A. 2016. Water in Agriculture: Key Challenges and Opportunities for the Philippines. In S. Banta (Ed). *Water in Agriculture: Status, Challenges and Opportunities Proceedings*. College, Laguna: Asia Rice Foundation. (November)

Inocencio, A. 2012. Chapter 6: Case Studies: 6.7 Magat Watershed - A co-management approach in Nueva Vizcaya, Philippines. In *Urban Patterns for a Green Economy Working with Nature*, ed. V. Quinlan. Nairobi, Kenya: United Nations Human Settlements Programme (UN-Habitat).

Inocencio, A. and McCormick, P. 2008. Economic Performance of Public Investments in Irrigation in India in the Last Three Decades. In "National River Linking Project- Analysis of Hydrological, Social and Ecological Issues. Strategic Analysis of National River Linking Project of India. Series 2. Eds. Bharat R. Sharma and Upali A. Amarasinghe Colombo, Sri Lanka: International Water Management Institute.

Molden, D., et al. (including **A. Inocencio**). 2007. Chapter 2: Trends in water and agricultural development. In *Water for Food, Water for Life: A Comprehensive Assessment of Water Management in Agriculture*. ed. Molden, D. London: Earthscan, and Colombo: International Water Management Institute.

Inocencio, A. and R. Barker. 2006. Chapter 4: Constraints and opportunities in water resources and irrigation development in Philippine rice production. In *Securing Rice, Reducing Poverty: Challenges and Policy Directions*. eds. Balisacan, A., Sebastian, L. and Eleazar, N. Los Baños, Philippines: SEARCA/PhilRice/Bureau of Agricultural Research.

Barker, R., D. Dawe and **A. Inocencio**. 2003. Economics of water productivity in managing water for agriculture. In Kijne, J. W.; Barker, R.; Molden, D. (Eds.), *Water productivity in agriculture: Limits and opportunities for improvement*. Wallingford, UK; Colombo, Sri Lanka: CABI; IWMI. pp.19-35.

Arlene B. Inocencio

Inocencio, A. 2002. "The role of local governments in management and delivery of urban water services," In Genevieve Dubois-Taine (Ed.), *Sustainable Urban Services – Santiago de Chile Seminar*. PUCA – METLTM: France.

Inocencio, A. 2001. "Public-private-partnerships in management and delivery of water to urban poor," In Genevieve Dubois-Taine (Ed.), *Sustainable Urban Services – Hong Kong Seminar*, PUCA – METL: France.

Briones, L., D. Sevilla, and **A. Baulita-Inocencio**. 1993. Chapter 20: Government-owned and controlled corporations: Issues, problems and policy dilemmas, *Introduction to Public Administration in the Philippines: A Reader*, eds. by Drs. V. Bautista and C. Alfiler, D. Reyes, and P. Tapales, University of the Philippines Press: Diliman, Quezon City.

Zosa, A. and **A. Baulita**. 1990. Island Cement Corporation: A case study of re-privatization, *Privatization and Public Enterprise: The Asia-Pacific Experience*, edited by Geeta Gouri, Oxford and IBH Publishing Co.

Policy Notes / Policy Briefs / Broadsheet Media

Cororaton, C., M. Tiongco, **A. Inocencio**. 2021. Potential Benefits of RCEP on the Philippines: Accelerating Recovery through Trade and other Economic Opportunities. *AKI Policy Brief Vol. XII, No. 6 (February)*. Manila, De La Salle University Angelo King Institute for Economic and Business Studies.

Cororaton, C., M. Tiongco, **A. Inocencio**. 2020. Potential Economic Effects of Lockdown in the Philippines due to COVID-19: Lessening the Impact on Poor Households. *AKI Policy Brief XII No. 7*. Manila, De La Salle University Angelo King Institute for Economic and Business Studies.

Inocencio, A. and R. Briones. 2020. Irrigation investments: Some recurrent and emerging issues. *Philippine Institute for Development Studies (PIDS) Policy Notes* no. 2020-05. (March). Quezon City, PIDS.

Cororaton, C. B., **Inocencio, A.B.**, Tiongco, Marites M., Manalang, Anna Bella S. 2016. Economic and Poverty Impacts of the National Greening Program. *Philippine Institute for Development Studies Policy Notes*. No. 2016-12. Makati City, PIDS.

David, C. and **A. Inocencio**. 2014. Measuring irrigation performance: Lessons from national systems. *Philippine Institute for Development Studies Policy Notes* No. 2014-20 (October).

Dufournaud, C., M. Jerret, U. Rodrigues, J. Quinn, **A. Inocencio**, J. Harrington. 2000. "Banning Commercial Forestry: The Costs," *In Perspective, The Manila Times*, August 24 and 25.

David, C., **A. Inocencio**, et al. 2000. "Urban Water Pricing: The Case of Metro Manila and Metro Cebu," *Philippine Institute for Development Studies Policy Notes* No. 2000-09.

Dufournaud, C., M. Jerret, U. Rodrigues, J. Quinn, **A. Inocencio**, J. Harrington. 2000. "Banning Commercial Forestry: What are the Costs?," *Philippine Institute for Development Studies Policy Notes* No. 2000 – 07.

Inocencio, A., J. Padilla and Ma. E. Javier. 2000. "How Much Water Do Households Require," *In Depth* feature article on **Water Use**, *Philippine Daily Inquirer*, January 9.

Research Reports, Discussion/Working Papers

Cororaton, C., **A. Inocencio**, H. Ongkiko, A. Baulita, A. Capiato. 2023. Assessment of the Welfare Impacts of Potentially Trade-Restrictive Non-Tariff Measures (NTM) on Key Agricultural/Food Commodities, NEDA Discussion Note. (June).

Inocencio, A., A. Baulita, A.D. Inocencio. 2022. To what extent has the Philippine agriculture undergone integration and consolidation? State of agro-enterprise development in the Philippines. *Philippine Institute for Development Studies (PIDS) Discussion Paper* no. 2022-13. Quezon City, PIDS.

Inocencio, Arlene and A.D. Inocencio, 2020. Assessing the Resurgent Irrigation Development Program of the Philippines: Synthesis Report. *Philippine Institute for Development Studies (PIDS) Discussion Paper* no. 2020-21. Quezon City, PIDS.

Briones, R., R. Clemente, **A. Inocencio**, R. Luyun, A. Rola. 2019. Assessment of the Free Irrigation Service Act. *Philippine Institute for Development Studies (PIDS) Discussion Paper* no. 2019-14. Quezon City, PIDS.

Inocencio, A.B., Ureta, Carl, Baulita, Alex, Baulita, Arman, Clemente, Roberto S., Luyun, Roger Jr. A., Elazegui, Dulce D. 2016. Technical and Institutional Evaluation of Selected National and Communal Irrigation Systems and

Arlene B. Inocencio

Characterization of Irrigation Sector Governance Structure. *Philippine Institute for Development Studies Discussion Paper* no. 2016-12. Makati City, PIDS.

Vista, Arvin, Cororaton, Caesar B., **Inocencio, A.B.**, Tiongco, Marites M., Manalang, Anna Bella S. 2016. Impact Assessment of the National Greening Program of the Department of Environment and Natural Resources: Scoping or Process Evaluation Phase (Economic Component). *Philippine Institute for Development Studies Discussion Paper* no. 2016-27. Makati City, PIDS.

Briones, R., ... **A. Inocencio**. 2012. Monitoring and Evaluation of Agricultural Policy Indicators (Irrigation Component), *Philippine Institute for Development Studies Discussion Paper* no. 2012-26. Makati City, PIDS.

Saleth, Maria R., **A. Inocencio**, A. Noble and S. Ruaysoongnern. 2009. Economic Gains of Improving Soil Fertility and Water Holding Capacity with Clay Application: The Impact of Soil Remediation Research in Northeast Thailand. 38p. *IWMI Research Report 130*. Colombo, Sri Lanka: International Water Management Institute, vii+30pp.

Inocencio, A., M. Kikuchi, M. Tonosaki, A. Maruyama, D. Merrey, H. Sally and I. De Jong. 2007. Costs and Performance of Irrigation projects: A Comparison of sub-Saharan Africa and Other Developing regions. *IWMI Research Report 109*. Colombo, Sri Lanka: IWMI.

Penning de Vries, F., H. Sally and **A. Inocencio**. 2005. *Opportunities for private sector participation in agricultural water development and management*. Colombo, Sri Lanka: IWMI. xxiii, 50p. (IWMI Working Paper 100)

Inocencio, A., H. Sally and D.J. Merrey. 2003. *Innovative approaches to agricultural water use for improving food security in Sub-Saharan Africa*. v, 18p. (IWMI Working Paper 55).

Inocencio, A. and C. David. 2001. "Public-private-community partnerships in management and delivery of water to urban poor: the case of Metro Manila," *Philippine Institute for Development Studies Discussion Paper Series No.* 2001-18.

Inocencio, A. and C. David. 2001. "Assessment of the Medium Term National Action Agenda for Productivity (MNAAP): Agriculture Sector," *Philippine Institute for Development Studies Discussion Paper Series No.* 2001-13.

Clemente, R., G. Tabios, R. Abracosa, C. David, and **A. Inocencio**. 2001. "Groundwater Supply in Metro Manila: Distribution, Environmental and Economic Assessment," *Philippine Institute for Development Studies Discussion Paper Series No.* 2001-06.

Clemente, R., R. Abracosa, C. David, **A. Inocencio** and G. Tabios. 2001. "Metro Manila and Metro Cebu Groundwater Assessment," *Philippine Institute for Development Studies Discussion Paper Series No.* 2001-05.

Inocencio, A. 2001. "Serving the Urban Poor through Public-Private-Community Partnerships in Water Supply," *Philippine Institute for Development Studies Policy Notes No.* 2001-10.

Inocencio, A., C. Dufournaud and U. Rodriguez. 2001. Impact of tax changes on environmental emissions: An applied general equilibrium (AGE) approach for the Philippines, *IMAPE Research Paper No.* 07.

Inocencio, A., C. David and D. Gundaya. 1999. Impact of trade liberalization and exchange rate policy on industrial water pollution and groundwater depletion, *IMAPE Research Paper No.* 03.

David, C. and **A. Inocencio**. 2000. "Rural Sector Public Expenditures: Key Issues, Strategies and Performance Indicators," In *Rural Development and Natural Resource Management: Trends and Strategy Implementation and Framework Performance Indicator System*, Vol. II, Annex 9, World Bank Rural Development and Natural Resources Sector Unit, East Asia and Pacific Region.

Inocencio, A., C. David and D. Gundaya. 2000. "Impact of Trade Liberalization and Exchange Rate Policy on Industrial Water Pollution and Groundwater Depletion," *Philippine Institute for Development Studies Discussion Paper Series No.* 2000-44.

David, C. and **A. Inocencio**. 2000. "Key Indicators for Public Expenditure in Agriculture, National Resources, and the Environment," *Philippine Institute for Development Studies Discussion Paper Series No.* 2000-26.

Inocencio, A., J. Padilla, and M. Javier. 1999. "Determination of Basic Household Water Requirements," *Philippine Institute for Development Studies Discussion Paper Series No.* 99-02. (February).

Inocencio, A., J. Padilla and Ma. E. Javier. 1999. "How Much Water Do Households Require," *Philippine Institute for Development Studies Policy Notes No.* 99-11 (October).

Largo, F., **A. Inocencio**, and C. David. 1998. "Understanding Household Water Demand for Metro Cebu," *Philippine Institute for Development Studies Discussion Paper Series No.* 98-41. (November).

Arlene B. Inocencio

David, C.C., **A.B. Inocencio**, F.M. Largo, and E.L. Walag. 1998. "Water in Metro Cebu: The Case for Policy and Institutional Reforms," *Philippine Institute for Development Studies Discussion Paper Series No. 98-38*. (October).

David, C. and **A. Inocencio**. 1998. Understanding household demand for water: The Metro Manila case, *Economy and Environment Program for Southeast Asia (EEPSEA) Research Report Series*, Singapore. (January).

David, C. and **A. Inocencio**. 1996. "Understanding Household Demand and Supply of Water: The Metro Manila Case," *Philippine Institute for Development Studies Policy Notes No. 96-04*. (December).

Inocencio, A. and C. David. 1995. "Comparative and Competitive Advantage of Philippine Rice Production: 1966-1990," *Philippine Institute for Development Studies Discussion Paper Series No. 95-03*. (October).

Zosa, A. and **A. Baulita**. 1991. "The Role and Performance of Government Corporations on Poverty Alleviation: Focus on NFA, NHA and DBP," *Government Corporate Sector Rationalization Program: Policy Studies, 1989-1990*, Department of Budget and Management.

Zosa, A. and **A. Baulita**. 1991. "Rationalizing Operations of Government Corporations through Franchising and Other Options," *Government Corporate Sector Rationalization Program: Policy Studies, 1989-1990*, Department of Budget and Management.

Zosa, A. and **A. Baulita**. 1991. "Rationalizing Government Presence in Public Utility Government Corporations: A Policy Framework for Private Sector Participation and Other Dispositive Actions/Options," *Government Corporate Sector Rationalization Program: Policy Studies, 1989-1990*, Department of Budget and Management.

Other Unpublished / Project Reports

Inocencio, A. 2024. Republic of Indonesia, Indonesia Resilient Food Systems (IRFS), Project Design: Ex-ante Economic and Financial Analysis. Submitted to Indonesia - International Fund for Agricultural Development (IFAD), Jakarta.

Inocencio, A. 2024. Chapter 10 - Economic and Financial Analysis, Feasibility Study of the Baquilan Irrigation Project Report. To be submitted to the National Irrigation Administration (NIA). (May). Quezon City.

Inocencio, A. 2024. Republic of Indonesia Youth Entrepreneurship and Employment Support Services Programme (YESS), Project Midterm Review: and Economic and Financial Analysis. Submitted to Indonesia - International Fund for Agricultural Development (IFAD), Jakarta.

Inocencio, A., M. R. Ching, M. Miraflores, E. Barnedo, A. Baulita, A.D. Inocencio, K. Robiso. 2024. Sectoral Strategy Studies in the Philippines for Public-Private Partnership Models in Agriculture-Food Supply Chain and Digital Governance: PPPs in Digital Governance. Final Report submitted to the Foreign Commonwealth and Development Office (FCDO) for the PPP Center.

Inocencio, A., E. Barnedo, A. Inocencio, K. Robiso. 2023. Formulation of a Competitive Neutrality Framework and Assessment of the Implementation of Competitive Neutrality in the Philippines. Final Report submitted to the National Economic Development Authority.

Inocencio, A., M. Miraflores, G. Sarte, A. Marcelino. 2023. Baseline Survey for the Impact Evaluation of the Rural Agro-Enterprise Partnership for Inclusive Development and Growth (RAPID) Growth Study. Final Report submitted to the Philippine Institute and Development Studies (PIDS).

Cororaton, C., **A. Inocencio**, H. Ongkiko, A. Baulita, A. Capiato. 2023. Assessment of the Welfare Impacts of Potentially Trade-Restrictive Non-Tariff Measures (NTM) on Key Agricultural/Food Commodities. Final Technical Report (Volumes 1 & 2) submitted to the National Economic Development Authority.

Inocencio, A. 2023. Papua New Guinea Market for Village Farmers Project – Maket Bilong Vilis Fama (MVF) Project Midterm Review: Value for Money, and Economic and Financial Analysis. Submitted to Indonesia - International Fund for Agricultural Development (IFAD), Jakarta.

Inocencio, A. 2023. Republic of Indonesia Development of Integrated Farming System in Upland Areas (UPLAND), Project Midterm Review: Value for Money, and Economic and Financial Analysis. Submitted to Indonesia - International Fund for Agricultural Development (IFAD), Jakarta.

Arlene B. Inocencio

Inocencio, A. 2023. Republic of Indonesia Integrated Participatory Development and Management of the Irrigation Sector Project (IPDMIP), Project Completion Report: Economic and Financial Analysis. Submitted to Indonesia - IFAD, Jakarta.

Inocencio, A. 2023. Chapter 10 - Economic and Financial Analysis, Feasibility Study of Kalaanan Irrigation Project Report. Submitted to the National Irrigation Administration (NIA). Quezon City.

Inocencio, A. 2022. Economic and Financial Analysis of the Second Cordillera Highland Agricultural Resource Management Project (CHARMP 2) and Scale-Up Project (included transport component of the project). Submitted to Philippines-IFAD, Manila.

Inocencio, A. 2022. Chapter 8-Economic Evaluation and Financial Analysis. Feasibility Study on Hydropower Development for Balog-Balog Multipurpose Project. Study prepared for the National Irrigation Administration (NIA).

Inocencio, A. 2021. Economic Analysis of the Sinocalan-Marusoy Flood Control Project. A chapter in the Master Plan and Feasibility Study of Flood Control and River Improvement of Sinocalan-Marusoy and Patalan-Cayanga-Angalacan (Region 1 & CAR). Study prepared for the Department of Public Works and Highways (DPWH).

Inocencio, A. 2021. Economic Analysis of the Patalan-Cayanga-Angalacan Flood Control Project. A chapter in the Master Plan and Feasibility Study of Flood Control and River Improvement of Sinocalan-Marusoy and Patalan-Cayanga-Angalacan (Region 1 & CAR). Study prepared for the Department of Public Works and Highways (DPWH).

Inocencio, A. 2021. Economic Analysis for the Feasibility Study for Ormoc City Water Supply System Project. Public-Private Partnership Center for Ormoc City LGU.

Inocencio, A. 2021. Consulting Services for the Integrated Infrastructure and Investment Development Planning for Investment Corridors in Central Luzon: Situational Analysis Report on the Regional Economy; and Economic Analyses for 5 investment projects under this Study (Regional Agricultural Commodities Exchange Center, Bulk Water Supply project for Major Urban Centers in Central Luzon, Metropolitan Septage Management Project, Integrated Transport and Processing Center for Agri-producing Areas in Central Luzon, & Western Seaboard Expressway). Integrated Reports submitted to NEDA Central Office through NEDA Region 3 Office.

Cororaton, C., **A. Inocencio**, G. Santos, and M. Tiongco. 2021. NFA Optimal Buffer Stocking Study. Draft Final Report submitted to the National Food Authority for the NFA Council, Quezon City. (March).

Cororaton, C., **A. Inocencio**, M. Mena, L. Florece, H. Ongkiko, A.D. Inocencio and A. Capiato. 2020. Tourism Agglomeration in Central Luzon: Characterization and Assessment of Impact on Local Development. Draft Final Report submitted to the National Economic and Development Authority (NEDA), Central Office, Pasig City and NRO3, San Fernando, Pampanga.

Inocencio, A. 2020. Economic and Financial Analyses for the Feasibility Study of the Ipo Dam 3 Project, Final Report submitted by EDCOP-CEST to NEDA for MWSS-Regulatory Office.

Inocencio, A., C. Cororaton, A. Marcelino, A. Baulita, and A. Capiato. 2020. Bohol Provincial Product Accounts. Final Draft Report submitted to the National Economic and Development Authority (NEDA), Central Office, Pasig City and NRO7, Cebu City.

Inocencio, A. 2020. Financial and Economic Analyses for the Feasibility Studies and Concept Designs for Bulk Water Supply Projects for Zamboanga del Norte (7 municipalities) and Sibugay (7 municipalities). Integrated Reports submitted to NEDA for DILG by EDCOP and CEST. Pasig City.

Inocencio, A. 2020. Masterplan for the Sustainable Urban Infrastructure Development in Metro Ormoc: Situational Analyses for the Economy; and Economic Analyses for Five Pre-feasibility studies for Ormoc Airport expansion, Ipil Port, Urban Redevelopment, Flood Control and Solid Waste to Energy Projects. Full Reports submitted to NEDA Central Office for NEDA Region 8 by EDCOP, CEST, PRIMEX. Pasig City.

Cororaton, C., **A. Inocencio**, A. Baulita, A. Marcelino, P. Aquino and A. Capiato. 2020. Provincial Product Accounts National Scoping Study. Final Draft Report submitted to the National Economic and Development Authority (NEDA), Central Office, Pasig City.

Inocencio, A. 2020. Financial and Economic Analyses for the Feasibility Study on Hybridization of Existing Diesel Power Plants with Renewable Energy and Battery in Island Grids and Missionary Areas in Eastern Visayas: Almagro, Batag, Biri, Camandag, Capul, San Antonio, San Vicente, Santo Nino, Tagapul-an, Zumarrage Islands. Report Submitted to NEDA Central Office by Tractebel- engie and EDCOP for NPC-SPUG. Pasig City.

Ella, V., ..., **A. Inocencio**, et al. 2020. National Irrigation Masterplan 2020-2030. Final Report Submitted to the submitted to the National Economic and Development Authority (NEDA), Central Office, Pasig City and the National Irrigation Administration.

Alejo B. Inocencio

Inocencio, A., M. Tiongco, Alexis Baulita, Arman Baulita, A.D.Inocencio. 2019. Processed Fruits and Nuts Industry Roadmap. Final Report Submitted to the Department of Trade and Industry-Board of Investment. Makati City.

Inocencio, A.B., A.D. Inocencio, E. Barnedo. 2019. Scoping Paper on Philippine Subsidies and State-owned Enterprises in the Agricultural and Manufacturing Sectors. Final Report Submitted to the Philippine Competition Commission. Quezon City.

Inocencio, A. and Associates. 2019. Primary Data Collection for the Conduct of Baseline Study on Policy and Governance Gaps for Local Government Support Fund – Assistance to Municipalities (LGSF-AM). Final Report Submitted to the Philippine Institute for Development Studies (PIDS), Quezon City.

Cororaton, C., **A. Inocencio** and A. Sobreviñas, A. Baulita and E. Barnedo. 2018. The Study on Key Drivers of Poverty Reduction in Central Luzon (Region III). Final Draft Report submitted to the National Economic and Development Authority (NEDA), Central Office, Pasig City and NRO3, San Fernando, Pampanga.

C. Cororaton, **A. Inocencio**, A. Marcelino, and A. Baulita. 2018. CALABARZON Provincial Economic Accounts. Final Draft Report submitted to the National Economic and Development Authority (NEDA), Central Office and NRO4A.

Inocencio, A. and Associates. 2017. Conduct of an End of CHARMP 2 Project Evaluation Study and Results and Impact Management System (RIMS) Study: Draft Final Report submitted to the DA-CAR. (Aug.).

Inocencio, A. and Associates. 2017. Conduct of an End of CHARMP 2 Project Evaluation Study and Results and Impact Management System (RIMS) Study: Mid-term Report submitted to the DA-CAR. (June).

Inocencio, A. and Associates. 2017. Manual for CHARMP 2 (Cordillera Highland Agricultural Resource Management Project Ph 2) Field Survey for Project Evaluation and Results and Impact Management System (RIMS) Study. Submitted to the DA-CAR. (May).

Inocencio, A. and Associates. 2017. Primary Data Collection for the Assessment of the Bottom-up Budgeting Program: Alleviating Poverty and Strengthening Social Capital. Final Report submitted to PIDS. (June).

Inocencio, A. and Associates. 2017. Manual for Field Surveys of households, CSOs and LGUs for the Assessment of the Bottom-up Budgeting (BUB) Program: Alleviating Poverty and Strengthening Social Capital. Final Report submitted to PIDS. (June).

National Engineering Center under the National Hydraulic research Center (with **A. Inocencio**). 2016. Review and Value Engineering Study of the Flood Risk Management Project for Cagayan de Oro River. Final Report Submitted to the Department of Public Works and Highways (DPWH), Manila City: DPWH. (August).

Ponce, Eliseo, Rex Cruz, Maria Victoria Espaldon, **Arlene Inocencio** & Regional Experts. 2016. Landscape Planning in Agriculture Development and the Yolanda Regions Strategic Planning. Report submitted to the Department of Agriculture Department of Agriculture (DA) Systems Wide Climate Change Office, Quezon City: DA.

Associates and **A. Inocencio**. 2016. Strengthening Implementation of Adaptation and Mitigation Initiatives in Agriculture (AMIA) –Project 1. Final Consolidated Report submitted to the Department of Agriculture (DA) Systems Wide Climate Change Office, Quezon City: DA.

Clemente, R., **A. Inocencio**, A. Fajardo, V. Ballaran Jr., J.C. Ureta. 2016. Technical and institutional evaluation of selected national irrigation systems (NIS) in Luzon, Philippines. Final Report submitted to the Philippine Institute for Development Studies (PIDS). Makati City:PIDS.

Inocencio, Arlene, Carl Ureta, Alex Baulita and Arman Baulita (with R. Clemente, R. Luyun and D. Elazegui). 2015. Technical and Institutional Evaluation of Selected NIS and CIS in Luzon: An Integrative Chapter. Final Report to the Philippine Institute for Development Studies (PIDS), Makati City. (November).

Nguyen, Miriam R., A. C. Rola, D. D. Elazegui, **A. B. Inocencio**, C. A. Alvarez, and A. C. C. Rola. 2015. Increasing Farmers' Access to Irrigation Water. Final Report submitted to the Philippine Institute for Development Studies (PIDS). Makati City, PIDS.

Inocencio, Arlene. 2015. Multi-Method Survey of Extreme Poor in the Philippines: Key Observations, Conclusions and Recommendations for the Agriculture Sector Poor. Report Submitted to the OIDCI for a study commissioned by the World Bank (December).

Arlene B. Inocencio

Associates and **Inocencio, A.** 2015. Impact Assessment of the National Greening Program of the Department of Environment and Natural Resources: Economic Component. Final Report submitted to the Philippine Institute for Development Studies, Makati City:PIDIS. (December).

NHRC (with **A. Inocencio**). 2015. Reliability and Project Cost Analyses of NIA's Proposed Balog-Balog Multipurpose Dam Project and TWEDCO's Proposed Balog-Balog Multiple Dam Project. Final Report Submitted to the National Irrigation Administration, Quezon City:NIA. (August).

Manalang, A.B., R. Glorioso, **A. Inocencio**, M. Tiongco. 2015. Viability Review of the Caticlan Airport Development Project (Rapid Review and Update of Caticlan Airport Feasibility Study). Report submitted to San Miguel Holding Corporation, Mandaluyong City:SMCHC. (September).

Cororaton, C., **A. Inocencio**, M. Tiongco, A.Manalang. 2015. Quantifying the Potential Economic and poverty Effects of the National Greening Program: A Computable General Equilibrium Approach. Final Report submitted to the Philippine Institute for Development Studies, Makati City:PIDIS. (August).

Inocencio, A. and Associates. 2015. Strengthening Governance of Irrigation in the Philippines – Phase 2: Technical and Institutional Evaluation of Selected NIS and CIS and Characterization of Irrigation Sector Governance Structure, Cycle 1 Progress Report. (April).

Associates and **Inocencio, A.** 2015. Impact Assessment of the National Greening Program of the Department of Environment and Natural Resources – Scoping and Process Evaluation Report. (April).

Cororaton, C., **Inocencio, A.**, Manalang, A. and Tiongco.M. 2014. A Conceptual Framework for Estimating the Impact of Climatic Uncertainty and Shocks on Land Use, Food Production, and Poverty in the Philippines. Draft paper. Manila:DLSU.

Inocencio, A., Tiongco, M., Yoshinaga,K. 2014 Irrigators Associations in Management, Operation and Maintenance Public-Private Partnership: From Fallacy to Option. Draft paper. Manila: DLSU.

Cablayan, O., **Inocencio, A.**, Francisco, C. and Saw, V. together with Ureta, C. 2014. Review of national irrigation service fee policy. Report submitted to PIDP, NIA (June), Quezon City, Philippines.

Rosales, R., ..., **Inocencio, A.**, Ureta, C., Luna, Ma. P. and Lasmarias, N. 2013. Sustainable Financing of Protected Areas -- Establishing Payment for Ecosystem Services (PES) for Mts. Banahaw, Kalatungan and Malindang. Final Report to PAWB-DENR (December), Quezon City, Philippines.

David, C., **Inocencio, A.**, Briones, R together with G. Tabios, T. Moya, M. delos Reyes, M. Duka, A. dela Cruz. 2013. A Rapid Appraisal of the Irrigation Program of the Philippine Government. Final report to the Philippine Institute for Development Studies (November), Makati, Philippines.

Benabderazik, H. and **Inocencio, A.** 2013. Public Private Partnership (PPP) Options for Irrigation Investment in the Philippines final Report to World Bank (June), Manila, Philippines

Briones, Roehlano M., David, Cristina C., Intal, Ponciano Jr. S., Ballesteros, Marife M., **Inocencio, Arlene E.**, Geron, Ma. Piedad S. 2012. Monitoring and Evaluation of Agricultural Policy (MEAP) Indicators Project Philippine Institute for Development Studies Discussion Paper 2012-26 (297 pages), Makati, Philippines

Manalang, A., **Inocencio, A.** and Andrews, M. 2012. Sharing Responsibility for A Sustainable Development of Watershed: Co-Management Approach for the Nueva Viscaya, Magat Watershed in the Philippines. Paper presented at the International Roundtable Conference on Asia Pacific Business Innovation and Technology Management, 7-9 October 2012, Pasay City, Philippines.

Inocencio, A. and I. Makin. 2012. Board Information Paper: Findings and Recommendations from the first Asian Irrigation Forum held in April 2012, Asian Development Bank Headquarters, Mandaluyong, Philippines.

David, C. and **A. Inocencio**. 2012. Irrigation Policy and Performance Indicators in the Philippines. Draft report submitted to the Philippine Institute for Development Studies, Makati Philippines. Revised version 2.

Inocencio, A. 2009. The NARBO Performance Benchmarking: Review of Performance Indicators. Short report submitted to DHV-Indonesia and Asian Development Bank. (April).

Inocencio, A. 2008. Application of the NARBO Performance Benchmarking in Indonesia: Some Key Recommendations. Short report submitted to DHV-Indonesia and Asian Development Bank. (December).

Inocencio, A. 2008. The NARBO Performance Benchmarking Process: Key Lessons from the Seven Indonesian RBO Pilots. Report submitted to DHV-Indonesia and Asian Development Bank. (November).

Arlene B. Inocencio

Inocencio, A. 2008. Lessons from the Balai Besar Wilayah Sungai Citarum Performance Benchmarking and Peer Review. Short report submitted to the Asian Development Bank, Manila, Philippines. (March).

Inocencio, A., I. Makin, W. Arriens and D. von Custodio. 2008. Performance Benchmarking and Peer Review of River Basin Organizations: Lessons Learned from 4 Pilots and Recommendations. Paper presented at the 3rd General Meeting of the Network of Asian River Basin Organizations (NARBO), Solo, Indonesia. (February).

Inocencio, A., L.R. Perera, M. Bonn, T. Naren, C. Sopheak, S. Tiang, U. Channarith, N. Soveng, L. Sokin, S. Serey, E. Sophorn, K. Sinak, A. Noble and T. Shah. 2007. Towards Establishing a System of Monitoring and Evaluation for the Participatory Irrigation Management and Development Program. Paper submitted to AFD (November), Cambodia. Penang, Malaysia: IWMI-SEA. pp57.

Inocencio, A., A. Maruyama, M. Tonosaki, D. Merrey and M. Kikuchi. 2007. *Are irrigation projects in sub-Saharan Africa Prohibitively Expensive? Evidence from new data and insights for future investments.* Colombo, Sri Lanka: IWMI.

Inocencio, A. and P. McCornick. 2007. *Irrigation investments in India in the last three decades: An analysis of economic performance.* Colombo, Sri Lanka: IWMI.

Helped prepare and complete Peer Review Reports on Jasa Tirta II Public Corporation (Indonesia), Mahaweli Authority of Sri Lanka (Sri Lanka), Laguna Lake Development Authority (Philippines), Red River Basin Organization (Vietnam) Performance using the NARBO Performance Benchmarking Framework, 2006-2007.

Prepared Performance Benchmarking (Self-Assessment and Peer Review) Manuals for the Network of Asian River Basin Organizations (NARBO). Submitted to the Asian Development Bank. Penang, Malaysia: IWMI-SEA. (October 2006).

Inocencio, A., M. Kikuchi, D. Merrey, M. Tonosaki, A. Maruyama, I. de Jong, H. Sally, and F. Penning de Vries. 2005. "Lessons from Irrigation Investment Experiences: Cost-reducing and Performance-enhancing Options for sub-Saharan Africa," Project report submitted to the World Bank.

Penning de Vries, F. H. Sally and A. Inocencio. 2005. "Opportunities for Private Sector Participation in Agricultural Water Development and Management," Project report submitted to the African Development Bank. (August)

Prepared the Case Studies Report Volume 1 – Highlights of Findings of Various Project Components. As part of the Collaborative Program between the New Partnership for Africa's Development (NEPAD), the African Development Bank (ADB), the Food and Agriculture Organization of the United Nations (FAO), the International Fund for Agricultural Development (IFAD), the International Water Management Institute (IWMI), and The World Bank (WB) on "Investment In Agricultural Water Management In Sub-Saharan Africa: Diagnosis Of Trends And Opportunities." July 2004. Submitted to the African Development Bank. 74p.

Prepared the Review of Literature Report Volume 1 – Highlights of Findings of Various Project Components. As part of the Collaborative Program between the New Partnership for Africa's Development (NEPAD), the African Development Bank (ADB), the Food and Agriculture Organization of the United Nations (FAO), the International Fund for Agricultural Development (IFAD), the International Water Management Institute (IWMI), and the World Bank (WB) on "Investment In Agricultural Water Management In Sub-Saharan Africa: Diagnosis Of Trends And Opportunities." November 2004. Submitted to The African Development Bank. 69p.

Prepared the Inception Report for the Collaborative Program between the New Partnership for Africa's Development (NEPAD), the African Development Bank (ADB), the Food and Agriculture Organization of the United Nations (FAO), the International Fund for Agricultural Development (IFAD), the International Water Management Institute (IWMI), and the World Bank (WB) on "Investment In Agricultural Water Management In Sub-Saharan Africa: Diagnosis Of Trends And Opportunities." January 2004. Project report submitted to the African Development Bank. 357p.

Inocencio, A., I. De Jong, H. Sally, and D. Merrey. 2003. "Irrigation Capital Investment Costs In Sub-Saharan Africa: An Overview Of Issues and Evidence," Project report submitted to the World Bank.

Dufournaud, C. and **A. Inocencio.** 2003. "The Poor, the Smallholder and the Big Economy: An Economy-wide Analysis of Poverty Impacts of Government Policies in South Africa," Pretoria: IWMI-SA.

Inocencio, A. 2001. "Partnerships in Urban Poor Water Supply and Sanitation: The Case of Metro Manila," A report submitted to the Asian Development Bank, Manila, Philippines as part of the ADB project on "Public-Private-Community Partnerships in Urban Services for the Poor" presented at the Regional Workshop "Beyond Boundaries: Urban Services for the Poor," ADB Headquarters, Manila, 20-22 June 2001.

Arlene B. Inocencio

Inocencio, A., C. Dufournaud, and U. Rodriguez. 2001. "Analyzing Tax Reform and the Environment in a Developing Economy Setting: An Applied General Equilibrium Analysis for the Philippines," a paper submitted to the Policy and Development Foundation, Inc., Makati City, Philippines.

Dufournaud, C., M. Jerret, U. Rodriguez, J. Quinn, **A. Inocencio**, J. Harrington. 1999. "Net Cost of Banning Commercial Forestry: An Applied General Equilibrium Analysis for the Philippines," A paper presented at Philippine Institute for Development Studies *Pulong Saliksikan*, (Dec. 13).

Inocencio, A. 1999. "Assessment of the 1998 Achievements of the Estrada Administration in Agriculture and Fisheries Sector," A paper submitted to the Overseas Economic Cooperation Fund (OECF) as part of the Macro Study assessing the overall performance of the Estrada administration. (May).

Inocencio, A., C. David, and F. Largo. 1998. "A Characterization of Commercial and Industrial Water Demand for Metro Cebu," Philippine Institute for Development Studies, Makati City. (June).

David, C., **A. Inocencio**, R. Abracosa, R. Clemente, and G. Tabios. 1998. "Optimal Water Pricing in Metro Manila," A report submitted to the Presidential Task Force on Water Resource Management and Development, Department of Environment and Natural Resources. (March).

Padilla, J. and **A. Inocencio**. 1997. "An Analysis of Water Sector Policies: A Population Perspective," A paper submitted to the Population Commission for the Population Policy Operations Project. (November).

delos Angeles, M., R. Manasan, **A. Inocencio**, D. Ramirez, and C. Rufo. 1997. "An Assessment of Policies to Control Air Pollution from Motor Vehicles in Metro Manila," A paper presented to the Environment and Natural Resources Accounting Project - Phase IV Policy Workshop, Ortigas Center, Pasig City. (September).

Manasan, R., **A. Inocencio**, D. Ramirez, and M. delos Angeles. 1997. "Use of Fuel Tax Differentiation in Vehicular Pollution Control in Metro Manila," a paper presented to the Environment and Natural Resources Accounting Project - Phase IV Policy Workshop, Ortigas Center, Pasig City. (September).

Inocencio, Arlene. 1997. "The Philippine Rice Farmers' Risk Attitude: An Econometric Analysis" Unpublished Ph.D. Dissertation, School of Economics, University of the Philippines. (May).

Inocencio, A. and C. David. 1996. "Willingness to Pay for Improvement in Water Service in Metro Manila: A Contingent Valuation Approach," A paper presented at the Sixth Bi-annual Workshop on Economy and Environment in Southeast Asia, sponsored by the Economy and Environment Program for Southeast Asia (EEPSEA), Singapore. (November).

David, C. and **A. Inocencio**. 1996. "Determinants of Household Demand for Water in Metro Manila," a paper submitted to EEPSEA, Singapore.

Briones, L. and **A. Baulita**. 1991. "Development of a Technical Assistance Strategy Responsive to Poverty Alleviation," A Study Submitted to the United Nations Development Program (UNDP) for Their 4th Country Programming Process for 1992-1995. (March).

Leadership/Management Training and Short Courses:

- DLSU Lasallian Leadership and Management Development Program (LMDP), DLSU Taft, Manila; March 2011 to 2013.
- 93rd Managers' Course, an "MBA" designed for working executives, Institute for Small-Scale Industries, University of the Philippines, submitted Integrated Plant Study given Distinction, Diliman, Quezon City, 8 May – 2 October 2010
- IWMI Leadership Development Program (a two year program designed to help, motivate, support and stimulate high-potential IWMI staff to achieve a major step in their professional development to benefit both trainee and the Institute), Sri Lanka, March 2005 - February 2007
- Consultative Group on International Agricultural Research (CGIAR) Mentoring Program, Pretoria, South Africa, October 2004 – September 2005
- CGIAR Women's Leadership and Management Course, organized by the CGIAR Gender and Diversity Program, CIAT, Cali, Colombia, June 23-29, 2002
- Environmental Valuation course sponsored by the Swedish International Development Aid (SIDA) through the Environmental Economics Unit, Department of Economics, School of Economics and Commercial Law, Gothenburg University, Gothenburg, Sweden, Nov. 8 - Dec. 9, 2000
- Welfare Economics course sponsored by the Swedish International Development Aid (SIDA) through the Environmental Economics Unit, Department of Economics, School of Economics and Commercial Law, Gothenburg University, Gothenburg, Sweden, Oct. 4 - Nov.7, 2000

Arlene B. Inocencio

- "Macro-Economic Modeling for Climate Planning," a course sponsored by the Energy and Environment Training Program USAID Center for Environment and organized by the Energy Group, Institute of International Education, Boston, USA, April 10-28, 2000
- Micro Impacts of Macroeconomic and Adjustment Policies (MIMAP) "Training on CGE Modeling" sponsored by the International Development Research Center (IDRC), Manila, Philippines, Feb 28-Mar.11, 2000
- "Short Course on Pollution Control for Economists" sponsored by Economy and Environment Program for Southeast Asia (EEPSEA) - International Development Research Center (IDRC), Singapore, Dec. 6-10, 1999
- Course on "Macroeconomic Management: New Methods and Current Policy Issues" sponsored by World Bank Institute and India National Institute of Public Finance and Policy, New Delhi, India, Mar. 16-27, 1999
- Course on "Accounting for Sustainable Economic and Social Development: Methods and Applications for Policy Analysis with Special Reference to Asia" sponsored by the Institute of Social Studies of The Netherlands, Makati City, Philippines, December 7-17, 1998
- Production and Resource Economics courses under the Fulbright Development Program, Department of Applied and Agricultural Economics, University of Minnesota, St. Paul, Minnesota, U.S.A, Feb. 1993 – Jan. 1994

Arden B. Francisco