

**3rd Seminar on Innovation, Science and Technology for Energy-Efficient  
Development: Green Buildings**

**Profile of Participants**

**COUNTRY: HONDURAS**

Name: **Marco Antonio Flores Barahona**  
Nationality: **Honduran**  
Current position: **Teacher-researcher**  
Institution: **Universidad Autónoma de Honduras**  
Address: **Ciudad Universitaria, Tegucigalpa, Honduras**



**Small biography**

PhD in Energy (Universidad Nacional de Salta, Argentina); MSc in Energy (Universidad de Andalucía, Spain); Bachelor Degree and Licenciature in Physics (Universidad Nacional Autónoma de Honduras); Experience in the energy topic from 1986; Representative of Petroleum Geo-Services (PGS) in Honduras, from 2008 to date; Manager of IDEA S of RL (energy and environment consultants) from 2002 to date; Consulting in energy for: PNUD, BID, Ministry of Natural Resources and Environment and GIZ; Consultant for the development of draft legislation in the energy sector (rational use of energy and hydrocarbons); General Director of Energy, Secretary of Natural Resources and Environment, 1997-1999 and 2006-2008; Energy Section Coordinator, Faculty of Science, Universidad Nacional Autónoma de Honduras, from 1992 to date; National Coordinator of OLADE, 1997-1999 and 2006-2008; National Coordinator of the UNEP Project: Solar and Wind Energy Resources Assessment (from 2006 to date); National Coordinator of the Energy and Environment Partnership with Finland, Austria and Central America (2006-2008); Member of the Technical Committee of the Energy and Environment Partnership with Finland, Austria and Central America (2006-2008); Member of the Energy Committee of the Honduras College of Mechanical, Electrical and Chemical Engineers and Allied Branches (CIMEQH), from 2008 to date; Since 1996 he has participated in eight Iberoamerican networks of research scientists of the European Program Science and Technology for Development (CYTED); Author of the Atlas Heliofónico de Honduras (2000); Author of the Atlas solar y eólico de Honduras (2008); Co-author of two books on energy; Over 30 scientific publications on energy in specialized journals and memoirs of international conferences with referees and more than 90 conferences at international and global congresses.

**Impact of their work of teaching and / or research**

I prepared the Atlas Heliofónico de Honduras and was the National Coordinator of SWERA Project where the solar and wind potential of the country was determined. Both works have been and continue to be an international reference for investment projects in the wind and solar sector in Honduras.  
He has worked in solar thermal research projects that have been presented at international conferences and published in journals.  
He participated in the elaboration of the national energy policy, unfortunately the government has not implemented it.

On PV applications, study of the solar potential was made in the University (TGU-UNAH) and the feasibility study of a 230 kW PV generator was performed in the UNAH.

He has made several consultancies in national emissions of greenhouse gases, energy aspects and contaminant of the transport subsector, energy efficiency and the development of the laws for rational use of energy and upstream of hydrocarbons.

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