

PDCI PARTICIPANTS OF WORKING GROUP 4

Fostering energy efficiency in industrial production



VICTOR ABAINZA

Special Assistant to the Secretary General, [Association of Development Financing Institutions in Asia & the Pacific \(ADFIAP\), Philippines](#)

Victor Abainza is an expert in human resources training and organizational development as well as in development finance and entrepreneurship development. His training and consulting involvement spans over 30 years and include government, non-government as well as private sector projects/organizations in the Philippines and in selected Asian countries such as Bangladesh, Pakistan, Vietnam, Cambodia, Malaysia, Thailand, Indonesia and the Cook Islands. As Special Assistant to the Secretary General of the Association of Development Financing Institutions in Asia and the Pacific (ADFIAP), he oversees the training activities of the Institute of Development Finance; and coordinates with ADFIAP Consulting on the submission of grant proposals and programme/project implementation.



RAFAELITA M. ALDABA

Assistant Secretary, Industry Development & Trade Policy Group, Department of Trade & Industry, Philippines

Since 2014, Rafaelita Aldaba has been appointed as Assistant Secretary of the Department of Trade & Industry and specifically designated to the Industry Development & Trade Policy Group. Prior to her appointment, she served as Senior Research Fellow and Vice-President of the Philippine Institute for Development Studies (PIDS). She has gained extensive research experience on development issues with a particular focus on industrial policy, regional economic integration, international trade, foreign direct investment, competition policy and SME. Rafaelita Aldaba was highly

instrumental in crafting the analytical framework for the Industry Roadmap Project of the Department of Trade and Industry's (DTI) Board of Investments (BOI), which was launched in 2012. Using a multi-stakeholder approach, this landmark project aims to integrate sectoral roadmaps and to serve as a guide for the formulation of a Comprehensive National Industrial Strategy.



ANDRÉS ARANDA

International Technical Advisor on Energy & Climate Change, TÜV CEM, Mexico

Andrés Aranda is a Certified Energy Manager, currently external consultant of the climate change unit of the Development Bank of Latin America (CAF) for the origination and development of new programs to mitigate climate change in Latin America and the Caribbean. Andrés has over 7 years of experience as consultant on energy efficiency and climate change for various organizations such as Sustainable Cities International, GIZ, International Development Research Centre (IDRC) on issues of sustainability and climate change in cities. During his career, Andrés has performed independently and in collaboration, published publications and studies on mitigation of climate change and energy in industry and cities, with the aim of influencing local and national public policies in Mexico. Today, he has founded American Climate Solutions (ACLISOL) part of ECGm, as an alternative for the public and private sector for managing projects and programs of energy and climate change in Mexico and Latin America.



NESTOR P. ARCANSALIN

Director of Board of Investments in the Department of Trade & Industry, Philippines

Nestor P. Arcansalin is the Director of Board of Investments in the Department of Trade & Industry in the Philippines since 1980. As Representative of the Secretary of the Department of Trade and Industry, he currently has a seat at the National Renewable Energy Board, the National Biofuels Board, the Philippine Council for Agriculture and the Aquatic and Natural Resources Research and Development (PCAARRD).

He has previous working experience as a Research Associate in the Food and Nutrition Research Institute (NSDB), as an Operator for Caltex (Phils.) Inc and as a Laboratory Supervisor at Paniqui Sugar Mills, Inc.

Mr. Arcansalin holds a Master of Economics of Development from the Australian National University and a Master of Economics from the University of Sto. Thomas.



CHULUUNKHUU BAATAR

Climate Change Policy & Finance Officer, GIZ, Ulaanbaatar, Mongolia

Ms. Chuluunkhuu Baatar is currently working as Climate Change Policy and Climate Finance Officer in the Biodiversity and Adaptation of Key Forest Ecosystems to Climate Change II Program from GIZ in Mongolia. She manages different program activities in the area of climate change policy and climate finance, and provides technical assistance for mitigation and adaptation measures, such as the elaboration of an adaptation project in the forestry sector. Ms. Baatar is also in charge of the coordination with governmental and non-governmental organizations in the area of climate change. Before joining GIZ, she has gained experience as Environmental Education and Public Relations Officer in the Nature Conservation Fund of the Mongolian Ministry of Environment and Green Development in Ulaanbaatar as well as Administrative Assistant in Illinois, USA, working for Birches Assisted Living.

Ms. Baatar holds a BSc in Public Health Administration & Environmental Health from Northern Illinois University (NIU) and DeKalb, Illinois, USA. She is also member of “Be the Change” Young Professionals Network in Ulaanbaatar.



FABIÁN ANDRÉS CARREÑO OLEJUA

Advisor, CEO, Quality Energy Solutions, Germany

Fabián Andrés Carreño Olejua is a consultant for climate protection at the Colombian company Quality Energy Solutions specialized in environmental law, renewable energy and energy efficiency. He studied law at the Autonomous University of Bucaramanga in Colombia and Environmental Law at the Leuphana University of Lüneburg in Germany. He has worked as a lecturer at several universities in Colombia teaching

environmental law, research methodology, mining and energy law. As political advisor he has assessed projects for the development of different communities in Colombia which have been affected by climate change.



KISHAN KUMAR CHAKARVARTI

Senior Advisor, Institute for Industrial Productivity, India

Mr. Chakarvarti works as Senior Advisor to Institute for Industrial Productivity (IIP) and coordinates various programmes and activities of the Knowledge Exchange Platform (KEP), which is a joint initiative of the Bureau of Energy Efficiency (BEE) and IIP. KEP provides a vibrant platform, anchored at BEE, to support industry covered under Perform Achieve and Trade (PAT) through promotion of knowledge transfer on energy efficiency. PAT is a flag ship scheme of the Government of India to improve energy efficiency in the industrial sector. Prior to joining IIP, Mr. Chakarvarti served National Productivity Council and Bureau of Energy Efficiency (BEE). He coordinated various schemes and projects such as Certification Examination of energy managers and energy auditors, National Energy Conservation Award scheme for industry, Perform Achieve and Trade (PAT) scheme for cement and aluminium Sector, ISO 50001 Energy Management System and prepared a Road Map and Action Plan for improving Energy Efficiency (EE) for Republic of Mauritius. He has more than 35 years of experience in the field of EE and coordinated various bilateral cooperation programmes as well on EE with Japan, USA, Canada, Germany, France and Sweden. Mr. Chakarvarti also represented India in the various activities of SAARC, UN-ESCAP, Asian Productivity Organisation and International Partnership for Energy Efficiency Cooperation (IPEEC).



VICENTE CO

Vice President of [the Philippine Plastics Industry Association \(PPIA\)](#)

Vicente Co is the president of the Philippine Institute of Industrial Engineers (PIIE) and in turn is a registered ASEAN engineer and professional industrial engineer in the Philippines. He also seats as a board member in the Metro Manila Solid Waste Management Board since 2002. He is currently the vice president (External) for the newly established Philippine Parts Manufacturing Association (PPMA). He previously served as a president for the Packaging Institute of the Philippines (PIP). Career-wise, he is the president of Filpet, Incorporated and vice president for Sales and Marketing for Manly Plastics Incorporated. He holds executive positions in other

Philippine manufacturing corporations as well. He is an advocate for sustainable ways of doing business and has guided Manly Plastics Inc. and PPIA in winning environmental awards from various business organizations like the Philippine Chamber of Commerce and Industry (PCCI) and Federation of Philippine Industries (FPI).



CORAZON CONDE

Group Head, [Association of Development Financing Institutions Asia & the Pacific \(ADFIAP\)](#), Philippines

Corazon Conde has over 30 years of experience in different areas of development banking, having been a former Senior Vice President and Head of the SME Department of the Development Bank of the Philippines. Her areas of specialization include advisory, coaching and training on SME banking, green finance, credit risk management and credit score modelling. Her notable consulting engagements for ADFIAP include those for the European Union's Switch-Asia Programme on SMART Cebu, SMART Myanmar and Switch to High Efficiency Motors; Association of Development Banks in Eastern Caribbean, United Nations-International Trade Centre, Geneva; the Pacific Islands Development Bank, Guam; Bangko Kabayan Rural Bank, Philippines; Asian Development Bank; GIZ Indonesia; Switch Asia Network Facility, Germany; and the Bank of Cook Islands.



KABIL DAHMANI

Director, General Committee of the State's Budget Administration, Ministry of Finance, Tunisia

Kabil Dahmani has over 15 years of experience as a public financial counsellor for structuring State projects, with a strong background in economic policy and project financial management. In 2005, he was one of founders of the national energy conservation regime. One year later, he established a special treasury fund in Tunisia to face the soaring price of oil as well as the national fund for energy conservation to reduce the impact on the State's budget and the national economy. In 2011, he began working on the energy sector reform by preparing the legal and regulatory framework to achieve the energy transition in the country and to liberalise the power production market. Kabil Dahmani also promulgated the law N° 2015-12 on the production of electricity from renewable energies.



IFFAT FAROOQ

Additional Secretary, Energy Department, Government of Punjab, Pakistan

Iffat Farooq has joined Civil Services in Pakistan in 2003 after Post Graduation and assumed the leadership position in challenging public sector environment dealing with policy formulation and development of human and social capital of people of Pakistan. She has worked at different positions in middle and upper management tiers in the public sector. Her area of responsibility included the overseeing of human resource management, liaises with Asian Development Bank, World Bank and federal/provincial governments. She has vast experience of financial management in different capacities. She served as a Regional Director in the World Bank Project (PIFRA) executed through Government of Pakistan. Currently, Iffat Farooq is working as Additional Secretary in the Energy Department and looking after energy projects being established in Punjab, Pakistan. She also has a role in policy making in the fields of energy generation, energy conservation and switching to renewable energy sources. In the public sector, she is involved in the development of the Punjab Energy Efficiency and Conservation Agency to mitigate energy shortfall issues. The Agency intends to promote all types of technologies including hydel, coal, solar, wind and biomass.



MANFRED KOPPER

Environmental Director, Entrepreneurial Association for Development, Costa Rica

Manfred Kopper is currently the Environmental Director of "AED", where he has developed "Eco Eficiencia Empresarial", an environmental strategy designed for the business sector. It has been implemented in Costa Rica, El Salvador, Honduras, Nicaragua, Panama and Guatemala, with more than 250 participating companies and creating Public Private Partnerships in most countries and achieving reductions of 17,792 CO₂e tons in fossil fuel and energy consumption, 648,381 m³ of water and 237,2 tons of paper. Manfred Kopper was also honoured as a "Global Shaper" by the World Economic Forum, awarded with the recognition "40 under 40" by El Financiero, and selected as "Ashoka Fellow" by Ashoka.



VENKATAGIRI KRAMADHATI SIVARAMAKRISHNAN

Executive Director Designate, Confederation of Indian Industry (CII)

Venkatagiri K.S. heads the energy & climate change activities at CII – Sohrabji Godrej Green Business Centre. A centre of excellence of the Confederation of Indian Industry (CII), the Green Business Centre works on energy and environment issues, including energy efficiency, renewable energy, green buildings, waste management and environmental sustainability. Venkatagiri has been working in the area of energy efficiency for over 25 years now.

His experience spans almost all sectors of Indian industry. Having handled hundreds of energy audits and capacity building programs, as well as numerous international projects, Venkatagiri is an acknowledged energy efficiency expert in India.



MARTIN MUÑOZ

General Coordinator, Agave-Tequila Reference Center, Tequila Regulatory Council, Mexico

With more than 15 years in conformity assessment activities in the Tequila Industry, Martin Muñoz has closely worked on the development process of projects in the benefit of the Agave-Tequila production chain. During the last 9 years he has led the management and implementation of financial resources from the Mexican government used for investment projects in technological infrastructure, research and technological development of the Tequila Regulatory Council.

Martin Muñoz represented the CRT participation in projects like the “BABETHANOL”; a project that was financially supported by the European Union with the aim to develop a new process called “CES – Combined Extrusion-Saccharification” as a more sustainable alternative to the processes of the state-of-the-art for the production of 2nd generation biofuel, applicable to a wide range of lignocellulosic raw materials. Currently the CRT works in collaboration with the Mario Molina Center on the project “Sustainability Strategy for Agave Tequila Production Chain”, to jointly develop a strategy and an action plan to guide the Agave -Tequila production chain in a sustainable model and to strengthen the Appellation of Origin Tequila from its current position, proposing a route to achieve sustainability understood in its three dimensions: Environmental, Economic and Social sustainability.



ZEPHERINUS CHURCHILL NORBERT

Project Coordinator, Department of Environment, Antigua & Barbuda

Zepherinus Churchill Norbert is a project coordinator of the Sustainable Pathways – Protected Areas and RE Project (SPPARE Project). His role includes policy making, project implementation & execution in the area of EE and RE systems as well as conducting negotiations and consultations. In November 2015 he received a certification as a Certified Energy Manager International – CEMI. From 1994 to 2015 he worked as a Chief Engineer at Sandals Resorts International. In 2011 he was certified as Engineering Operations Executive (CEOE) by the American Hotel & Lodging Educational Institute. He has a diploma in Electrical Engineering from the University of Technology in Jamaica and completed a Facilities Management Course (HOA 395) at the University of Nevada Las Vegas.



BRIEGLO O. PAGARAN

Regional Director, Department of Trade & Industry Caraga, Philippines

Brieglo O. Pagaran steered successfully Caraga Region's operations of public service, allowing it to obtain an outstanding organizational performance rating. He was strongly involved in the design of the project documentation and the subsequent establishment of the Philippine Cold Chain Project which has chosen DTI-Caraga as strategic local partner.

As Industry Cluster (IC) Manager for Palm Oil, he worked closely with the Philippine Coconut Authority (PCA) and the Palm Oil Development Council for the adoption of the National Palm Oil Road Map. In addition, he was able to have the Caraga Regional Development Council adopt Industry Clustering as a development approach and approve 13 priority ICs. The agency worked closely with local investors and outside parties in several renewable energy projects (RE) which is expected to address the need for stable power supply for more industries in the region. Together with the local DILG director as chair of the Regional Poverty Reduction Action Team, Mr. Pagaran is most involved R&D in bottom-up budgeting paving the way for an increase in DTI's reach and coverage for SME development through the high buy-in of LGUs and CSOs for DTI enterprise development projects.



STEVE PIRO

Founder & CEO, Synergy Efficiency Solutions, Indonesia

Steve Piro is the founder and CEO of Synergy Efficiency Solutions (Formerly Synergy Carbon). The company was recently recognized in Huffington Post as one of "Bali's 10 Hottest Tech Startups" and was the 2016 winner of the CTI PFAN Asia Forum for Clean Energy Financing.

An advocate for energy efficiency, Steve got his degree from the University of San Diego in Environmental Science and Economics, and after extensive travel through 42 countries he settled into Bali, founding Synergy in 2008. Since then, Steve has established Synergy Efficiency Solutions as Asia Pacific's leading energy efficiency companies. The company has been the lead energy consultant for the University of Multimedia Nusantara, which won the 2013 Award for most Energy Efficient Building in Indonesia and the 2014 award for most efficient building in SE Asia. Further they were consultants in the Indonesian International Expo, the largest Expo Center in South East Asia which won the Indonesian Ministry of Energy Award for most efficient building in the country in 2015. SES is also a key player in the design of the Herman Miller Showroom, which will be Indonesia's first LEED Platinum Building.

Steve has been very fortunate to attract an incredible and ambitious international team who collectively aims to redefine the Energy Efficiency landscape in Asia. SES is driving the growth of the Indonesian ESCO market by implementing a diverse portfolio of ESCOs and working closely with the Indonesian Ministry of Energy to develop ESCO laws for Indonesia.



VERENA STREITFERDT

Research Assistant, Institute for Sustainable Futures, Australia

Verena has six years of work and research experience in the field of energy/climate policy, energy/climate finance and urban governance in the South East Asian context. She is currently based at the Institute of Sustainable futures at the University of Technology in Sydney, Australia. Her PhD research explored how the public sector can assist to optimize energy efficiency finance initiatives with focusing on Thailand as her case study. Previously, she has worked in Indonesia for the German International cooperation (GIZ) on the issues of cleaner production, cities and climate change. She also has worked as a short-term consultant for international organizations such as UNESCAP and the Wuppertal Institute for Climate, Energy and the Environment on issues related to environmental economics and climate finance in the South East Asian region. In her

last assignment for the Energy research Centre of the Netherlands (ECN) she developed together with the Thai Climate Change office a National Appropriate Mitigation Action (NAMA) in the area of ESCO market support.

AMEL TRIFA

General Director, General Committee of the State's Budget Administration, Ministry of Finance, Tunisia

Amel Trifa has over 35 years of experience as an administrator in industry and energy sector. She was one of the founder of the of the national energy conservation regime in 2005. Since 2009 she was involved in the recasting of the national system of energy conservation to be structured around the major axes of energy efficiency, renewable energy promotion and energy substitution. Amel Trifa also worked on the development of the legal framework for the energy transition in the country, in particular on the legislation on the use of renewable energy. She also serves as a file manager within the Ministry of Finance on all issues related to the compensation mechanisms in the energy sector and to the partnership with the World Bank.



ALEJANDRO VELASCO

CEO, [Quality Energy Solutions](#), Germany

Alejandro Velasco holds an Economic Sciences and Business Administration degree with an MBA in Sustainability Management from Leuphana University in Lüneburg. He has completed postgraduate courses in energy efficiency, renewable energies and material as well as energy management. In his professional career, he has specialised in the world of sustainable entrepreneurship with a particular focus on energy efficiency. Alejandro Velasco has worked and researched in the field of sustainable business models for energy efficiency and has developed several projects in Latin America and Germany. As an expert for public private partnerships, he has frequently supported Germany's development cooperation with respect to innovations on the Latin American market.

Moderator



MIRKO ZÜRKER

Senior Project Manager, Germany

Since 2009 Mirko Zuerker has been actively involved in SEED and is overseeing the implementation of the SEED Awards and SEED Support which includes the capacity building and the support of social and environmental entrepreneurs. In this regard he is responsible for the development and realisation of consulting services for entrepreneurs, companies and intermediaries. He has an in-depth knowledge about market based approaches applied in developing and emerging economies, including Kenya, South Africa, Vietnam and South Asia. Before joining adelphi, Mirko Zuerker was a freelance journalist for several media and project coordinator in non-profit organisations. He studied political science, economics and Chinese studies in Munich, Shanghai and Madrid and completed a post-graduate programme, focusing on adult education and business ethics at the Munich School of Philosophy.