

### Speakers



#### **Alex Raventos, WavEC – Offshore Renewables**

Head of Economic and Industry department at WavEC, Lisbon. 2009-date. Master's degree in Sustainable Energy Systems by the MIT-Portugal program. 2009-2010. Responsible of Wave Energy Technology at Abencis, Barcelona. 2007-2009. Involved in wave energy sector since 2007. Industrial engineer from the UPC, Barcelona. 2000-2005

*Coordenador do departamento de Economia e Indústria do WavEC, Lisboa, desde 2009. Mestrado em Sustainable Energy Systems pelo programa MIT-Portugal, 2009-2010. Responsável pela tecnologia de energia das ondas em Abencis, Barcelona, 2007-2009. Envolvido no sector de energia das ondas desde 2007. Engenheiro Industrial pela UPC, Barcelona, 2000-2005.*



#### **Ana Brito e Melo, WavEC – Offshore Renewables**

Ana Brito e Melo holds a PhD (2000) and a Master (1995) in Mechanical Engineering and a first degree in Civil Engineering (1992) from the IST (Instituto Superior Técnico) of the Technical University in Lisbon. Ana has more than 20 years of experience in wave energy, starting from tank tests and numerical modelling, towards technology assessment, site selection and feasibility studies. She became Executive Director of WavEC in January 2012. She is further responsible for running the secretariat and dissemination of the OES (Implementing Agreement on Ocean Energy Systems of the International Energy Agency), since 2002.

*Ana Brito e Melo tem um Doutoramento (2000) e Mestrado (1995) em Engenharia Mecânica e licenciatura em Engenharia Civil (1992), pelo IST (Instituto Superior Técnico) da Universidade Técnica de Lisboa. Ana tem 20 anos de experiência em energia das ondas. Tem uma formação de base em hidrodinâmica e modelação numérica. Ana é actual Directora Executiva do WavEC e responsável pelo secretariado técnico e disseminação do Acordo de Implementação em Energia dos Oceanos (OES) desde 2002.*



#### **Anders Tørud, Straum**

Tørud has a MSc in Engineering from the Norwegian Agricultural University (2003). He has experience from business development and innovation within offshore oil & gas and Offshore renewables.

In addition to being the CEO of Straum Tørud holds the position of Innovation manager for the Offshore oil and gas Service company NLI Solutions AS.

Straum is a part of the Norwegian privately held industry Group Ard. Ard Group consist the offshore oil and gas group NLI, Hydropower turbine provider Rainpower, and Straum as well as other industrial companies.

Straum is an offshore renewables company with three technologies in its portfolio. WindSea - offshore wind foundations, Hydra Tidal - tidal and ocean stream technology and OWC Power – wave power technology. With this technology portfolio Straum is well positioned to capitalize on the strong growth within offshore renewables in Europe and world wide.

*Tørud possui um MSc em Engenharia pela Universidade Agrícola Norueguesa (2003). Tem experiência em desenvolvimento de negócio e inovação no setor das energias renováveis de petróleo e gás em offshore.*

*Além de ser CEO da Straum Tørud, assume o cargo de Diretor de Inovação para a empresa de serviços de petróleo e gás em offshore NLI Solutions AS.*

*A Straum pertence ao grupo privado norueguês Ard. O Grupo Ard é composto pelo grupo de petróleo e gás em offshore NLI, o fornecedor de turbinas de energia hidráulica Rainpower e a Straum, bem como outras empresas da indústria.*

*A Straum é uma empresa que trabalha no setor das energias renováveis em offshore, possuindo três tecnologias no seu portefólio. WindSea – fundações eólicas offshore, Hydra Tidal – tecnologia de correntes das marés e dos oceanos e OWC Power – tecnologia de energia das ondas. Com este portefólio de tecnologia, a Straum encontra-se bem posicionada para potenciar o forte crescimento no setor das energias renováveis offshore na Europa e em todo o mundo.*

# BLUE ECONOMY

## OFFSHORE PLATFORMS AND OPPORTUNITIES



### **António José Correia, Peniche City Hall**

António José Correia, born in Peniche, has a background in Financial Management (ISCAL). For many years he has dealt with social issues and regional development, with main emphasis on the presidency CERCJ Peniche. He was elected Mayor of Peniche in October 2005 and re-elected in 2009. He is also president of ADRO (Development Agency for the Western Region) on behalf of OESTECIM (Intermunicipal Community of the West) and board member of Oceano XXI representing the central region. Since 2006 he has supported the process of developing and deploying the "Wave Roller" in Peniche.

*António José Correia, natural de Peniche, tem formação em Administração Financeira (ISCAL). Esteve muitos anos ligado à problemática social e do desenvolvimento regional, com principal destaque para a presidência da CERCJ de Peniche. Foi eleito Presidente de Câmara de Peniche em Outubro de 2005 e reeleito em 2009. É também presidente da ADRO (Agência de Desenvolvimento da Região Oeste) em representação da OESTECIM (Comunidade Intermunicipal do Oeste) e membro da direcção da Oceano XXI em representação da região centro. Tem acompanhado desde 2006 todo o processo de concretização do "Wave Roller" em Peniche.*



### **António Sarmento, WavEC – Offshore Renewables**

Is an associate professor at the Department of Mechanical Engineering of the Instituto Superior Técnico (Technical University of Lisbon) and is active in the field of wave energy research for more than three decades. He is the director of the Wave Energy Centre since its foundation in 2003 and was as member of the Board of Directors of the European Ocean Energy Association from 2006 to 2011. Professor António Sarmento was also member of the Board of directors of the International Society of Offshore and Polar Engineering (ISOPE), from July of 2007 to January 2011.

*Exerce a sua actividade de professor associado no Departamento de Engenharia Mecânica do Instituto Superior Técnico e é activo na área de investigação de energia das ondas há mais de três décadas. Preside à Direcção do Centro de Energia das Ondas desde a sua fundação, em 2003. Foi membro da Direcção da Associação Europeia para a Energia dos Oceanos de 2006 a 2011 e membro da Direcção da International Society of Offshore and Polar Engineering (ISOPE) de Julho de 2007 a Janeiro de 2011.*



### **Eduardo Quevedo, Plocan**

Eduardo Quevedo Gutiérrez holds a degree in Telecommunications Engineering (2007) and a degree in Electronics Engineering (2009) from the University of Las Palmas de Gran Canaria (ULPGC). He was granted with a national award to the best Master Thesis in the Official National Telecommunications Engineering Association annual awards (2008).

He has combined his professional career among private sector, public sector and the university, working for four years as a Project Manager for the installation of Air Traffic Control systems in the company Indra (2007-11), and then since March 2011 as a R&D Project Manager at the Oceanic Platform of the Canary Islands (PLOCAN). He is also developing his doctoral thesis on underwater imagery in the Doctoral Program "Advanced Telecommunications Engineering" at the Institute for Applied Microelectronics (IUMA).

*Eduardo Quevedo Gutiérrez possui licenciatura em Engenharia das Telecomunicações (2007) e em Engenharia Electrónica (2009), pela Universidade de Las Palmas de Gran Canaria (ULPGC). Recebeu um prémio nacional pela melhor Tese de Mestrado nos Prémios Oficiais Anuais da Associação Nacional de Engenheiros de Telecomunicações (2008), de Espanha. Desenvolveu a sua carreira profissional nos sectores privado, público e universitário, tendo trabalhado durante quatro anos como Gestor de Projectos para a instalação do sistemas de Controlo de Tráfego Aéreo na companhia Indra (2007-11), e desde Março de 2011, e como Gestor de Projectos de I&D da Plataforma Oceânica das Ilhas Canárias (PLOCAN). Está, igualmente, a desenvolver a sua tese de doutoramento sobre imagens subaquáticas no Programa de Doutoramento "Engenharia de Telecomunicações Avançadas", no Instituto para Microelectrónica Aplicada (IUMA).*



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## OFFSHORE PLATFORMS AND OPPORTUNITIES



### **Erkki Kasanen, AW Energy**

M.Sc. (Eng.) Erkki Kasanen, has a wide experience in international power plants and process industry projects. He was a Technical Director in a process industry company before coming to AW-Energy. He has now seven years of experience at AW-Energy in wave energy field. Responsibilities have been project management, fund raising and coordination of EC funded projects, and other project development activities.

*Erkki Kasanen, M.Sc. (Eng.), tem larga experiência em centrais eléctricas internacionais e projectos na indústria transformadora. Foi director técnico numa empresa da indústria transformadora antes de se juntar à AW-Energy. Agora conta com 7 anos de experiência na AW-Energy na área da energia das ondas. As suas responsabilidades são gestão de projectos, angariação de fundos e coordenação de projectos financiados pela EU, e outras actividades ligadas ao desenvolvimento de projectos.*



### **Gareth Davies, Aquatera**

Based in Orkney, Gareth is Managing Director of Aquatera Ltd and serving on the boards of the Orkney Renewable Energy Forum (OREF) as well Scottish Renewables. He has worked as an environmental consultant for over 20 yrs, specialising in marine issues. His involvement in marine renewables started in the early 1990s, undertaking the EIA for the Osprey wave energy device. After working in Azerbaijan and the FSU for 3 years he returned to Orkney in 2000 as interest in renewables was beginning to take off. Since then he has undertaken numerous projects ranging from strategic planning & assessment, through baseline investigations, risk assessment, site selections & resource assessment studies to operations support tasks for both wave and tidal developers. Latterly he has been involved in the strategic thinking to put the pieces of the jigsaw together that should enable the marine renewables sector to develop and flourish to its full potential.

*A viver em em Orkney, Gareth é o Director Administrativo da Aquatera Ltd e faz parte das administrações do Orkney Renewable Energy Forum (OREF), bem como da Scottish Renewables. Trabalhou como consultor de ambiente durante mais de 20 anos, especializando-se em questões marinhas. O seu envolvimento em renováveis marinhas data do início dos anos 90, assumindo a Avaliação de Impacte Ambiental para o dispositivo de energia das ondas, Osprey. Após trabalhar no Azerbaijão e na FSU durante 3 anos, regressou a Orkney em 2000, numa altura de recrudescimento do interesse nas energias renováveis. Desde então assumiu diversos projectos desde planeamento e avaliação estratégicos, através de pesquisas de base, avaliação de riscos, escolha de local e estudos de avaliação de recursos para tarefas de operações de apoio para promotores de ondas e marés. Recentemente tem estado envolvido no pensamento estratégico com o intuito de organizar as peças do "puzzle", para que seja possível o sector de renováveis maninhas desenvolver-se e florescer em todo o seu potencial.*



### **Geir Ove Kjesbu, Investidor**

Geir Ove Kjesbu holds an MSc in electronics engineering from the Norwegian University of Science and Technology (NTNU) and an executive MBA from INSEAD in France. Mr Kjesbu has operational experience with companies in the start-up, growth and public offering phases. He has been CTO, CEO and board member of Q-Free ASA and Fara ASA. He is also experienced in active ownership in start ups as well as public listed high tech companies.

*Geir Ove Kjesbu tem um MSc em Engenharia Eletrotécnica pela Universidade Norueguesa de Ciências e Tecnologia (NTNU), bem como um MBA executivo pelo INSEAD, em França. O Sr. Kjesbu adquiriu experiência operacional em empresas nas suas fases de arranque, crescimento e oferta pública. Foi CTO, CEO e membro do conselho de administração da Q-Free ASA e da Fara ASA. Possui igualmente experiência de propriedade activa em start ups e em empresas de alta tecnologia cotadas em bolsa.*

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### **João Fonseca Ribeiro, Directorate Generale for Maritime Policy**

João Fonseca Ribeiro is a Navy captain with a 25 year's naval service career, either on naval, joint and combined forces and staff, and mostly dedicated to operations, communications and information systems, as well as interagency and international cooperation. He has been engaged in real world operations in the Balkans, East-Mediterranean and Africa. While ashore, he was National Liaison Representative to the Allied Commander Transformation and US Joint Forces Command, both in the US, and Head of the Operations and the External Affairs Divisions of the Portuguese Navy Staff, and Navy Representative to the National Maritime Coordination Center. He also represented Portugal in several other NATO, EU and UN fora and has been involved in multiple transformation and experimentation projects. More recently, he served as technical advisor to the Head of the Task-Group Maritime Affairs and, lately, to the Secretary of State for the Sea in the Ministry of Agriculture, Sea, Environment and Spatial Planning. Since February 2012, and under the new governance structure for the Ocean management, he becomes Director-General Maritime Policy. He is participating in the coordination, definition and implementation of the National Ocean Strategy and, within the EU, is the High Level Focal Point for the Integrated Maritime Policy, Leadership Group Representative for the Atlantic Forum within the UE Maritime Strategy for the Atlantic Area, National Coordinator for BlueMassMed Pilot Project in Integrated Maritime Surveillance for Mediterranean Sea and its Atlantic Approaches, and represents Portugal on several other expert groups on the this subjects.



### **José Chambel, Hidromod**

José Chambel Leitão is a Civil Engineer and holds a Doctorate Degree on Mechanical Engineering from IST-Lisbon. He has 25 years' experience in modelling of aquatic systems and in project management. He is partner and manager of HIDROMOD since 1992, where he participated in around 300 projects. He has developed work in Europe, Africa, South America and Southeast Asia. Presently, he coordinates the development of a Data Management Platform, within the SOWFIA project, directed at the Environmental Assessment of Wave energy devices.

*José Chambel Leitão é Engenheiro civil e obteve um grau de doutorado em Engenharia mecânica pelo IST-Lisboa. Tem 25 anos de experiência em modelação de sistemas aquáticos e em gestão de projectos. É parceiro e gestor na HIDROMOD desde 1992, onde já participou em cerca de 300 projectos. Já trabalhou na Europa, África, América do Sul e Sudeste Asiático. Neste momento coordena o desenvolvimento de uma plataforma de gestão de dados, no âmbito do projecto SOWFIA, direccionado para a avaliação ambiental de dispositivos de energia das ondas.*



### **José Varandas, Kymaner**

José Varandas has a degree in Mechanical engineering from the IST, a post-graduation in Business Management from the ISCTE business school and another post-graduation in Advanced Project Management from Católica Business School. In 1979 José Varandas started working at Sorefame Hydro Portugal, where he had the functions of Structural Analyst and Designer, manager of a Hydraulics Laboratory, and Technical project management. In 1991 he started working at ABB Hydro (Power) Portugal as an IS Country Manager. Moreover, in 1997 he started working at ADtranz Portugal as a Director of engineering Systems. After this he started working at ADtranz SA - Corporate as the Engineering IT Services Manager. Furthermore, In 2001 he started working as the engineering systems director at Bombardier Inc. - Corporate. In 2006 José Varandas became the executive Director and Project Manager of Kymaner and nowadays still is.

*José Varandas tem uma licenciatura em Engenharia Mecânica pelo IST, uma pós-graduação em Gestão de Negócios pela ISCTE Business School e outra pós-graduação em Gestão Avançada de Projetos pela Católica Business School. Em 1979 começou a trabalhar na Sorefame Hydro Portugal, com as funções de Analista Estrutural e Designer, gestor de um Laboratório de Hidráulica e gestão técnica de projetos. Em 1991 começou a trabalhar na ABB Hydro (Power) Portugal como gestor nacional de sistemas de informação. Em 1997 foi para a ADtranz Portugal como Director de Sistemas de Engenharia. Depois disso, ele começou a trabalhar na ADtranz SA - Corporate como o Gerente de Engenharia de Serviços de TI. Em 2001 começou a trabalhar como director de engenharia de sistemas na Bombardier Inc. - Corporativa. Em 2006 tornou-se Director Executivo e Gerente de Projetos da Kymaner.*



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## OFFSHORE PLATFORMS AND OPPORTUNITIES



### **João Cardoso, Ocean Plug**

João Freire Cardoso is the general manager of ENONDAS a company of the Portuguese TSO REN, responsible for the development and management of the Portuguese Pilot Zone. He is a Portuguese Navy Commander (Retired) with more than 25 years of professional maritime experience. He has a degree in Oceanographic and Meteorology sciences, issued by the Portuguese Naval Academy and he is a specialist in Naval Weapons Systems.

After he left the Navy (in 2005) he worked as sales manager director for an Oil & Gas engineering company, Projecto Detalhe.

In 2008 he joined the Martifer group, where he worked as consultant for marine environment operations and projects where he belonged to the developing team of the wave energy

project "FLOW".

He was also member of the board of ENERGYIN (PCTE - Pólo de Competitividade e Tecnologia da Energia). As hobby he is a sport sailor, since tender age.

*João Freire Cardoso é Director da ENONDAS uma empresa da REN - redes energéticas nacionais, responsável pela concessão da Zona Piloto Portuguesa. É um oficial da Marinha Portuguesa (na reforma), com mais de 25 anos de experiência marítima. É licenciado em Ciências Militares Navais, ramo de Oceanografia e Meteorologia, pela Escola Naval e especializado em Sistemas de Armas de superfície. Após passar à reserva (em 2005), foi director de comercial da Projecto Detalhe, empresa de engenharia na área de Petróleo & Gás.*

*Em 2008, integrou o grupo Martifer, como consultor para e projectos de ambiente marinho e pertencendo à equipa de desenvolvimento do projecto de energia das ondas "FLOW". Foi também membro do conselho directivo do ENERGYIN (PCTE - Pólo de Competitividade e Tecnologia da Energia). Como passatempo, é velejador, desde tenra idade.*



### **João Maciel, EDP Inovação**

Technology Development Director of EDP Inovação. Project Director of the WindFloat Project and Board Member of WindPlus (joint venture led by the EDP Group to develop the WindFloat Project). 11 years of experience in working in the electric sector. He is a Project Management Professional and has extensive experience in leading the implementation of new energy technology projects. He holds a Degree in Electrical Engineering from Lisbon Technical University and an MBA from the Portuguese Catholic University.

*Diretor de Desenvolvimento Tecnológico da EDP Inovação. Diretor do Projeto WindFloat e Administrador da WindPlus (joint venture liderada pelo Grupo EDP na área de tecnologia eólica offshore). Licenciado em Engenharia Electrotécnica pelo Instituto Superior Técnico, certificado em Gestão de Projetos e com um MBA pela Universidade Católica Portuguesa. 11 anos de experiência profissional no sector energético, em particular em energias renováveis, eficiência energética e redes inteligentes.*

### **Lia Vasconcelos, Universidade Nova**

Lia Vasconcelos, Professor at the Department of Sciences and Environment Engineering of the Nova University of Lisbon, focuses her research on innovative decision-making processes, namely in developing methodologies for engaging multi-stakeholders in collaborative processes towards new forms of governance in public policy. In this context, she coordinated the MarGov Project aiming the development of collaborative model for governance for marine protected areas.

*Lia Vasconcelos, Professora no Departamento de Ciências e Engenharia do Ambiente da Universidade Nova de Lisboa, tem centrado a sua investigação em processos inovadores de decisão nomeadamente desenvolvendo metodologias para mobilizar e envolver stakeholders em processos colaborativos visando novas formas de governança em políticas públicas. Neste contexto, coordenou o Projecto MARGov que visou o desenvolvimento de um modelo colaborativo de governança para áreas marinhas protegidas.*



### **Marco Alves, WavEC – Offshore Renewables**

Marco Alves obtained his degree in Mechanical Engineering in 2000 and masters in 2003 at the Instituto Superior Técnico. In 2000 he started his activity in ocean energy at the Technical University in Lisbon in the field of hydrodynamics and numerical modeling of wave energy. Currently he is developing his PhD in Mechanical Engineering. In 2008 he joins the WavEC team being responsible for studies in this area. He is the Head of the Numerical Modelling Area of WavEC.

*Licenciatura (2000) e mestrado (2003) em Engenharia Mecânica pelo Instituto Superior Técnico. Iniciou a sua actividade em energia das ondas em 2000 no Instituto Superior Técnico, na área de hidrodinâmica e modelação numérica da extracção de energia das ondas, encontrando-se actualmente a concluir o doutoramento em Engenharia Mecânica nesta área. Em Janeiro de 2008 integrou a equipa do WavEC, responsável pelos estudos nesta área. Marco Alves é o coordenador da equipa de Modelação Numérica.*



### **Miguel Lopes, WavEC – Offshore Renewables**

Miguel Lopes has a degree in Civil Engineering (2005) and a PhD in Mechanical Engineering (2011, "Experimental Development of offshore wave energy converters"), both at Instituto Superior Técnico. After his degree he worked in construction engineering and in 2006 went back to IST, doing research on wave energy and wind action on buildings. His PhD, which started Dec/2006, was on the laboratory testing of wave energy converters. He has been one of the starters of the International Network on Offshore Renewable Energy (INORE). In September 2010 he joined WavEC to work in Monitoring, Due Diligence and Strategic Studies of Technologies. Miguel Lopes is head of the Monitoring and Technology Area.

*Miguel Lopes é licenciado em Engenharia Civil (2005) e doutorado em Engenharia Mecânica (2011, "Desenvolvimento Experimental de Sistemas Offshore de Energia das ondas"), no Instituto Superior Técnico. Após a licenciatura trabalhou em direcção de obra e em 2006 voltou ao IST, realizando investigação em energia das ondas e acção do vento sobre edifícios. O seu doutoramento, que começou em Dez/2006, foi sobre o teste em laboratório de conversores de energia das ondas. Foi um dos fundadores da International Network on Offshore Renewable Energy (INORE). Em Set/2010 juntou-se à equipa do WavEC, trabalhando nas áreas de Monitorização, Due Diligence e estudos estratégicos de tecnologias. Miguel Lopes é o coordenador da área de Monitorização e Tecnologia.*



### **Nuno Matos, WavEC – Offshore Renewables**

Nuno Matos has a degree in Telecommunication and Electronics at the IST in 1974. In the same year he started his activity at the TLP (Portugal Telecom – PT - since 1994) both at operational and engineering departments until 1981, when he joined the Commercial Direction. Commercial Director of Telepac (data communication company subsidiary of PT) since its creation in 1984. member of Telepac's Board between 1996 and 1999. Vice President of Lusa (Portuguese News Agency) between 2000 and 2003. Director of Revenue Assurance, Fraud and Credit Control of TMN (mobile company subsidiary of PT) between 2003 and 2007. WavEC's Consultant since 2009, becoming the head of the Public Policies and Dissemination Department since January 2010.

*Licenciatura em Telecomunicações e Electrónica no IST em 1974. Em 1974 iniciou a sua actividade nos TLP (Portugal Telecom desde 1994), tendo trabalhado em áreas operacionais e de engenharia até 1981, quando transitou para a Direcção Comercial. Director Comercial da Telepac desde a sua criação em 1984. Administrador da Telepac entre 1996 e 1999. Vice-Presidente da Agência Lusa entre 2000 e 2003. Director de Revenue Assurance, Fraude e Controlo de Crédito da TMN entre 2003 e 2007. Consultor do WavEC em 2009, passando a responsável do Núcleo de Políticas Públicas e Disseminação a partir de Janeiro de 2010.*



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## OFFSHORE PLATFORMS AND OPPORTUNITIES



### **Oddbjørn Malmo, Kongsberg Maritime**

Oddbjørn Malmo is General Manager of Technology in Kongsberg Maritime AS, Trondheim. He holds a Master Degree and a PhD in Physics from The Norwegian University of Science and Technology in Trondheim. The thesis for the PhD was within hydrodynamics and the utilization of Wave Power. He spent 7 years as a research engineer at SINTEF, working with hydro power, wave power and unsteady flow problems. Then he joined Bentech, a small research company specializing on hydroacoustics, shallow seismics and underwater vehicles. This company was in 1993 bought by Simrad which is now a part of Kongsberg Maritime. In 1999 he changed position to Autronica in Trondheim, whose main products are within maritime electronics. After an acquisition in 2000, the maritime part of this company now constitutes Kongsberg Maritime, Trondheim. Dr Malmo has held a number of technical and managerial positions within the company, but his main responsibility has been on development of sensors and instrumentation systems for maritime and offshore applications. Currently he is project manager for the development of a new condition monitoring system for Wind Turbines, which is a key element in Kongsberg Maritimes efforts to enter the Wind Power market.



### **Pål Bakken, Seaweed Energy Solutions**

Founder and CEO. Bakken has a BSc with honours in Finance and Marketing (University of Oregon, USA). Bakken's working experiences is all related to the ocean - as an officer in the Norwegian Navy, an entrepreneur in the aquaculture business, and through involvement in various marine renewable energy projects in Europe. For 7 years he was Founder and President of a seafood company in Japan and for 5 years he was President of Stolt Sea Farm Asia Pacific in Singapore. As a youth, he also gained invaluable hands-on experience in harvesting and processing of wild seaweed at his father's seaweed meal factory in Norway. Bakken speaks Norwegian, English, Portuguese and Japanese.

*Fundador e CEO. Bakken tem uma licenciatura com menção honrosa em Finanças e Marketing (Universidade de Oregon, USA). A experiência de trabalho de Bakken é toda relacionada com o oceano – como oficial na Marinha Norueguesa, empreendedor no sector da aquicultura, e através de participação em vários projectos de energia renovável marinha na Europa.*

*Durante 7 anos foi fundador e presidente duma empresa de marisco no Japão, e foi presidente da Stolt Sea Farm Asia Pacific em Singapura durante 5 anos. Enquanto jovem também adquiriu uma experiência prática inestimável em colheita e tratamento de algas selvagens na fábrica de farinha de algas do seu pai na Noruega. Bakken fala norueguês, inglês, português e japonês.*



### **Pedro Cabral**

Pedro Cabral has a degree in Electrical Engineering and a Master Automation Systems at the Faculty of Sciences and Technology of the University of Coimbra. He became the Director-General of Energy and Geology since August 2012. Moreover, from March 2012 to August 2012 Pedro was also Head of Security of Supply of the Office of Studies and Innovation of REN. Furthermore, Pedro was also Advisor to the Secretary of State for Energy from October 2011 to March 2012. Having previously served as a chief in REN and EDP.

*Licenciado em Engenharia Eletrotécnica e Mestre em Sistemas de Automação pela Faculdade de Ciências e Tecnologia da Universidade de Coimbra. É Diretor-Geral de Energia e Geologia desde Agosto de 2012. Foi chefe do Departamento de Segurança de Abastecimento do Gabinete de Estudos e Inovação da REN de Março a Agosto de 2012. Assessor do Gabinete do Secretário de Estado da Energia de Outubro de 2011 a Março de 2012. Tendo anteriormente exercido funções de chefia na REN e EDP.*

### **Teresa Fernandes, Portugal Ventures**

Teresa Fernandes is a Board Member of Portugal Ventures. Previously, she worked for ten years at AICEP and was responsible for strategic marketing and for attracting direct investment for Portugal. Has extensive experience in Product and Marketing Management has she held a number of management positions in Telecommunications companies (Portugal Telecom, Oniway, etc.). Teresa holds a B.S. in Computer Science from Universidade do Minho and master in public administration from Universidade Nova de Lisboa.

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### **Teresa Simas, WavEC – Offshore Renewables**

Teresa Simas is a marine biologist and started her career as a researcher on marine ecology at the New University of Lisbon where she did her PhD on marine environmental sciences. She worked as a consultant on marine ecological quality having participated in the Water Framework Directive implementation in Portugal and in a number of EIAs for marine projects. She joined the Wave Energy Centre in 2008 where she is currently the head of the marine environment team. Her research interests cover all aspects of the environmental impacts of marine renewable energy as well as the development of standards for marine ecological quality evaluation.

*Teresa Simas começou a sua carreira como bióloga marinha na Universidade Nova de Lisboa desenvolvendo investigação na área da ecologia marinha e obteve, na mesma Universidade em 2007, o grau de Doutor em ciências ambientais marinhas. Trabalhou em regime de consultoria em qualidade ecológica marinha nomeadamente na implementação da Directiva Quadro da Água em Portugal e em vários Estudos de Impacte Ambiental de projectos no meio marinho. Integrou a equipa do WavEC em 2008 onde coordena actualmente a Equipa de Ambiente Marinho. Os seus interesses de investigação cobrem todos os aspectos relacionados com os impactes ambientais da energia renovável marinha bem como o desenvolvimento de standards para a análise da qualidade ecológica marinha.*



### **Tiago Morais, INEGI**

(MSc) presently coordinates the Sea Projects team at INEGI. He holds an Msc in Electrical Engineering and Computers from the University of Oporto, through thesis defence on "Operational Study of Wave Farm Energy Conversion Devices into Electrical Grid Connection" at The Faculty of Engineering, University of Porto (FEUP). Since 2005 he has worked in several National and EU projects related to Ocean Renewable Energy, most of them as project manager. He was principle researcher in the development and implementation of a complete electrical system for a Wave Energy Device which is being developed by MARTIFER ENERGY SYSTEMS. His work has been published in scientific papers and in a wave energy device patent.

*(MSc) presently coordinates the Sea Projects team at INEGI. He holds an Msc in Electrical Engineering and Computers from the University of Oporto, through thesis defence on "Operational Study of Wave Farm Energy Conversion Devices into Electrical Grid Connection" at The Faculty of Engineering, University of Porto (FEUP). Since 2005 he has worked in several National and EU projects related to Ocean Renewable Energy, most of them as project manager. He was principle researcher in the development and implementation of a complete electrical system for a Wave Energy Device which is being developed by MARTIFER ENERGY SYSTEMS. His work has been published in scientific papers and in a wave energy device patent.*



### **Tiago Pitta e Cunha, Presidency of the Portuguese Republic**

Represented Portugal and the EU Member-States in the UN on Oceans Affairs (1999-202). In 2003 was appointed by Mr. Barroso, then Portuguese Prime-Minister, as Coordinator of the Oceans Strategic Commission. He was a member of the Cabinet of the European Commissioner for Fisheries and Maritime Affairs from November 2004 to February 2010, when he was in charge of the development of the EU Integrated Maritime Policy. He is currently Counsellor for environment, science and maritime affairs to the President of Portugal.



# BLUE ECONOMY

## OFFSHORE PLATFORMS AND OPPORTUNITIES



### **Trine Ingebjörg Ulla, Statoil**

Head of Floating Wind, Statoil. Trine is responsible for business development of floating wind in Statoil. Statoil is an energy company producing 1.9 million boe/d, who is gradually building a renewables platform within offshore wind. Statoil is an experienced deep water operator, and has developed the Hywind floating wind concept. Trine has more than 25 years of experience from the energy sector, holding numerous management positions in project development, operations and marketing. She joined the wind team in 2009. Trine holds a Master's Degree in Chemical Engineering from the Norwegian University of Science and Technology.

*Diretora de Energia Eólica Flutuante, Statoil. Trine é responsável pelo desenvolvimento de negócio na área da energia eólica flutuante na Statoil. A Statoil é uma empresa do setor da energia que produz 1,9 milhões de boe/d e que está gradualmente a construir uma plataforma de energias renováveis no âmbito da energia eólica offshore. A Statoil é um operador experiente em águas profundas e desenvolveu o conceito eólico flutuante Hywind. Trine possui mais de 25 anos de experiência no setor energético, tendo assumido diversos cargos de gestão em desenvolvimento de projetos, operações e marketing. Juntou-se à equipa de energia eólica em 2009. Trine tem um Master em Engenharia Química pela Universidade Norueguesa de Ciências e Tecnologia.*



### **Vergard Saur, Innovation Norway**

Vergard Bjørnsen Saur has a Master of Science in forestry-economics from Norwegian University of Life Sciences. He works as a senior advisor in Innovation Norway and manager of the Energy and Environment initiative at the office in Nord-Trøndelag. In addition to working with consulting, business development and financing, he works especially with the development of clusters in Energy and Environmental Technology. Vergard is part of the Innovation Norway international teams of experts in energy from wind and sea.

Innovation Norway is the Norwegian Government's most important instrument for innovation and development of Norwegian enterprises and industry. We support companies in developing their competitive advantage and to enhance innovation.

*Vergard Bjørnsen Saur possui um Master of Science em economia florestal pela Universidade Norueguesa de Ciências da Vida. Trabalha como consultor sénior na Innovation Norway e dirige a iniciativa Energia e Ambiente na filial de Nord-Trøndelag. Além de trabalhar em consultoria, desenvolvimento de negócio e financiamento, trabalha em particular no desenvolvimento de clusters de Tecnologia Energética e Ambiental. Vegard faz parte de equipas internacionais de especialistas em energia eólica e do oceano da Innovation Norway. A Innovation Norway é o mais importante instrumento do Estado norueguês no que toca à inovação e ao desenvolvimento das empresas e da indústria norueguesas. Auxiliamos as empresas a desenvolver as suas vantagens competitivas e a melhorar a inovação.*