

NARRATIVE ACCOMPLISHMENT REPORT CY 2011

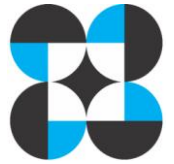
The Regional Health Research and Development Consortium XI (RHRDC XI) carries out the institution development program of the Philippine Council for Health Research and Development (PCHRD) by acting as promoter and coordinator of health research activities in the region. RHRDC XI is composed of twenty-five (25) institutions coming from both government and non-government sectors. The members of the consortium are known to be actively doing health research in the region. RHRDC XI continues to uphold its commitment in promoting and sustaining health research by implementing the various programs and activities outlined in its Strategic Plan CY 2011-2012.

Research Generation

To encourage beginning researchers in the region to conduct health researches, the consortium disseminated a *Call for Proposals* last July 2011 to its member institutions for funding support under the Regional Research Fund (RRF) in CY 2012. The interested proponents were required to submit a capsule proposal focusing on the following four (4) research programs of the consortium, namely; Environment and Climate Change (ECC), Traditional Medicine (TradMed), Maternal and Child Health (MCH) and Infectious Diseases (ID). A total of twenty-nine (29) capsule research proposals were submitted to the consortium (see Annex A). The RHRDC XI Executive Management Committee together with two (2) PCHRD Representatives conducted the preliminary screening on November 15, 2011 at DOST XI Conference Room, Bajada, Davao City. Ten (10) capsule



The Executive Management Committee and PCHRD Representatives during the preliminary screening of capsule research proposals.



research proposals were shortlisted for possible funding by PCHRD/RHRDC XI in 2012. Two (2) other research capsule proposals were also endorsed for possible funding to the Davao Region Industry Energy and Emerging Technology Research and Development Consortium (DRIEERDC), a local R & D consortium organized by the Department of Science and Technology XI (DOST XI) under the Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD). The shortlisted proposals will proceed to the development of full blown proposal for ethical and technical review of the RHRDC XI Ethics Review Committee and Research and Development Committee, respectively.

Database Development/Management

Headed by the Research Information and Utilization Committee (RIUC), a “*Training on the Organization of Health Research Information using Herdin NeON System*” was conducted on March 28, 2011 at the main library of the Davao Medical School Foundation Inc. (DMSFI), Bajada, Davao City. The main objective of the training was to promote collaboration through integration and sharing of health researches using Herdin NeON for easy access to research information.



During the hands-on training on Herdin NeON.

The three manpower resources needed to install and utilize the Herdin NeON were the participants of the training. A total of twenty-seven (27) participants came from five (5) universities/academe and four (4) hospitals. They were the Research Director/ Research Coordinator, IT Specialist and Librarian of the participating institutions.

The resource speakers of the training were the faculty members of the Davao Medical School Foundation, Inc. (DMSFI) who were previously trained by PCHRD on the use of Herdin NeON. They were Mr. Ruperto Hector A. Lindo – Biostatistician; Dr. Rodolfo B.

Mariano II – Head of the Publication Office; Mr. Dranreb L. Amigable – Web Administrator; and Ms. Luz C. Broca – Librarian. A hands-on course was held as part of the training. Each participant was given a journal, a thesis and abstracts to encode in the Herdin NeON. The Herdin NeON filled up with research information was the output of the activity.

Dr. Victoria T. Lupase, Chairman of the RIUC of RHRDC XI, hoped to produce a significant output after the training. It is expected that the participating institutions will install the Herdin NeON in their respective websites and link it to different institutions of Davao Region. Through the installation of Herdin NeON, access to health research in Region XI is made simple and easy. Ms. Elsie Mae A. Solidum, the ARD-TSD of DOST XI, informed the participants that DOST XI will continue to support the research and development efforts of RHRDC in Region XI.



The participants of the Herdin NeON training with the resource speakers from the Davao Medical School Foundation

Research Results Dissemination/Utilization

A “Seminar-workshop on Health Research Management” was conducted on November 8-9, 2011 at the DMSFI-MTRC, Bajada, Davao City under the auspices of the Human Resource Development Committee (HRDC) of RHRDC XI. The seminar-workshop was participated by the Research Managers, Research Directors and Coordinators of various institutional partners from the academe and health institutions. The speaker for this activity was Dr. Gemiliano D. Aligui, the Former Executive Director of PCHRD and Salamat Dok’s Herb Expert of ABS-CBN.



Dr. Gemiliano D. Aligui, speaker of the Health Research Management Seminar-workshop

The seminar-workshop was actively participated by thirty-six (36) participants from various institutions. The goal of the training was to identify key issues and challenges in health research management and to help develop a framework and strategy for capability and capacity building in health research management.

A workshop activity was conducted on the first day to let the participants identify the various problems they encountered in managing health research on their respective institutions. It was found out that Research Managers/Directors have common difficulties in research like lack of motivation, lack of time/teaching loads hinder faculty to do research, lack of expertise in the research area, lack of knowledge about publication process and migration of local researchers. In the institutional level, common problems such as poor emphasis on health research in the research agenda of academic institutions, research format is always changing, lack of research facilities, lack of incentives for faculty to do research and limited research funds/lack of budget allocation were identified. On the second day, Dr. Aligui presented the possible solutions to the identified problems.



The participants of the Health Research Management Seminar-workshop.



1st Health R&D Expo

With the consortium's goal to further disseminate the completed health researches in the region and to bring together local health researchers, young and old, the RHRDC XI conducted the **1st Health R&D Expo** last November 17-19, 2011 at the NCCC Mall Activity Center, Davao City. It was a simultaneous activity with the Regional Invention Contest and Exhibits (RICE) 2011 which was organized by DOST XI and Technology Application and Promotion Institute (TAPI). The 3-day activity aims to provide opportunity for researchers and institutions to showcase their health research results and provide the venue for educating the public on the completed health researches, thus increasing their appreciation on the value and impact of health research to the community.

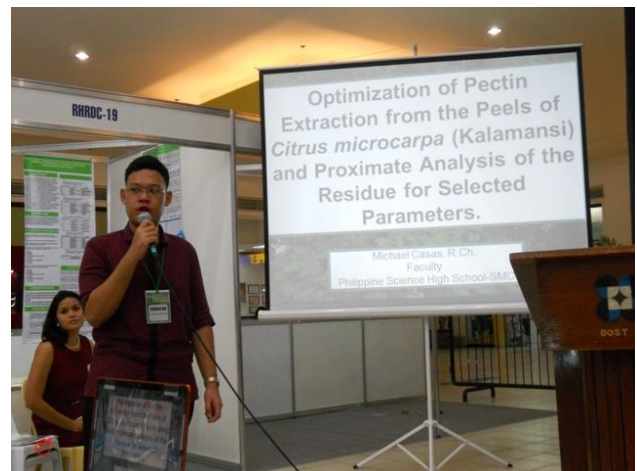
In line with the event, a health research competition, poster exhibit contest and health product exhibit contest were held during the duration of the expo. Qualifying research should address regional health concerns, implemented by a consortium member institution and conducted and completed within 2008-2011. There were three (3) categories namely high school, undergraduate and graduate/creative research categories.



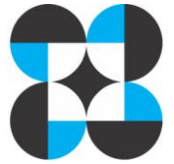
Poster Exhibit Competition



Product Exhibit Competition



Oral Health Research Competition



The judges of the expo were Dr. Warlito C. Vicente – Chairman of RHRDC XI, Dr. Bernadette I. Del Rosario – member of the Ethics Review Committee, Dr. Vegloure M. Maguinsay – Convenor of the Infectious Disease Research Program and Prof. Reynaldo O. Cuizon – member of the Research and Development Committee. The 3rd placer, 2nd placer, Best Research, Best Poster and Best Product were awarded at the end of the activity (see Annex B for the complete list of winners).

The 1st Health R&D Expo which started this year will be held every year to showcase the health researches of the Davao Region.

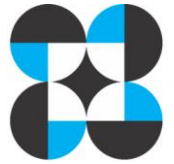
Website Updating

Among the 17 RHRDCs in the country, RHRDC XI got the 2nd place in website updating in 2011. The website served as a tool for disseminating/posting the upcoming activities, trainings/seminars conducted by the consortium and other downloadable information. The PCHRD regularly monitor the RHRDC sites by coming up with a monthly summary of inactive and active websites of RHRDCs.

Review of Research Proposals

Last April 1, the Ethics Review Committee deliberated on one of the two Mindanao-wide research proposals on Maternal and Child Health entitled “*Harmonizing Evidence – Based Protocols in Maternal and Neonatal Care In Three Pre-Service Academic Programs of Selected Institutions in Mindanao*”. This proposal was reviewed last July 8, 2010 and was approved, pending compliance to the requirements of the committee. After the second review and compliance to the requirements, the proposal was finally approved and endorsed to PCHRD for the technical review.

Another proposal entitled “*Antimicrobial Activity of Panyawan (Tinospora rumphii Boerl) Extract as Potential Antiseptic*” was reviewed by the Ethics Review and Research and Development Committees last August 26, 2011. The objective of this research study is to produce an antiseptic utilizing the extract of Panyawan (*Tinospora rumphii Boerl*), a herbal



plant endemic in the Philippines. After the ethical and technical reviews, the committees decided to resubmit the proposal and focus on only one or two phases of the study.

Two other research proposals submitted by the members of the consortium have gone through preliminary screening of the Executive Management Committee. These are:

1. *Cultural Practices of Matigsalog Tribe: Basis for Community Based Forest Management Policy Analysis* (Prof. Reynaldo O. Cuizon, University of the Immaculate Conception)
2. *Health Seeking Behavior of Women and Children in Mt. Diwalwal Gold Rush Area, Monkayo, Compostela Valley Province* (Ms. Grace P. Moralde, Department of Environment and Natural Resources XI).

These two proposals will be reviewed by the Ethics Review Committee and Research and Development Committee once requirements/suggestions are complied and full-blown proposals conformed to the new checklist and forms.

Implementation of Research Projects

Three (3) of the four (4) research proposals funded by the Philippine Council for Health Research and Development last 2009 were completed and submitted to RHRDC XI. These are:

1. *Once Daily versus Weekly School Based Directly Observed Supplementation of Ferrous Sulfate Tablet in Iron Deficiency Anemia: A Randomized Clinical Trial* (Dr. Chanda Rivas-Uy, Davao Medical Center)
2. *Antimicrobial Properties of Tamanu oil* (Dr. Warlito C. Vicente)
3. *Women's Health in Selected Banana Plantations in Davao City: A Comparative Analysis* (Mr. Ruperto Hector A. Lindo, et.al)

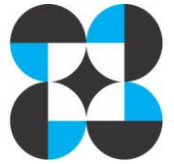


This year, the consortium received the funding assistance from PCHRD under its Regional Research Fund (RRF) Initiative program for the seven (7) Traditional Medicine researches which were submitted and reviewed during the 4th Quarter of 2010. These researches are already completed and submitted to RHRDC XI:

1. Comparative Study of the Effects of Malunggay (*Moringa oleifera*) Capsule and Simvastatin on the Lipid Profile of Rabbits (*Oryctolagus cuniculus*)
2. Acute Toxicity Dose of Chayote (*Sechium edule*) Leaf Extract in Mice and Effective Dose (ED50) in Lowering Uric Acid in Pyrazinamide -induced Hyperuricemia in Rabbits
3. Acute Toxicity of *Phyllanthus niruri* Extract using LD50 and its Effect on the Serum Alanine Aminotransferase Level of Acetaminophen-induced Liver Damage in Rabbits
4. A Prospective Randomized Double-blind Controlled Trial of the Effect of *Centella asiatica* Cream and Silver Sulfadiazine on Acute Superficial Wounds of Patients at Southern Philippines Medical Center
5. Effect of Chinese Hibiscus (*Hibiscus rosa-sinensis*) Extract on the Number of Revertant Colonies of *Salmonella typhimurium* TA 98 and 100 Against Mitomycin C using Modified AMES Salmonella Mutagenicity Test
6. Comparative Study on the Antioxidant Capacity of Fresh Sargassum Water and Ethanol Extract Decoction Preparation Using ABTS (2,2'-Azinobis 3-Ethyl Benzothiazine-6-Sulfonic Acid) Radical Cation Decolorization Assay"
7. Acute Toxicity and Approximate Effective Dose of Calabash (*Crescentia cujete*) Decoction as a Hypoglycemic Agent in Alloxan-induced Rabbits

Resource Mobilization

The RHRDC XI participated during the launching of Ovicidal/Larvicidal (OL) Trap Roll-out, a program spearheaded by the DOST and Industrial Technology Development Institute (ITDI)



to address the increasing number of dengue-related case nationwide. Inputs by Dr. Vegloure M. Maguinsay, Convenor of the Infectious Disease Technical Working Group were solicited during the finalization of the protocol. The consortium was represented by Dr. Anthony C. Sales, Co-chair of RHRDC XI during the OL Trap launching in Pinnacle Hotel, Davao City and in Digos, Davao del Sur last May 2011.

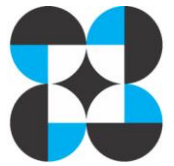
The consortium also participated during the ASEAN Dengue Day Launching at Jose Bastida Elementary School, Davao City last June 15, 2011. The launching was organized by the Center for Health Development- Davao Region (CHD-DR) with the theme “*Eskwelahan, Simbahan, Barangay, Palengke, at Buong Komunidad, Sama-sama Nating Sugpuin ang Dengue*”. The consortium participated in the motorcade activity, launching of 4S campaign against dengue and visitation of classrooms which were provided with medicated curtains by CHD-DR.

Last August 5, 2011, the RHRDC XI Executive Management Committee was invited by the Hydrology for Environment, Life and Policy (HELP) – Davao Network to provide inputs on a study conducted by the Interns from London School of Hygiene and Tropical Medicine (LSHTM) entitled “*A Survey on Hygiene and Sanitation at Guilon, Marilog, Davao City and Iligan, Impasug-Ong, Bukidnon*” conducted last July 21-29, 2011”. The members of the committee gave their recommendations for the improvement of the study.



From L-R (Mr. Declan Hearne – Consultant of HELP Davao, Ms. Hydie Maspías – member of HELP Davao , Mr. Alexander Haasis and Iain McLellan from LSHTM, Dr. Anthony C. Sales-Regional Director of DOST XI, Dr. Warlito C. Vicente – Chairman of RHRDC XI, Ms. Liza Suan – CHED XI, Ms. Melanie Joaquin – DMSFI, Dr. Victoria T. Lupase – DMSFI and Ms. Marife Anunciado – HELP Davao Network.

A benchmarking activity with the Caraga Health Research and Development Consortium (CHRDC) was conducted last November 25, 2011 at the DOST XI Conference Room, Davao



City. The consortium was represented by Dr. Warlito C. Vicente – Chairman of RHRDC XI, Dr. Ma. Eva C. San Juan – Board Member and Chairman of ERC, Dr. Bernadette I. Del Rosario – member of ERC, Ms. Mercelee P. Perez – member of R&D Committee. The activity was also graced by ARD Eduardo P. Tesorero of DOST XI. RHRDC XI made a presentation on the manual of operations, flow chart/process of reviewing proposals and the 3-year accomplishment report of the consortium. After the said presentation, Dr. Vicente shared some of the best practices of the consortium which can be integrated to the future plans and programs of CHRDC.



Members of the CHRDC and RHRDC XI

Governance/ Management of RHRDC Activities

Planning Workshop

Simultaneous planning workshops were done by the four committees of the RHRDC XI namely Ethics Review, Research and Development, Human Resource Development and Research Information and Utilization last January. Each committee set their goals for the year and developed their respective plans on how to achieve such goals. They made sure that all the activities are harmonized and aligned with the consortium's objective which is to strengthen the health research of Region XI. After the planning sessions, committee activities were consolidated and an operational plan of the consortium was produced and submitted to PCHRD for possible funding.

Guidelines and Flow Chart for Research Proposal Review

To have a systematic and more organized way of processing research proposals for funding, the Ethics Review and Research and Development Committees conducted a joint meeting last January 28, 2011 at MTRC, Bajada, Davao City to finalize the guidelines in submitting

research proposals and develop a flow chart for research proposal review (see Annex C). During the joint committee meeting, it was agreed that all proposals must conform and be tailored after the newly approved format before proceeding to the ethical and technical review. The two committees also set the quarterly cycle of submission of research proposals. The said dates will be harmonized to the schedule of universities and colleges.

Expansion of RHRDC XI Membership

As part of the activity of the Human Resource Development Committee which is the expansion of RHRDC XI membership, invitation letters were sent to medical institutions and hospitals in Davao Region to be members of the consortium. A letter of intent together with their institutional profile /brochure will be submitted to the consortium for approval of the RHRDC XI members.

Best Mentor in Health Research Award

The consortium facilitated the Philippine National Health Research System (PNHRS) Search for Best Mentor in Health Research Award. Extensive dissemination of information was done and the consortium was able to facilitate the submission of nomination for Dr. Marleonie M. Bauyot of San Pedro College, Prof. Milton Norman Medina of Compostela Valley and Ms. Ma. Dyna Petilona of Brokenshire College to the PNHRS Search for Best Mentor in Health Research Award. Dr. Anthony C. Sales served as Chair of the committee tasked to evaluate nominees from Mindanao.

5TH PNHRS Week Celebration



The consortium also participated in the 5th Philippine National Health Research System (PNHRS) Week celebration at L'Fisher Hotel, Bacolod City last August 10-12, 2011. The said celebration was attended by Dr. Warlito C. Vicente – Chairman of RHRDC XI, Dr. Anthony C. Sales – Regional Coordinator and Co-chair, Dr. Victoria T. Lupase – Chairman of RIU Committee, Dr. Melinda C. Tagle – presenter for the Inter-regional Research Paper Competition and Ms. Sittie Jebrailyn Amilhasan – a student from DMSFI and presenter for the research poster exhibit contest. Ms. Amilhasan brought home the First Place with their study entitled "*Acute Toxicity*

The winning poster of Ms. Amilhasan during the 5th PNHRS Week Celebration at Bacolod City.



Dose in Mice and Effective Dose (ED50) of Calabash (Crescentia cujete) Fruit Decoction as a Hypoglycemic Agent in Alloxan-induced Hyperglycemic Rabbits". It was chosen among the eleven entries from the various regions. Dr. Anthony C. Sales also gave a comprehensive presentation on the perspective of Davao Region region on funding the National Unified Health Research Agenda (NUHRA) which was drafted during the activity. The celebration was participated by more than 400 health research stakeholders nationwide.

PCHRD-Gruppo Medica Award

Students from San Pedro College (SPC) also made it to the top 5 finalists for 2011 PCHRD-Gruppo Medica Award with their study entitled "*The Blood Sugar Lowering Activity of the Anthocyanin Fraction of Ipomoea batatas (Sweet Potato) Leaves as Tea preparation*" by Alfante, Quicel P., Capidos, Kyara G., Catayas, Judelyn, Espada, Ruffa Jehn F., Huete, Janssen Irene B., Mirafuentes, Carmeline S., Pechon, Eunice Ney, Suarez, Dexter Ryan C., and Villarosa, Heren Hope S. The PCHRD-Gruppo Medica Award gives recognition to relevant and innovative research work on herbal medicine undertaken by undergraduate students.

RHRDC Project Staff Orientation

Two RHRDC XI Staff, Mayan Jane J. Inni – Support Staff from DOST XI and Leah G. Mayol – Project Staff of RHRDC XI attended the RHRDC Project Staff Orientation last October 6-7, 2011 at the DOST Executive Lounge, Bicutan, Taguig City. The activity aims to ensure alignment of RHRDC's operations/activities to the over-all vision and strategy of the PCHRD's institutional development programs for the PNHRS, as well as improve coordination of activities between RHRDC Project Staff/Coordinators (RPS) and PCHRD Regional Program Officers (RPOs). Sixteen (16) regions were represented during the orientation. The highlights of



RHRDC Project Staff with PCHRD Officials and Staff



the orientation, such as the PCHRD research priorities, administration of research projects and report submission were also presented to the members of the consortium during the subsequent meetings.

Outstanding Health Research Award

The consortium also assisted in the dissemination of guidelines and call for nominations for 2012 Outstanding Health Research Award (OHRA). Guidelines were distributed to schools and hospitals and were published in newspapers and website.

Passage of PNHRS Bill

The consortium also sought the support of lawmakers in Region XI for the passage of the Philippine National Health Research System (PNHRS) Bill filed in the 15th Congress. The Bill will institutionalize the PNHRS as a framework for cooperation and will provide a stable fund source to support health research. It will also enable the health and allied societies to contribute to research-based solutions to pressing health problems in the country. During the project staff orientation held last October 6-7, 2011, it was announced that some Congressmen including Region XI Hon. Cong. Maria Carmen Z. Apsay of Compostela Valley Province already showed support through endorsement of the PNHRS bill.

Conduct of visit for Drug Discovery and Development Program

The PCHRD identified drug discovery and development among its priority program areas for 2012 and beyond. The consortium assisted the PCHRD in the coordination and conduct of visit in selected institutions in the region last May and October 2011. The schools that were visited were University of the Philippines-Mindanao, University of Immaculate Concepcion, Brokenshire College and San Pedro College. This activity is an initial step to identifying one extraction centers (one each in Luzon, Visayas and Mindanao) where researchers from various institutions in the area could utilize the facilities in obtaining the crude and purified extracts from the potential drug source and determine its biological activities and properties. The extraction centers will be established in institutions which will be selected based on capacity and track record in R&D activities.



General Assembly/Christmas Party

The RHRDC XI held its General Assembly/Christmas Party last December 15, 2011 at the Grand Men Seng Hotel, Magallanes, Davao City. The General Assembly is an annual event where all RHRDC XI members are enjoined together to discuss and evaluate the accomplishments of the consortium through its various committees. Various resolutions



passed by the RHRDC XI Executive Committee were also presented for information among all the members. Partners from PCHRD, Ms. Carina I. Rebulanan – Chief of the Institutional Development Division (IDD) and Ms. Lucila E. Roja - Regional Program Officer of RHRDC XI were also present during the activity. Ms. Rebulanan of PCHRD presented the Role and Thrust of PCHRD in RHRDCs, Functions of the RHRDCs, the Regional Research Fund (RRF) Initiative and PCHRD Research Priorities for 2011-2016. Dr. Vicente also acknowledged the remarkable support of its existing members for the whole year.

Meetings

Apart from the trainings and activities implemented by the consortium, committee meetings were also conducted to sustain the consortium's operations:

- | | | |
|------------------|---|---|
| March 3, 2011 | - | RIUC Meeting |
| March 25, 2011 | - | Executive Management Committee Meeting |
| May 16, 2011 | - | Executive Management Committee Meeting with PCHRD Representatives |
| July 7, 2011 | - | RIUC Meeting |
| October 11, 2011 | - | Board of Director's Meeting with PCHRD |

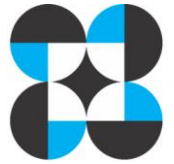
Resolutions

The following are the resolutions passed by the RHRDC XI for CY 2011:



REGIONAL HEALTH RESEARCH AND DEVELOPMENT CONSORTIUM XI

Secretariat: Department of Science and Technology XI
Corner Friendship and Dumanlas Roads, Bajada, Davao City
Tel No: (082) 221-5971/227-1313 Fax No: (082) 221-5295



1. **Resolution No. 001 S. 2011** - Creation of Board of Directors and Reorganization of the Executive Management Committee
2. **Resolution No. 002 S. 2011** - Revised Guidelines and Forms in Submitting Research Proposal for Possible Funding by the RHRDC XI/PCHRD
3. **Resolution No. 003 S. 2011** - Decision of the Executive Management Committee on the Capsule Proposal Entitled "*Cultural Practices of Matigsalog Tribe: Basis for Community Based Forest Management Policy Analysis*"
4. **Resolution No. 004 S. 2011** - New Members of RHRDC XI
5. **Resolution No. 005 S. 2011** - Decision of the Executive Management Committee on the Capsule Research Proposal entitled "*Health Seeking Behavior of Women and Children in Mt. Diwalwal Gold Rush Area, Monkayo, Compostela Valley Province*"
6. **Resolution No. 006 S. 2011** - Decision of the Ethics Review Committee on the Capsule Research Proposal entitled "*Harmonizing Evidence – Based Protocols in Maternal and Neonatal Care in Three Pre - Service Academic Programs of Selected Institutions in Mindanao*"
7. **Resolution No. 007 S. 2011** - Pre-screening of the Capsule Research Proposals by the RHRDC XI Executive Management Committee and PCHRD Representatives (For 2012 Funding)

Prepared by:

LEAH G. MAYOL
RHRDC XI Staff

Approved:

ANTHONY C. SALES, Ph.D.
Regional Coordinator and Co-chair, RHRDC XI

WARLITO C. VICENTE, M.D., FPCS
Chairman, RHRDC XI