

Francisco Boshell

Position/Department/Division/Institution/Organization

Analyst, RE Technology, Standards and Markets / Innovation and Technology Centre / International Renewable Energy Agency -IRENA-

Country

Germany

Career history

Mr. Francisco Boshell is an Analyst in Markets and Standards for renewable energy technologies at the International Renewable Energy Agency (IRENA). He focuses primarily on providing policy advice and guidance to countries regarding technology innovation, quality control and standardisation programmes for successful deployment of renewables. Mr Boshell analyse technology development strategies for a wider deployment of renewables in energy systems; and has co-authored reports on energy transition and technologies including offshore wind, advanced biofuels, electric vehicles and mini-grids. During his 15+ years professional career, Mr. Boshell has also: developed technical standards for quantifying GHG emission reductions from CDM projects and supported the climate change negotiations under UNFCCC; provided consultancy services for the development of renewable energy and energy efficiency projects at DNV GL, formerly KEMA Consulting; and designed and implemented infrastructure and energy related projects in the automotive manufacturing sector at General Motors. His background is in Mechanical Engineering and he holds a MSc. in Sustainable Energy Technology from the Eindhoven University of Technology, in the Netherlands.

Awards/Publications

- Boshell, F. et al (2018) “Innovation Driving the Energy Transition”; Chapter 3, Global Innovation Index 2018, WIPO. Geneva, Switzerland
- IRENA (2016) “Innovation Outlook: Offshore Wind”, IRENA, Abu Dhabi
- IRENA (2016) “Innovation Outlook: Advanced liquid biofuels”, IRENA, Abu Dhabi
- IRENA (2016) “Innovation Outlook: Renewable mini-grids”, IRENA, Abu Dhabi
- Ackermann, T. Boshell, F., et al, (2016) “Scaling up Variable Renewable Power: The Role of Grid Codes”, IRENA, Abu Dhabi.
- Gielen, D., Boshell, F., Saygin, Deger. (2016) “Climate and energy challenges for materials science” Nature Materials 15, 117, UK.

- Forsyth, T., Burch, J., Boshell, F., Baranowski, R. (2015), “Quality Infrastructure for Renewable Energy Technologies: Guidelines for Policy Makers.” IRENA, Abu Dhabi.
- Forsyth, T., Burch, J., Boshell, F., Baranowski, R. (2015), “Quality Infrastructure for Renewable Energy Technologies: Solar Water Heaters.” IRENA, Abu Dhabi.
- Forsyth, T., Burch, J., Boshell, F., Baranowski, R. (2015), “Quality Infrastructure for Renewable Energy Technologies: Small Wind Turbines” IRENA, Abu Dhabi.
- Ayuso, M., Boshell, F., Roesch, R. (2015), “RD&D for Renewable Energy Technologies: Cooperation in Latin America and the Caribbean.” IRENA, Abu Dhabi.
- Miller, M., Bustamante, C., Roesch, R., Boshell, F., Ayuso, M. (2015), “Renewable Energy Technology Innovation Policy: A process development guide.” IRENA, Abu Dhabi.
- Contribution to a number of UNFCCC CDM Methodologies, inter alia:
 - ACM0002: Grid-connected electricity generation from renewable sources;
 - ACM0005: Increasing the blend in cement production;
 - ACM0025: Construction of a new natural gas power plant;
 - AM0076: Implementation of fossil fuel trigeneration systems in existing industrial facilities.
- Boshell, F. Veloz, O.P. (2008), “Review of developed demand side management programs including different concepts and their results,” Proceedings of the Transmission and Distribution Conference and Exposition: Latin America, 2008 IEEE/PES.

Areas of expertise

Sustainable Energy • Carbon Markets • Management • Research and Analysis • Project Management • Policy Consultant • Business Development