

## Curriculum Vitae



**Family name:** BORONGAN  
**First names:** Guilberto  
**Date of birth:** 4 July 1973  
**Passport holder:** Filipino / Resident of Thailand

### Education:

| Institution (Date from - Date to)  | Degree(s) or Diploma(s) obtained       |
|--|--|
| National Institute of Development Administration, Thailand (2017 - 2022) | Ph. D. in Governance and Development   |
| Asian Institute of Technology, Thailand (2006 - 2008)                    | M.S. in Urban Environmental Management |
| Cebu Institute of Technology University, Philippines (1991 - 1996)       | B.S. in Chemical Engineering           |

### Membership of professional bodies:

- Project Management Institute – Member ID: 5772287, USA (2019 – 2020)
- International Scientific Committee (ISC) of the IconSWM – Member, India (2016 -present)
- International Solid Waste Association (ISWA) – Member, Vienna, Austria (2012 – 2019)
- Solid Waste Management Association of the Philippines (SWAPP) – Member, Manila, Philippines (2009 – Present)
- Philippine Institute of Chemical Engineers (PICHE) -Member, Manila, Philippines (1997 – Present)

**Other skills:** Computer Literacy (Microsoft Office Applications), SEM-Amos/SmartPLS, Strata/SPSS, Ultrasonic Testing Device, Universal Testing Machine, Physico-chemico and micro lab analysis.

**Present position:** Director; Head of Waste and Resource Management Cluster at Asian Institute of Technology - Regional Resource Center for Asia and the Pacific (AIT-RRCAP), Thailand; Affiliated Faculty, Urban Innovation and Sustainability Program; Department of Development and Sustainability, School of Environment, Resources and Development, AIT, Thailand

**Years within the firm:** 20 years

### Key qualifications:

- More than 20 years of experience in Policy research and assessment, capacity building, programme/operations management, resource mobilization, networking/partnerships, and knowledge management on sustainable waste and resource management and low carbon and climate resilient for the developing economies of Asia and the Pacific
- 13 years of experience in managing project in the sector of waste and resource management with focus on waste management/3Rs, plastic waste and marine litter, mercury waste as Head of Waste and Resource Management Cluster for Asian Institute of Technology - Regional Resource Center for Asia and the Pacific
- Experience with more than 30 projects in the field of sustainable energy, renewable energy, marine biodiversity and marine conservation, plastic free ocean.

### Professional experience:

| Dates (from-to)  | Location  | Company  | Position  | Description  |
|------------------|---|--|---|--|
| 1/2013 – Present | Thailand based, missions to Philippines, Indonesia, PR China, Lao PDR, Myanmar, Maldives, Malaysia, Mongolia, Tajikistan, Vietnam | Asian Institute of Technology - Regional Resource Centre for Asia and the Pacific (AIT RRC.AP) | Director, AIT RRC.AP<br><br>Head of Waste and Resource Management Cluster<br><br>Affiliated Faculty, Urban Innovation and Sustainability Program; Department of Development and Sustainability, SERD, AIT | Overall management of AIT RRC.AP with focus of the three thematic clusters: air pollution, climate change, and waste and resource management<br><br>Overall coordination of the Waste and Resource Management Cluster of AIT RRC.AP with management of more than 20 projects and studies the sector of Waste management with a focus plastic waste and marine pollution, climate change in ASEAN and Pacific countries including the Philippines<br><br>1. Lead in the implementation of Climate Change Adaptation, in particular, Locally Led Adaptation and Disaster Risk Reduction; Climate Finance Technical Support e.g., GCF Concept Note Development<br>2. Lead in the implementation of capacity development on GCF concept note development for ASEAN, South Asia and the Pacific Small Islands Developing States<br>3. Lead in the implementation of capacity development on National Adaptation Plan development and process in Asia. |

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|-----------------|----------|---------|----------|--|
|                 |          |         |          | <ol style="list-style-type: none"> <li>4. Lead in the implementation of AMUSE-GIZ project in ASEAN.</li> <li>5. Lead in "ASEAN Reduce, Reuse and Recycle to Protect the Marine Environment and Coral Reefs" (3RproMar project) funded by GIZ</li> <li>6. Lead in the implementation of the ERIA funded project titled "Development and dissemination of technical guidelines for plastics and resin pellets leakage prevention from factories and informal recycling sector in the ASEAN".</li> <li>7. Lead in the implementation of the GIZ-ASEAN project titled "Reduce, Reuse, Recycle to protect the Marine Environment and Coral Reefs' 3RproMar"</li> <li>8. Formulation of National Action Plans for ASEAN Member States and Integrated Land-To-Sea Policy Approach (Phase 1) with important focus on climate change mitigation and adaptation (09/2019-02/2020) <ul style="list-style-type: none"> <li>▪ Contributed to the formulation of National Action Plans; scoping exercise in the Philippines (Quezon City)</li> <li>▪ Strengthened Capacity for Marine Debris Reduction in ASEAN Region which including strong climate change component</li> <li>▪ Developed country reports for Indonesia, Cambodia, Myanmar, and Philippines;</li> </ul> </li> <li>9. Promotion of countermeasures against marine plastic litter in Southeast Asia (Cambodia, Lao PDR, Thailand and Vietnam and India (12/2019-05/2020), funded by JICA through UNEP ROAP <ul style="list-style-type: none"> <li>▪ Led in the implementation of the UNEP project "Countermeasures Against Marine Plastic Litter in Southeast Asia" which included key elements of climate change;</li> </ul> </li> <li>10. Managing packaging waste in the ASEAN region – from linear to circular packaging value chains project funded by GIZ (08/2015 -12/2018) <ul style="list-style-type: none"> <li>▪ Led Regional Workshop "Managing Packaging Waste – Preventing Marine Litter ASEAN";</li> <li>▪ Led and conducted desktop study research;</li> <li>▪ Provided factsheet with an overview on legal, economic, social and environmental (incl. climate change) aspects of the production, consumption and after-use management of single-use packaging in the ASEAN region, including the state of Extended Producer Responsibility (EPR) schemes for packaging as well as recommendations for potential policy measures and system enhancements;</li> <li>▪ Elaborated Country profiles for Indonesia, Thailand, Vietnam and the Philippines with key facts and figures concerning the state of waste management, impact on climate change and circular economy in the respective country.</li> </ul> </li> <li>11. Reducing plastic waste and marine litter in East and South East Asia- supporting a transition to a circular economy in the region: Philippines, Indonesia, Thailand, and China funded by GIZ (12/2019-01/2020) <ul style="list-style-type: none"> <li>▪ Conducted a Gender and Human Rights analysis (Desktop study analysis, data collection and analysis, report writing) to develop of project proposal for the above mentioned project.</li> </ul> </li> <li>12. Mercury medical measuring devices in Indonesia and Philippines funded by ASEAN (06/2019 – 12/2021) <ul style="list-style-type: none"> <li>▪ Lead, coordinate the overall operation and execution and provide substantive technical inputs to the Japan ASEAN Integration Fund (JAIF) Project on "Mercury medical measuring devices in Indonesia and Philippines".</li> <li>▪ Carried out similar scoping exercise/mission in Indonesia.</li> </ul> </li> <li>13. Technology Assessment project to promote the application of climate mitigation and low carbon technologies (LCTs);</li> </ol> |

| Dates (from-to) | Location | Company | Position | Description   |
|-----------------|----------|---------|----------|---|
|                 |          |         |          | <ul style="list-style-type: none"> <li>▪ Activities covering 5 assigned countries (Indonesia, Lao PDR, Maldives, Mongolia and Thailand)</li> <li>▪ Led and conducted study research on IGES Technical Assessment Project on Environmental infrastructure (Climate Change mitigation i.e. renewable energy);</li> <li>▪ Conducted market research on low-carbon infrastructure technology</li> <li>▪ Investigated the situation to install environmental equipment to promote renewable energy and energy conservation</li> <li>▪ Desk study on environment and energy policies and analyze political system, policy framework and institutional arrangement</li> </ul>  |
| (cont.)         | (cont.)  | (cont.) | (cont.)  | <ul style="list-style-type: none"> <li>▪ Carried out scoping exercise/mission in the Philippines on application of low carbon technologies: a series of meetings with government agencies, stakeholders and experts working on issues of climate change mitigation and climate finance. These included the Department of Energy (DOE), Department of Environment and Natural Resources (DENR), Department of Finance (DOF), National Economic Development Authority (NEDA), National Electrification Administration (NEA), Development Bank of the Philippines (DBP), Land Bank of the Philippines (LBP), as well as Asian Development Bank (ADB) headquartered in Manila</li> </ul> <p>7. Project Cooperation Agreement with UNEP (04/2016-07/2018), Tajikistan and Mongolia</p> <ul style="list-style-type: none"> <li>▪ Provided support on national and local capacity for waste management through scientific information, national and city waste management strategies, relation to climate change and green economy, pilot demonstrations, and training.</li> </ul> <p>8. Development of Ulaanbaatar (Mongolia) Waste Management Strategy and Action Plan (approved by Governor of UB) (1/2016 – 7/2017)</p> <p>9. Managed the implementation of the Ocean Conservancy Funded project on “Plastic Waste Leakage for Indonesia, Philippines and Vietnam’ (03/2016-09/2016);</p> <ul style="list-style-type: none"> <li>▪ Contributed to the development of the White paper: “The Next Wave-Investment Strategies for Plastic Free Seas”, the Policy &amp; Practices Recommendations have been endorsed in APEC Summit in 2016 in Lima, Peru.</li> <li>▪ This project intended to perform a comprehensive review of the existing broad archetypical waste management contexts (i.e., urban, peri-urban, rural) in Asia and the Pacific countries, in particular, Indonesia, Philippines, and Viet Nam. The assessment included the corresponding technologies or approaches applied, and more importantly the type of financing typically used. The study also conducted consultations aiming at an increased integration of major stakeholders into the decision-making process, including the private/business sector and local communities.</li> <li>▪ Identify investment bottlenecks resulting from economic, political, legal/regulatory, institutional, cultural/social, and governance factors, as well as potential drivers to innovative financing mechanisms.</li> <li>▪ Asses the impacts of various financing mechanisms on the earning and living of the informal sector, as well as integration possibilities of the informal sector into the various financing structures proposed.</li> <li>▪ The findings from the study were expected to recommend enabling conditions of recommendations on policy, coordination, or other strategy options to create more favorable conditions for investment in waste management.</li> </ul> <p>10. UNIDO Partnerships for Action on Green Economy (PAGE) for Industrial Waste Inventory in Mongolia (05-08/2015)</p> |

| Dates (from-to) | Location | Company | Position | Description  |
|-----------------|----------|---------|----------|--|
|                 |          |         |          | <ul style="list-style-type: none"> <li>▪ Undertook industrial waste inventory and to analyze the role of industrial waste management and the recycling industry in;</li> <li>▪ Provided an overview of the national waste management activities and identify the most promising areas of intervention, to build a base for the development of a national waste strategy focusing on climate change mitigation</li> </ul> <p>11. Climate and Clean Air Coalition (CCAC) - Municipal Waste Management Initiative (MSWI) project on Southeast Asian cities. Technical Assistance Frameworks for Quezon City, Philippines: "Implementing On-the-ground Action With Cities and Informing the Long-term Framework of the Initiative" of the "Mitigating Short-Lived Climate Pollutants (SLCPs) from Landfills and Municipal Solid Waste – Cities Reducing Emissions Through Improved Waste Management" Initiative of the CCAC to Reduce SLCPs. (06/2014 – 09/2015)</p> <p><u>Overall objective:</u> to scale up the number of participating cities undertaking waste management actions, which will significantly reduce SLCP emissions</p> <p><u>Specific objectives:</u> undertaking city waste assessments, building capacity and awareness raising on CCAC-MSWI and developing waste management action plans with a strong climate change mitigation component for Quezon City, Philippines; Bangkok, Thailand; Vientiane, Lao PDR; Yangon, Myanmar; Ho Chi Minh City, Vietnam</p> <ul style="list-style-type: none"> <li>▪ Assessments and development of policies to mitigate short-lived climate pollutants (SLCPs).</li> <li>▪ Development of comprehensive action plan for each city;</li> <li>▪ Managed the implementation of waste management action plans and provide technical support</li> <li>▪ Carried out consultation visits/meetings all major government stakeholders including, for the Philippines: Environmental Protection and Waste Management Department (EPWMD) in Quezon City Philippines; National Solid Waste</li> </ul> |
| (cont.)         | (cont.)  | (cont.) | (cont.)  | <p>Management Commission Secretariat (NSWMCs), Environmental Management Bureau, Department of Environment and Natural Resources (DENR) Philippines; International Council for Local Environment Initiatives (ICLEI) Southeast Asia Secretariat-Local Government for Sustainability; Solid Waste Management Association of the Philippines (SWAPP); Basic Environmental Systems and Technologies, Inc.; Quezon City Integrated Solid Waste Disposal Facility, Payatas Operations Group; Energy Division, Southeast Asia Department, Asian Development Bank.</p> <p>12. Pilot project/ Cooperation Agreement on Waste Management in Mongolia (02-06/2017)</p> <ul style="list-style-type: none"> <li>▪ On-site supervision of Sanitation Facility set up (wastewater treatment plant) in the Gorkhi-Terelj National Park</li> <li>▪ Led, planned and coordinated the implementation of the project</li> </ul> <p>13. Managed and conducted the training programme "Achieving International Climate Change Commitments in the Waste Sector in Bhutan, Mongolia, and Nepal (2017)</p> <p>14. OECD Project on Best Available Techniques (BAT) for Preventing and Controlling Industrial Chemical Pollution in Asia focusing on China</p> <ul style="list-style-type: none"> <li>▪ Conducted consultation visits and surveys and compiled information on policies and practices that embody BAT or similar concepts across the world to prevent or control pollution.</li> </ul> <p>15. ASEAN End-of-Life Vehicle (ELV) Recycling project, funded by ERIA (02-09/2015)</p> <ul style="list-style-type: none"> <li>▪ Conducted survey in ASEAN countries on ELV recycling systems for ELV recycling and used parts that</li> </ul>  |

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|------------------------------|-----------------------|-------------------------------------|--|---|
|                              |                       |                                     |  | <p>have flowed in ASEAN, the survey focused on Indonesia and Malaysia.</p> <ul style="list-style-type: none"> <li>Provided considerations and recommendations were given to facilitate automobile recycling system in ASEAN countries focusing on support for building the system, technical cooperation, and collective knowledge; concrete institutional system building (the scope of target, policy orientation, schedule, measures and structures, etc.) and challenges, considering the current status of each country and potential challenges</li> <li>Managed and provided support; Organized two high level meetings on ELV recycling</li> </ul> <p>16. Regional Forum on Climate Change: "Low Carbon and Climate Resilient Societies: Bridging Science, Practice and Policy" (03-07/2015)</p> <ul style="list-style-type: none"> <li>Supported the organization of the Regional Forum on Climate Change (RFCC) jointly with French Ministry of Foreign Affairs and International Development, ASEAN Secretariat, and the European Union with aim to enhance communication among the gamut of stakeholders, primarily among ASEAN countries.</li> <li>Supported the creation of a platform for engaging a variety of stakeholders from the ASEAN region in discussions on climate change related agenda in order to ease the translation of science into practice and policy; Allow negotiators, policy makers and high-level advisers from ASEAN to benefit from the results of contemporary scientific research to carve climate-change related policies in the long term, as well as to offer ASEAN negotiators a venue to build positions of increased ambition prior to the COP 21.</li> </ul> <p>17. Project on Climate Change Adaptation funded by UNEP (06-11/2016)</p> <ul style="list-style-type: none"> <li>Supported the organization of the Fourth and Fifth Asia Pacific Adaptation Forum in October 2016 jointly with UNEP, SEI, among other partners</li> </ul> |
| 04/2019–06/2019<br>2 pm      | Thailand (Home Based) | WWF Germany                         | Technical Consultant                               | <ul style="list-style-type: none"> <li>Developed 2-page country profile factsheets on managing Municipal Solid Waste and Packaging Waste for China and Malaysia;</li> <li>Conducted and developed seven (7) country research reports on the status of Extended Producer Responsibility (EPR) for China, Indonesia, Malaysia, Philippines, South Korea, Thailand, and Vietnam;</li> </ul>  |
| 09/2017 - 10/ 2017<br>0.5pm  | Philippines           | WHO Western Pacific Regional Office | Agreement for Performance of Work (APW) Consultant | <ul style="list-style-type: none"> <li>Provided support for the Member States through Consultation on addressing Health Impact of Air Pollution.</li> <li>Identify issues and challenges and share experiences on policies and actions in protecting public health from air pollution</li> <li>Formulate the priority actions to protect human health from air pollution including the development of the Terms of Reference (ToR) on baseline-data on the burdens of disease due to air pollution and a meeting report documenting the process of the meeting, and its discussions, conclusions and recommendations</li> </ul>   |
| 07-09/2016<br>1.5pm          | Philippines           | WHO Western Pacific Regional Office | Short-term consultant                              | <p>Provided technical support to the Health and Environment Unit in the Regional Office</p> <ul style="list-style-type: none"> <li>Preparation for the 4th Ministerial Regional Forum on Environment and Health on 6-8 October 2016, in Manila, Philippines</li> </ul>  |
| 01-02/2016<br>1pm            | Philippines           | WHO Western Pacific Regional Office | APW Consultant                                     | <p>Informal Meeting to Review the Draft Regional Strategy on Health and the Environment for the Western Pacific Region</p> <ul style="list-style-type: none"> <li>Provided support in the preparation of Background documents</li> </ul>  |
| 09-10/2015–30/10/2015<br>2pm | Philippines, Malaysia | WHO Western Pacific Regional Office | Short-term consultant                              | <p>Eighth High Level Officials' Meeting of the Regional Forum on Environment and Health</p> <ul style="list-style-type: none"> <li>Provided support in the preparation of substantive documents; including Concept note for the Scientific Panel, Concept of the Scientific Conference in conjunction with the Fourth Ministerial Meeting, Progress</li> </ul>  |

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|------------------------------|--|--|--|--|
|                              |  |  |  | <p>report of the Regional Forum in accordance with the workplan of the Regional Forum (2014-2016)</p> <ul style="list-style-type: none"> <li>Provided support in terms of improved technical content of the draft report and produce a synthesis report on the status of healthcare waste management in the surveyed countries</li> </ul>  |
| 04-09/2013<br>5.5pm          | Philippines,<br>Indonesia  | WHO Western<br>Pacific<br>Regional Office  | Short-term<br>consultant                                     | <p>Third Ministerial Regional Forum on Environment and Health</p> <ul style="list-style-type: none"> <li>Supported and provided technical advice and strategic inputs to working documents</li> <li>Support in the preparation, conduction and organization of the forum</li> </ul>  |
| 2/2012 –<br>5/2013<br>3pm    | Thailand   | ASEAN  | Programme<br>Officer (Technical<br>Project Support<br>Staff) | <p>National 3R Strategy – capacity building Project</p> <ul style="list-style-type: none"> <li>Conduct research and preliminary studies to review the status of Solid Waste Management problems and to identify the legal and management gaps in 4 selected ASEAN countries (Philippines, Cambodia, Malaysia and Thailand)</li> <li>Conduct of capacity building through workshop in the promotion of 3R and devise the National 3R Strategy and National Action Plan on 3R and waste management.</li> </ul>   |
| 1/2010 –<br>12/2012<br>36 pm | Thailand with<br>missions to<br>PR China,<br>Republic of<br>Korea, Japan | Regional<br>Resource<br>Center for Asia<br>and the Pacific<br>at Asian<br>Institute of<br>Technology | Senior<br>Programme<br>Officer                               | <p>1. Thematic Working Group (TWG) on Solid and Hazardous Waste Secretariat’ – Phase II of the Ministerial Regional Forum of Environment and Health in Southeast and North East Asia (03/2010 – 12/2012) was initiated to address the challenges of the member countries in managing the municipal and medical waste and to strengthen the data, information and knowledge sharing among the member countries, funded by UNEP. As Project Manager of the Waste TWG Secretariat:</p> <ul style="list-style-type: none"> <li>Identify actual implementation scheme/ procedure to realize the recommendation made in the first phase (e.g. utilization of public private partnership in waste management and proper integration of informal sector etc.);</li> <li>Hold workshops to promote activities relevant to the recommendation utilizing the status-quo reports compiled in phase I;</li> <li>Enhance capacity building of policy makers to identify and address waste and health problems by sharing knowledge including best practices in the region.</li> <li>Supported in the preparation and organization of high-level meetings with high-level Officials &amp; TWG;</li> <li>Develop concept notes, agenda, and meeting reports as well as draft declaration; develop opening and closing remarks of UNEP ROAP regional director.</li> </ul> <p>2. Strengthening National Capacities to Formulate and Implement Sustainable Energy Strategies” (2012 – 05/2013)</p> <ul style="list-style-type: none"> <li>Supported the 7 Thematic Working Groups (TWGs) of the Regional Forum on Environment and Health on: Air Quality TWG, Climate Change and Ecosystem TWG, Health Impact Assessment</li> <li>Developed Policy Briefs on Waste and Air Quality, Supported the overall project implementation</li> <li>Professional Development Workshop “Managing Project Preparation for Climate Change Adaptation”, Supported an inter-cluster preparatory work;</li> <li>3rd Ministerial Regional Forum : Developed substantive technical documents and finalized the Agenda, worked closely and coordinated with the host Government of Kuala Lumpur and the Regional Forum member countries/TWGs/partners;</li> <li>Drafted Synthesis Report on Status of Healthcare Waste Management in Western Pacific Region for WHO publication;</li> <li>Finalized the Task Force Report and Report of the Chair and Vice-Chair (Regional Forum) on the sectors of Governance, Partnerships, Impacts and Sustainable</li> </ul> |

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|------------------------------|---|--|----------------------|--|
|                              |   |  |                      | Financial Mechanisms, Consultation with Member States and incorporation of recommendations   |
| 5/2011<br>0.5pm              | Thailand<br>(home based)  | UNEP   | APW Consultant       | <ul style="list-style-type: none"> <li>▪ Contributed with technical inputs to the one-month training of Democratic People's Republic of Korea Officials on Atmospheric Air Pollution under DPRK project of UNEP;</li> </ul>  |
| 06/2008 –<br>12/2009<br>30pm | Thailand,<br>Missions to<br>Cambodia,<br>Philippines,<br>China, Korea,<br>Japan,<br>Germany | Network<br>Support<br>Component,<br>UNEP<br>Regional<br>Resource<br>Center for Asia<br>and the Pacific<br>– a Center for<br>Sustainable<br>Development<br>collaborating<br>with UNEP | Programme<br>Officer | <p>1. Advanced Waste Management in Asia and the Pacific project/ National 3R Project (Cambodia, Malaysia, Thailand and Philippines);</p> <ul style="list-style-type: none"> <li>▪ Assisted governments to devise the National 3R Strategies on solid waste management;</li> <li>▪ Conducted high level meetings, regional workshops and thematic working group meetings related to UNEP-WHO Ministerial Regional Forum on Environment and Health, including 2nd Ministerial Regional Forum on Environment and Health;</li> <li>▪ Managed and contributed with technical inputs to the National 3R Strategy project - Philippine National Framework Plan for the Informal Sector in Solid Waste Management and the draft Thailand National 3R Strategy</li> </ul> <p>2. Strengthening National Capacities to Formulate and Implement Sustainable Energy Strategies</p> <ul style="list-style-type: none"> <li>▪ Led the formulation of Sustainable Energy Strategies</li> <li>▪ Assisted countries in the development of PRODOC on Renewable Energy for GEF funding in coordination with UNEP;</li> </ul> <p>3. Use of Renewable Energy (Biogas) through Adoption of the 3R Approach to Solid Waste Management: integrating Bio-intensive Gardening (04-08/2012)</p> <ul style="list-style-type: none"> <li>▪ Community-based demonstration project (built &amp; deployed 7 biogas digesters in Taeko, Cambodia; and 2 biogas digesters in Philippines); Managed and provided technical support</li> </ul> <p>4. 3R Knowledge Hub (3RKH) project (Phase 2); the 3R Initiative (Reduce, Re-use, Recycle - Principles of circular economy) promotes global action on 3R. In March 2006, Senior Officials Meeting (SOM) on 3R was organized in Japan resulting in strong commitment of governments and other stakeholders to implement 3R at local, national, and regional level. The Asian Development Bank (ADB) approved Technical Assistance for Establishment of Regional Knowledge Hubs (RETA 6295) to establish regional knowledge hubs, one of them was 3RKH.</p> <ul style="list-style-type: none"> <li>▪ Gathered and created 3R knowledge products (assessment reports, case studies, factsheets)</li> <li>▪ Contributed with technical inputs to 3RKH portal on the latest related waste and 3R activities in the region funded by ADB;</li> <li>▪ Coordinated with 14 governments in Asia, international organizations and local institutions in the implementation</li> <li>▪ Supported 3R projects in the Philippines, Malaysia, Cambodia, Thailand with focus on Waste &amp; Environment</li> </ul> <p>5. Thematic Working Group on Solid and Hazardous Waste (TWG Waste) of the Ministerial Regional Forum of Environment and Health in Southeast and North East Asia (focus on Lao PDR, Mongolia, Philippines and Cambodia) on funded by Ministry of the Environment of Japan through Institute of Global Environmental Strategies</p> <ul style="list-style-type: none"> <li>▪ Supported the Secretariat of Thematic Working Group of the Ministerial Regional Forum on Environment and Health</li> <li>▪ Preparation of reports on environmentally sound management of solid wastes, particularly municipal wastes,</li> <li>▪ 3Rs promotion through awareness raising and demonstration projects: Municipal Waste and 3Rs (Reduce, Reuse and Recycle), Health Care Waste</li> </ul> |

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|                            |  |   |                           | <p>Management, Integration of Informal Sector in SWM and Scrap Cloth recycling</p> <ul style="list-style-type: none"> <li>▪ Provided capacity building : 5-day training on Health Care Waste Management; Training workshop in Manila, Philippines; 3 days training on Health Care Waste Management in Mongolia;</li> </ul> <p>6. Analysis of options for the environmentally sound management of surplus Mercury in Asia and the Pacific</p> <ul style="list-style-type: none"> <li>▪ Co-authored and contributed to the report</li> </ul> <p>7. Third International Children's Environmental Health Conference (06/2009)</p> <ul style="list-style-type: none"> <li>▪ Assisted in the organization</li> </ul>  |
| 05/2003<br>07/2006<br>36pm | – Thailand                             | Institute for Global Environmental Strategies (IGES) – Bangkok Office             | Research Assistant        | <ul style="list-style-type: none"> <li>▪ Assisted in organization and implementation of conferences and workshops e.g. IGES Symposium, SANDEE's 12th Biannual Research and Training Workshop;</li> <li>▪ Liaised with partner organisations relating to Research on Innovative and Strategic Policy Options (RISPO) under the framework of Asia-Pacific Environmental Innovation Strategy project (APEIS);</li> <li>▪ Coordinated with governments, IGES Headquarters, RRC.AP and other international organizations;</li> <li>▪ Conducted other works including administrative work as assigned by the IGES Project Office in Bangkok Representative or IGES Headquarters;</li> <li>▪ Developed and Maintained IGES database directory of network partners.</li> <li>▪ Assisted in the implementation of the following assignments: <ul style="list-style-type: none"> <li>- Policy Frameworks and Institutional Capacities in Thailand for Enhancing Environmental Quality in the Regional Economic Integration Processes;</li> <li>- "Improving Environmental Performance of Small and Medium Enterprises (SMEs)";</li> <li>- National and Subregional Environmental Performance Assessment and Strategic Environment Framework in the Greater Mekong subregion (SEF II) included a strong climate change mitigation &amp; adaptation component;</li> <li>- Tripartite Environment Minister's Meeting (TEMM): Assisted in the preparation of Priority Paper on Sustainable Development for North-East Asia IGES- RRC.AP cooperation agreement;</li> <li>- IGES RISPO project; Assisted and reviewed on the research of Good Practices Inventory of SMEs in Asia;</li> </ul> </li> </ul> |
| 10/2000<br>12/2002<br>27pm | – Thailand, mission to the Philippines | Asia Europe Environmental Technology Centre under Asia-Europe Meeting (ASEM) / EU | Assistant to the Director | <ul style="list-style-type: none"> <li>▪ Assisted in the organisation of the 1st ASEM International Forum on Sustainable Management of Megacities in Manila;</li> <li>▪ Collected, analysed, and reported the applicability of appropriate environmental and climate friendly technologies for Asia and Europe e.g. Atmospheric Inventory in Europe –UNECE;</li> <li>▪ Set up a structure for environmental technology characterization as a basis for technology transfer;</li> <li>▪ Prepared protocol and working documents for PPGG meetings and Asia-Europe Meeting (ASEM) Senior Officials Meetings;</li> <li>▪ Prepared financial reports to European Commission and to ASEM country specific reports (e.g. United Kingdom, Finland and the Netherlands); prepared documents and necessary reports for annual auditing;</li> <li>▪ Oversees logistical operations for project/programme related activities.</li> </ul>   |
| 06/1999<br>09/2000         | – Philippines                          | Cebu Institute of Technology  | Faculty Member            | <ul style="list-style-type: none"> <li>▪ Taught Mathematics, Chemistry, Physics, Chemical Engineering Elective and Engineering Materials subjects</li> <li>▪ Guided Chemical Engineering students on field trips and apprenticeship.</li> </ul>   |

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|-------------------|-------------|---------------------|----------|---|
| 01/1997 – 12/1998 | Philippines | Various Corporation | Engineer | Supervision of various goods production, quality testing, sales, etc. |

#### Other relevant information:

##### Publications (selection):

- Verma, R.L.; **Borongan, G.** Emissions of Greenhouse Gases from Municipal Solid Waste Management System in Ho Chi Minh City of Viet Nam. *Urban Sci.* 2022, 6, 78. <https://doi.org/10.3390/urbansci6040078>
- Borongan, G.**, NaRanong (2022). **Factors in enhancing environmental governance for marine plastic litter abatement in Manila, the Philippines: a combined structural equation modeling and DPSIR framework.** *Marine Pollution Bulletin* <https://doi.org/10.1016/j.marpolbul.2022.113920> [Elsevier, Q1-IF: 7.001/2022]
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