



PORTUGAL AND SPAIN

WAVEC ANNUAL SEMINAR

10 November 2022 | Museu do Oriente | Lisbon



WAVEC SEMINAR 2022

PORTUGAL AND SPAIN: OFFSHORE WIND IN IBERIA: INNOVATION & PERSPECTIVES

SPEAKERS

OPENING SESSION | 09:00 - 09:30



António Sarmento, WavEC Offshore Renewables

Founder and president of the Board of WavEC Offshore Renewables, co-founder of Ocean Energy Systems and former Associate Professor at the Mechanical Engineering Department of Instituto Superior Técnico, University of Lisbon.

Mr Sarmento was also Chairman of the Steering Committee and CEO of the AIR Center between 2017 and 2018 and has been involved in the ocean renewable energy field for almost 40 years.



Marta Betanzos Roig, Ambassador of Spain to Lisbon

Born in Santa Cruz de Tenerife, Spain. She has a Law Degree and a Psychology Diploma from the Complutense University, Madrid.

She joined the diplomatic career in 1986. She has held different roles in the Spanish Foreign Service. She was the first Ambassador of Spain in the Republic of Mali and Burkina Faso, opening the Embassy in Bamako; Ambassador Permanent Representative of Spain to the OSCE in Vienna; Deputy Chief of Mission of Spain in Beijing; Counselor in the Permanent Spanish Representation to the UN; Deputy Chief of Spanish Mission in Tripoli (Libya).

Ms. Betanzos carried out advisory and coordination tasks related to Immigration Law and Asylum and EU cooperation on these matters: Deputy Director General for Justice and Home Affairs at the Secretary of State of European Union and Deputy Director General for International Legal Cooperation in the Ministry of Justice; advisory officer for the OSCE and the Council of Europe at the Foreign Affairs Ministry of Spain.

She is in possession of the Cross of Police Merit with White Badge and the Silver Cross of the Civil Guard of Spain and she is a Grand Officer of the Order of Merit of the Republic of Mali.



José Maria Costa, Secretary of State for Maritime Affairs

José Maria Costa was born, Mozambique in 1961. He graduated in Chemical Engineering from the Porto Higher Institute of Engineering in 1985.

He was a senior worker at the Viana do Castelo Shipyard (1986 - 1994).

Deputy Mayor of Viana do Castelo (1994 to 1997) and Councillor (1998-2009).

Mayor of Viana Castelo (2009-2021).

Chairman of the Alto Minho Intermunicipal Community - CIM- (2013-2021).

Member of the Committee of the Regions (2014-2021).

Member of the Territorial Coordination Council (2014-2021).

Chairman of the Board of Directors of the Group for Local Coastal Action - North (2013- 2017).

Chairman of the Board of Directors of the Gil Eanes Foundation (2010-2021).

Chairman of the Executive Council of the Atlantic Cities Conference (2017-2021).

Chairman of the Board of the Atlantic Axis Association (2012-2014).

Chairman of the Board of the General Meeting of Águas do Norte (2018-2020).

Representing the Viana do Castelo municipality, he was member of the governing boards of Resulima; Vianapolis; Polis Litoral Norte; Águas do Noroeste; and a member of the corporate bodies of the Association for the Collaboration between Ports and Cities - RETE (2013-2017).

SPEAKERS

SESSION I | 09:30 - 11:00



Pedro Amaral Jorge, APREN - CEO

Pedro Amaral Jorge graduated in Mechanical Engineering at Instituto Superior Técnico, and also has an EMBA with focus on Finance and Operations, from IESE / AESE.

In his previous professional experience, he worked as a specialist in structuring and financing projects in the private sector investment aspect for the African Development Bank (AfDB), in the areas of Infrastructure, Energy and Water and Sanitation in Africa, focusing on the sub-Saharan region.

In addition to his career, Pedro Amaral Jorge also has a history of developing projects for public service concessions and BOT (Build Operate and Transfer) as well as financing, planning, construction and management, accumulating more than 15 years of international experience, having worked and lived in different markets, especially in Europe, South America, Africa and the Middle East.

He has a total of 20 years of professional experience in top management positions, assuming functions as Director of Business Unit, Member of the Executive Committee, Executive Director and CEO in companies such as Mitsubishi / METITO Utilities, Indaqua / Mota-Engil Group, SACYR / SOMAGUE and IDOM.



Carmen María Roa Tortosa, Institute for Energy Diversification and Saving (IDAE)

Carmen is a mining engineer specializing in energy. Her professional career has always been in the field of energy and for more than 20 years in the world of renewables.

She has worked in major engineering companies in Spain and in IDAE in departments of different areas such as solar, geothermal, marine energy and currently the wind and marine energy department.

She has participated in the renewable energy plans, PNIEC and the elaboration of the Offshore wind and sea energy Roadmap in Spain, and has been a representative of Spain in various international working groups.



Filipe Pinto, DGEG - Directorate General for Energy and Geology - Electricity Department Head Unit

Filipe is since 2020, Director of Electric Energy Services (DSEE) at DGEG.

He was, from 2019 to 2020, Head of the Department of Electricity and Renewable Energies (DEER), of the National Entity of the Energy Sector (ENSE).

From 2015 to 2019, Head of the Standardization and Security Division (DNS) at DGEG.

From 2013 to 2015, Senior Technician, Directorate General for Energy and Geology (DGEG).

From 2006 to 2013, Supervisor and Senior Technician, of the Energy Use Section of ISEL.



José Pinheiro, Ocean Winds - Country manager for Southern Europe

Jose Pinheiro is currently Country manager for Southern Europe for Ocean Winds, leading the development of new offshore wind opportunities across the region. He also acts as Project Director of WindFloat Atlantic, Europe's first floating offshore wind farm, located in Viana do Castelo, Portugal.

Prior to Ocean Winds, the ENGIE : EDPR joint-venture dedicated to offshore wind energy, Jose Pinheiro was already working in EDPR, which he joined in 2011. He was first based in Madrid, as Senior Technical Support Engineer and then as Head of O&M for EDPR's Global Technical Direction. In 2013, he moved to Scotland and supported the development of what is today known as Moray East Offshore Wind Farm, Scotland's largest offshore wind farm; first as Head of Wind Turbines and Substructures and later as Project Technical Coordinator. In early 2017, he started leading the WindFloat Atlantic Project (WFA) as Project Director taking the project from development to operation.

Jose Pinheiro started his career working for wind turbine supplier VESTAS WIND SYSTEMS, which he joined in 2007 and went through several functions in Spain, Denmark, and Brazil.

Jose Pinheiro holds a degree in Environmental Engineering from UCP and Post-graduation degree in Mechanical Engineering (renewable energies) from FEUP.



Ricardo Rocha, Baywa - Offshore Wind Technical Director

Ricardo is an Engineer Geologist with over eighteen years of technical management and consulting experience in the field of geosciences applied to engineering and construction, both onshore and offshore.

Particularly in the Offshore Wind Industry, Ricardo gained experience in the full life cycle, of both Fixed bottom and Floating projects, having been involved in the tender preparation, development, consenting, construction, and operation of more 7.5 GW of Offshore Wind projects, in 9 Countries, across Europe, North America and Asia Pacific regions.



Adrian de Andres, Iberblue Wind - Vice President

Adrian is a civil engineer with extensive economics, finance and commercial experience having worked in academia, project development and consultancy sectors.

Adrian has been involved in offshore renewables since 2010 and has worked across wave, tidal and floating and fixed wind both in technology development and project development capacities.

Adrian holds a PhD in techno-economic assessment of wave energy converters and has assessed and advised more than 10 wave and tidal technologies. More recently he has been working in the development of floating and fixed wind projects across Scotland, England, Ireland and Japan.

Adrian has managed several innovation projects related to wave, tidal and floating wind, up to £2m and has managed multiple organisations and co-ordinated inputs from multiple people.

Adrian was recognized in 2016 with the Young Professionals Green Energy Award for his contribution to the Scottish renewables industry.



Pablo Alcon Valero, Capital Energy - Offshore Director

Pablo Alcón Valero is a MEng in Civil Engineering and MSc in Offshore Renewable Energy who has developed his entire career internationally: started in London in a consultancy of renewable energy, BPP-Tech, to continue in ENI-Saipem and Iberdrola as a Lead Project Manager of offshore installations and windfarms such as Wikinger, East Anglia One and Vineyard Wind 1.

He has a wide experience in the offshore industry being responsible for projects since the development phase going through the financial, construction and operation.

In 2021, he joins Capital Energy in Madrid to lead the offshore business and to support the expansion of the industry in Portugal and Spain.

In the last months, he positioned the company as an offshore key player with a +2GW portfolio and closing agreements with partners like Shell or Bluefloat.

SPEAKERS

SESSION II | 11:30 - 13:00



Carlos Pinho, Companhia da Energia Oceânica - President of the Board of Directors

Carlos Pinho has an Executive MBA from Porto Business School, a M.Sc. in Innovation and Technological Entrepreneurship from the Faculty of Engineering in partnership with the Faculty of Economy from the University of Porto and a 5-year degree in Electrical and Computer Engineering, from the Faculty of Engineering of Porto.

He is the Business Developer Manager for the Blue Economy at INESC TEC, bringing together national and international R&D+i Institutions, businesses, and associations, increasing synergies and critical mass, raising up an Ocean Engineering Excellence Network capable of leading international initiatives in the Sea Economy.

Carlos was recently appointed as the President of the Board of Directors of Companhia da Energia Oceânica, that owns a historical test site in Aguçadoura that can contribute to the acceleration of Marine Renewable Energies.



João Neves, X1 Wind - Director of Strategy and Business Development

João Neves is the Director of Strategy and Business Development at X1 Wind, a young technology company developing an innovative floating platform with the potential to make a step-change in offshore wind. Previously, he was a project leader at the Boston Consulting Group (BCG) where he worked on energy and infrastructures projects for large corporations and Governments in Europe, Middle East and Africa.

He holds an MBA from INSEAD, a MSc in Civil Engineering from the Technical University of Lisbon and an Executive Masters in Sustainable Energy Systems from the MIT Portugal Program.



David Carrascosa, SAITEC Offshore - Director of Operations

David Carrascosa has a Master in Civil Engineering from the University of Cantabria, Spain.

He started his professional career as a structural engineer with a strong focus on structural dynamics. In 2014, he joined Saitec as Offshore Engineer becoming later the Head of the Offshore Wind Department.

In 2016, David was appointed Chief Technology Officer at Saitec Offshore Technologies, the Floating Offshore Wind dedicated spin-off from Saitec's Group.

From June 2021, David holds the position of Director of Operations being part of the Board of Directors of the company.



Alex Fairtlough, EnerOcean - Business Development Director

DBEng Aeronautics & Astronautics, MEng Rotating Machine Design Founder and CEO of ISATI Engineering Solutions, a Spanish engineering company providing services to leading wind turbine and aircraft manufacturers worldwide since 2005.

Joined EnerOcean in 2019 as industrial shareholder and Business Development director.

Oversaw the M&A process leading to Eni Plenitude entry into EnerOcean shareholding this year.



Misael Goicoechea, Acciona Construcción - Lead Hydrodynamicist and Researcher

Master's Degree in Naval Architecture by Kungliga Tekniska Högskolan (Sweden) in 2017.

He joined R&D Division of ACCIONA CONSTRUCCION in 2022. He has a specialized profile in fluid mechanics and hydrodynamics developed along a diverse portfolio of innovation projects, such as hydrofoil technology, vessel wake waves or underwater robotics.

His main role as lead hydrodynamicist in ACCIONA is to use his expertise in numerical computational methods, CFD and simulations to assess during the design, transport and installation of the different concrete solutions for offshore wind that ACCIONA is developing.



Lúcio Rodrigues, Principle Power Head of Procurement & Project Support

Lúcio Rodrigues is Head of Procurement and Project Support at Principle Power, where among other activities, is helping shape the company's industrialization program to prepare the WindFloat for the upcoming utility-scale floating offshore wind projects.

Before joining Principle Power in 2021, Lúcio amassed 15+ years of work experience in offshore energy, from oil&gas to renewables, as Class Surveyor, Project Manager, Business Developer, and Country Manager.



Miguel Silva, Corpower Ocean Managing Director

With extensive experience, both at technical level and deep knowledge in emerging technologies, which includes more than a decade dedicated to the wind energy sector, where he was responsible for the start-up and optimization of factory assembly operations of onshore and offshore wind turbines, localizing supply-chains and managing manufacturing sites.

He has accumulated, throughout various functions, a vast international professional experience, in countries such as Germany, Portugal and India.

Currently Miguel Silva, leads the development and manufacturing of the fiberglass composite material elements of CorPower's wave energy converter, as well as all operations inherent to CorPower Ocean flagship demonstration project, further investments, and growth in Portugal.

SPEAKERS

SESSION III | 14:00 - 15:30



Ricardo Morgado, WAM Investments Director

Ricardo Morgado is, since May 2022, the Director of WAM Investments, Family Office dedicated to investment and assets management, including the promotion of projects and technologies in the Blue Economy sector, such as Offshore Wind Energy and Aquaculture, through the WAM Holding Horizon where he is a member of the Board of Directors.

Until October 2022, WAM Investments held 100% of the capital of ASM Industries, a company in which Ricardo worked between 2008 and 2022 as Chief Commercial Officer (CCO).

He has been a member of the WavEC – Offshore Renewables Board of Directors since 2018.

He has a Degree in Environmental Engineering and a Pos Grad in Renewable Energy and Energy Efficiency, both in University of Aveiro. He also has an MBA from Católica Porto Business School.



Andreia Fernandes, Country Manager EIT InnoEnergy

Andreia Fernandes has more than 15 years of experience in management positions in energy-related businesses through her positions at EIT InnoEnergy, Grupo Mekkin, QuimarEnergy and LNEG. She has consistently worked with innovation and technology transfer, enabling sustainability in several sectors with the goal of accelerating the decarbonization of the economy in the energy field.

She holds an integrative engineering background in Mechanical and Agronomical Sciences complemented by an MBA from the Warwick Business School. Throughout her professional experience, innovation soon became her primary interest, working in public and private organizations operating in R&D and Innovation.

She joined EIT InnoEnergy in 2012 with the responsibility of building and supervising all the organization's activities in Portugal, contributing to the firm's business strategy. During her career at the firm, she has assumed several challenges, leading a team of eight people.

She accelerated the firm's business activities in the Portuguese market in diverse energy-related thematic fields by initiating, supporting, and accelerating large-scale industrial projects such as Corpower, Principle Power and Northvolt.



José Cândido, WavEC Head of Economy and Industry

José Cândido is the Head of Economy & Industry at WavEC.

He has relevant expertise in offshore renewable energy economics, resource assessment and site selection.

He works as a scientific consultant for leading energy sector companies and has been responsible for the coordination of major EU funded projects.

He is a lecturer in the European Masters in Renewable Energy (EUREC) at IST for the topics on offshore wind, wave and tidal current energy resources and economics.



Germán Pérez Morán, Manager of the Offshore Renewables Team at TECNALIA

Germán Pérez Morán received the degree in Telecommunications Engineering in 1998 from the University of the Basque Country, Spain.

He worked in electronic design for different sectors. Since 2010 he has been working as Offshore Wind Project Manager in the area of Offshore Renewables. Co-author of more than 30 papers and 3 patents, he is now the manager of the Offshore Renewables Team, with 18 researchers working in offshore wind, wave energy and grid connection.



Tiago Ornelas, Business Development Manager of Endiprev Group

Tiago Ornelas is currently the Business Development Manager of Endiprev Group.

Endiprev is an international reference in the provision of specialized services, project commissioning, preventive maintenance, as well as corrective and major corrective measures, involving onshore and offshore wind energy equipment.



Antonio Sánchez Pérez, Navantia, Offshore Wind Commercial Manager (Jackets & Floating)

Antonio is an Industrial engineer (software designer for physical systems) and obtained his degree in the Valladolid University in Spain.

He was the Manager of the engineering electrical department (2005-2013) in the Ferrol shipyard for Offshore Oil & Gas. He directed projects like Hywind Scotland (5 floating foundations type spar) for Statoil (2016- 2017) and Offshore Accommodation Vessel (DP3) for PEMEX (2014-2016).

Antonio also worked in projects like LHD “Juan Carlos I” for the Spanish navy, 2 ALHDs for the Australian navy, Frigate F105 (Spanish navy) (2005-2014) Electrical Manager in Astano and IZAR, FPSO Foinaven (BP), Drillships Discoverer Enterprise, Discoverer Spirit, Discoverer Deep Seas (Transocean), FSU Farwha (Total-FinaElf) (1996-2004).



Nuno Vaz, TechnipFMC, Business Development & Account Manager Iberia

Civil Engineer, MSc in Systems Engineering, experienced in Structures, Simulation, and Subsea Energy Systems.

Began his career as Structural Engineer in the Construction sector, accumulating different roles for 11 years.

After 12 years in Norway working in Oil&Gas Subsea Production Systems projects, returns to Portugal to support the Energy Transition development through TechnipFMC New Energy Ventures portfolio offering.

SPEAKERS

SESSION IV | 14:00 - 15:30



Luisa Carrilho da Graça, *Gómez-Acebo & Pombo Abogados*

Lúisa is a senior associate in Gómez-Acebo & Pombo's Corporate and Commercial practice area and leads the Energy area in Portugal.

She gains recognition for her outstanding transactional and energy expertise and is vastly experienced advising national and international clients in the Energy, Corporate & Commercial and Banking & Finance fields.

Lúisa holds a Law degree from Universidade de Lisboa and an LL.M. in Commercial and Financial Law from Kings College London. Lúisa also attended the Master in Energy Law from Universidade Católica Portuguesa.

Lúisa is a regular speaker at conferences, providing training and appropriate guidance related to the area of energy. Lúisa is recognised in the prestigious Legal 500 legal directory as one of the leading energy professionals in the market and is a member of the ICC Commission on Environment and Energy.



Emilio Nieto Gallego, *Centro Nacional del Hidrógeno General Manager*

PhD in Chemistry from Autónoma University of Madrid (1995). Master in PRLs (3 specialities) and MBA by IE. EOI professor for the Master on Management of Eco-innovative industries and Master of Hydrogen Executive Programme. Master professor of Expert in Promotion and Management of R&D&I international projects of UPM. More than 25 years of experience in R&D, quality and business development management in multinational enterprises in different industrial sectors.

Dr Nieto is co-author of 2 patents and more than 20 peer-review articles. Dr Nieto is expert evaluator of the European Commission for Horizon 2020, ERAMIN, KAVA EIT RM projects; advisory board of several EU projects, as well as Monitor for FP7 and Horizon 2020 projects related to raw materials and industrial technological development processes.

Dr Nieto is president of CLM Regional Hydrogen Cluster and member of the board of the Spanish Hydrogen Association, as well as board member of the Galician Hydrogen Association. He is ExCo Spanish delegate in Advance Fuel Cell Technical Collaboration Platform AFC TCP, member of the Hydrogen Europe Research and EERA, as well as member of Gasnam and Sedigas (Spanish experts group on gases).



Bruno Miguel Correia Pacheco, *PLOCAN - Advisor for International Projects and Specialist Technologist*

For over 14 years, Bruno served as Regional Director in the Public Administration of the Azores, leading different departments such as Youth, Public Works and Communications, and Science and Technology, and simultaneously performing other functions in public-private organizations.

His professional activity started in the private sector as an engineer in electromechanical and communications infrastructure design, and now entirely absorbed by the challenge of strengthening networks and boosting relationships in the Atlantic area.

CLOSING SESSION

17:00 - 17:15



Carlos Pinho, *Business Developer Manager for the Blue Economy at INESC TEC*

Carlos Pinho has an Executive MBA from Porto Business School, a M.Sc. in Innovation and Technological Entrepreneurship from the Faculty of Engineering in partnership with the Faculty of Economy from the University of Porto and a 5-year degree in Electrical and Computer Engineering, from the Faculty of Engineering of Porto.

He is the Business Developer Manager for the Blue Economy at INESC TEC, bringing together national and international R&D+i Institutions, businesses, and associations, increasing synergies and critical mass, raising up an Ocean Engineering Excellence Network capable of leading international initiatives in the Sea Economy.

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José Oliveira, *Ørsted Floating Wind Technical Program Manager*

Civil engineer with 10 years of experience in engineering and construction of offshore energy projects, namely in fixed-bottom and floating offshore wind. Projects developed and executed in US, Europe and APAC.



João Galamba, *Deputy Minister and Secretary of State for Energy*

João Saldanha de Azevedo Galamba was born in Lisbon in 1976.

He has a degree in Economics from the Faculty of Economics of Universidade Nova de Lisboa. He completed the academic part of the Doctorate in Political Science at the London School of Economics, having taught Political Philosophy in the Department of Government.

He worked at Banco Santander de Negócios, at the consultancy DiamondCluster International, at the Portuguese Presidency of the Council of the European Union and at the Mission Unit for Integrated Continuing Care.

He arrived in parliament in 2009, being a deputy in the XI, XII and XIII Legislatures. He was coordinator of the Socialist Party deputies in the Budget and Finance Committee and Vice-Chairman of the Socialist Party Parliamentary Group. He was Secretary of State for Energy from October 2018 to March 2022.



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