

Alis Daniela Torres

Personal Information



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Professional Profile

Sustainable energy professional with more than 15 years of experience in the Energy and ICT/Telecommunication Sectors. Relevant working involvement at public, private and international organizations in Latin America and Europe. Task oriented professional with high analytical skills and with interest in creating synergies between the ICT & Energy sectors to drive a low carbon and resilient economy.

Education

- **MSc. City Sciences.** 2015-2016. Technical University of Madrid – Spain
- **MSc. Sustainable Energy Development.** 2002 – 2004. Haskayne School of Business - University of Calgary – Canada
- **Environmental Engineer.** 1997 – 2002. SEK University Ecuador

Professional Experience

ITU. INTERNATIONAL TELECOMMUNICATION UNION. Geneva – Switzerland.

(Mar. 2015 – to date). *Consultant on ICTs, Environment & Climate Change.*

Strategic advising on energy and environmental projects development for the ITU Standardization and Development Bureaus. Development of assessment frameworks for smart energy and environmental services delivery to industries and smart cities; including IoT and big data services.

TELEFONICA S.A. Madrid-Spain

(July 2012- July 2015) *Head of Green ICT & Environment.*

Implementation of the global business strategy for environment, sustainable energy and climate change management in Europe and Latin America. Design of the sustainable value proposition for B2C and B2B customers, with emphasis in smart energy & environmental services development: smart metering, smart grids, smart buildings, electric vehicles, smart waste management, etc.

(July 2008- July 2012) *Head of Climate Change and Energy Efficiency:*

Implementation of energy efficiency programs in mobile and fixed telecommunication networks, datacenters and corporate buildings. Definition of the global energy and GHG emissions reduction targets, the governance model for energy management and the clean energy procurement model.

TELEFONICA MOVISTAR ECUADOR. Quito-Ecuador. (Dec. 2006 – June 2008)

Head of Environment: Environmental management of mobile telecommunication networks, and design of green value proposition to B2C customers. Implementation of management systems, environmental stewardship and due diligence processes.

INTERNATIONAL SEK UNIVERSITY. Quito-Ecuador. (Oct. 2006 – Jul. 2008)

Professor of Environmental Sanitation: 5th semester students of Environmental Engineering. Urban Water, sanitation management and climate change.

LATINAMERICAN ENERGY ORGANIZATION – OLADE. Quito-Ecuador

Consultant for the Energy and Economics Information System (SIEE). (2002 –2006) Development of Energy & GHG Emissions Inventory for OLADE countries.

Technical Assistant for the Strategy and Projects Direction (2003 –2004). Support in OLADE EAP Project: Energy, Environment and Population and OLADE Training Projects to Latin American countries.

MINISTRY OF ENERGY AND MINES Quito-Ecuador. (Feb 2005 –Mar. 2006)

Technical Advisor for the Electricity Vice Ministry & Temporary Director of Renewable Energy and Energy Efficiency. Responsible to provide technical advice on the development of national policies for sustainable management of the electricity sector: renewable energy, energy efficiency and climate change.

LATINAMERICAN ENERGY ORGANIZATION – OLADE. Quito-Ecuador

Professional Internship Departments of Energy Information and Training. (2002 – 2003) Development of country energy balances.

Entrepreneurship Projects

2017- to date. GSMA Latam. Knowledge & Capacity Building Department: Development of the Training tools for the course Mobile Ecosystem and IoT technologies for global energy and climate change management.

2017-to date Greencitic, Partner Co-founder. Scientific research to assess the environmental and climate change impact of Green ICT projects in smart cities.

2016-to date. Fomin-IDB, Technical advice. Multilateral Investment and Innovation Fund of the Inter-American Development Bank. Project Decentralia. Intelligent and decentralized system to collect rainwater in marginalized neighborhoods. Guadalajara Mexico.

International Certificates & Training

2017-to date. Climate Pioneer into Practice Candidate. Climate KIC - European Institute of Innovation and Technology.

03/2017. Stakeholder Engagement. World Bank EdX Online Training

06/2016. Future Cities. Summer School. Tongji University. Shanghai-China

02/2015. Climate Finance Essentials. World Bank E-Learning Platform

09/2014. Global Environmental Policy. U. of Geneva & UNEP. Switzerland.

11/2014. Energy Management Systems ISO 50001. AENOR. Spain

12/2012. Global Management Program. IESE Business School. Spain

10/2011. Climate Leadership Program. University of Cambridge. UK

09/2011. Trainer of Trainers Certificate. GHG Protocol Corporate Standard. WRI. USA

03/2008. ISO 14001, OSHAS 18001 & ISO 9000 Auditor. SGS Ecuador.

06/2006. Successful Project Proposals in Energy, Environment and Climate change. University of Twente and UNEP RISOE Center. Netherlands.

09/2005: Present situation & perspectives: Biomass as Energy source. CIEMAT Spain.

Policy Advocacy & International Participation.

2009-2015. **Associate Rapporteur & Editor.** ITU Study Group 5 on ICTs, environment & climate change. Methodologies to assess energy & GHG emissions impacts of ICTs Projects and Cities. Geneva, Switzerland.

2012-2015. **Coordinator of the Policy Advocacy Working Group** of the ITU Focus Group on Smart Sustainable Cities. Geneva, Switzerland.

2010-2015. Telefonica **Representative at the Energy & Climate Change Group** of the European Round Table of Industrials (ERT). Brussels, Belgium

2012. **Leader of the EU Working Group 2:** ICT4EE Forum (Information & Communication Technologies for Energy Efficiency). Brussels, Belgium.

2011. Leader of the Climate Change Working Group of GESI (Global E-Sustainability Initiative). Brussels, Belgium.

Knowledge and Capacity Building Creation.

06/2017. Visiting professor for the Environment & Climate Change module of the Master of Collective Housing (MCH) UPM. Madrid. Spain.

02/2017 Technical Review of the "Green ICT Strategies" and "ICTs for Power Sector" Modules. ITU Academy.

06/2016. "E-waste management & Circular Economy" module design. ITU Academy.

08/2016. "ICTs to decarbonize transport" module design. ITU Academy.

03/2015. Trainer: ICTs for Climate Change Adaptation in Cities. ITU Asia Pacific.

03/2015. Trainer: Stakeholders for Smart Sustainable Cities. ITU Asia Pacific.

07/2014. Trainer Summer Course "Energy Efficiency" Technical University of Madrid.

07/2012. Trainer: Green ICT, Technologies & Energy Efficiency. University of Extremadura.

2010-2014. Environment, Energy & Climate Change Trainer. Telefónica employees.

2006-2008. Professor Environmental Sanitation. UISEK Ecuador.

Latest Publications

12/2016. KPIs for Smart Cities. Case Study of Dubai. ITU. Geneva - Switzerland.

10/2016. Methodology to implement ICT-based initiatives for environment & climate change management in smart cities. Technical University of Madrid. Spain.

01/2016. ICTs for Climate Change Adaptation in Cities. ITU-UNFCCC.

05/2015. Sustainable Management of E-waste in Latin America. ITU.

03/2015. Setting the Stage for Smart Sustainable Cities Stakeholders. ITU.

References

Sergio Yamada. Telefónica. E-mail: syamada@telefonica.com

Silvia Guzmán Araña. UPM. Email: silvia.guzmanarania@outlook.com

Cristina Bueti. ITU. Email: cristina.bueti@itu.int

Languages

Spanish: Mother Tongue; English: Fluent; Portuguese: Basic

ICT Skills

Microsoft Office, Lotus Notes, and IOs / Ret-Screen, LEAP, SAP Carbon Impact and SAP Sustainability Performance Management.

Interests and hobbies

Family video-making and green-apps design.

Mentoring for green entrepreneurs.

Additional information available under request.