



ANA PAULA VITORINO Minister of the Sea of Portugal

It is a great pleasure for me to welcome you to Portugal, for the International BioMarine Business Convention. Portugal's existing added value (geostrategic location, highly skilled human resources, existing infrastructures and ocean natural resources) makes our country a natural option for blue economy business at global level.

The traditional maritime sector and the emerging sectors, like the marine biotechnology, are highly valuable assets for Portugal as they enable our economy to innovate and develop. This is an ambitious strategy that aims to support our knowhow, in order to develop the enormous potential of our maritime space in a sustainable way that is not only respectful of the ecosystems, but also profitable for the economy.

Fortunately, Portugal is facing a reorganisation of several groups working on the marine sector that understand that together they are stronger and more competitive. This is the case of a cluster of players (companies, research groups, associations) working in the marine bioresources and blue biotech value chain. I truly believe in cross collaboration between activities and sectors of the blue economy, nationally and internationally. This is why Portugal is supporting the Organisation of this Convention in 2018, promoting Portuguese companies and providing a privileged space to stimulate sustainable business in the marine bioresources area. This is an exceptional opportunity to set the groundwork for fruitful new partnerships, benefitting both our societies and our environment.

Therefore, it is my honour to invite all of you to come to Portugal to share the latest developments regarding the Ocean and the evolution and opportunities that our country offers for a sustainable blue economy.



Globalization by sea was driven by Portuguese sailors, explorers and adventurers.

For the first time the entire world was connected and Cascais was in the front seat of Discoveries. We are proud heirs of that past. But we keep our eyes on the future.

We keep the tradition safe as we stand for sustainable oceans exploration.

We inspire the spirit of adventure as we secure law enforcement on resources protection.

We look at the sea today as we did in the past: pledging for security and education and science through oceans.

Now is the time to globalize solutions for our maritime re-

Cascais is the right place to invest and test ideas. We invite all innovative partners to join us in developing the blue economy.

BioMarine and Cascais will certainly do it over, at least, the next four years.



CASCAIS



Portugal Blue Economy

Sustainable Growth in Action

**Blue Economy** Total Economy Turnover

(2013-2016)



In the same period of time PORTUGAL'S GDP has grown



**Blue Economy** High Performance Sectors

(2013-2016)

Fisheries & Aquaculture





Shipbuilding



**Cruise Business** 

Fish Industry

Average price of first sale (2015-2017)



+23%

Fish exports (2015-2017)





Passengers (2015-2017)

Stopover

(2015-2017)



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#### WHY CASCAIS? **CASCAIS IS SEA-ORIENTED**



Cascais has always been sea-oriented. Its geography with a relatively sheltered cove and the marine richness, which is due to the diversity of fish species, has given Cascais a natural harbour of refuge that became an important fishing centre.

Located on the so-called Lisbon peninsula, Cascais is surrounded by sea to the west of the Tagus Estuary between Serra de Sintra and the Atlantic Ocean. The most frequent wind which comes from the north-northeast and which is stronger during summer months is responsible for the cooling of the sea surface temperature thus enriching the water with nutrients and allowing the development of plankton and other fish. For this reason, the Cascais Sea has a high marine and habitat diversity. The extensive rocky platforms, which characterize the coast, serve as shelter for many animals (more than 80 different species) including sea-breams, white breams, gobies, black sea-breams and conger, among others. This biodiversity is protected along two kilometers between the beaches of Parede and S. Pedro do Estoril and a guarter of a mile towards the sea. Cascais has the first Marine Protected Area in Portugal under municipal management - a proof that the Cascais Municipality has technical and political capacity regarding the protection of the oceans. In Cascais, the quality of life is inseparable from the quality of the sea. The involvement of local communities has been another tool of work in Cascais, due to the understanding that the community needs to adapt itself regarding environmental issues as a success key for the implementation of measures on the ground.

This year, upon receiving BIOMARINE - the largest platform of companies related to biotechnology of the sea - once again, Cascais imposes itself as the host and catalyst of meetings for the promotion of marine resources exploitation. This year, it aims at mirroring the potential of the various activities related to the sea as one of the most valuable for the growth of the Municipality. Cascais has an Atlantic dimension, where its territory is assumed in a more broadly way. Its maritime territory influences the terrestrial territory and its communities. Innovative projects have been started through the DNA Cascais and over the last II years, as a corporate nest, it has supported the creation of more than 320 enterprises. Some projects related

to the sea are worth being highlighted : social projects such as Wave by wave which was started by two sea and surf lovers. A national surf champion and a psychologist have seen the transforming power of this sport, thus creating a therapeutic project that transformed surf into a tool of promotion of mental health and wellness and bringing surf to populations that are at risk of

Even industries, such as Xhapeland, which is specialized in the production, through the use of advanced technology, of highquality boards suitable for all surf levels and conditions. In the aeronautics sector, Optimal Structural Solutions is a national benchmark that uses space technology for more energyefficient solutions through the production of lighter composite

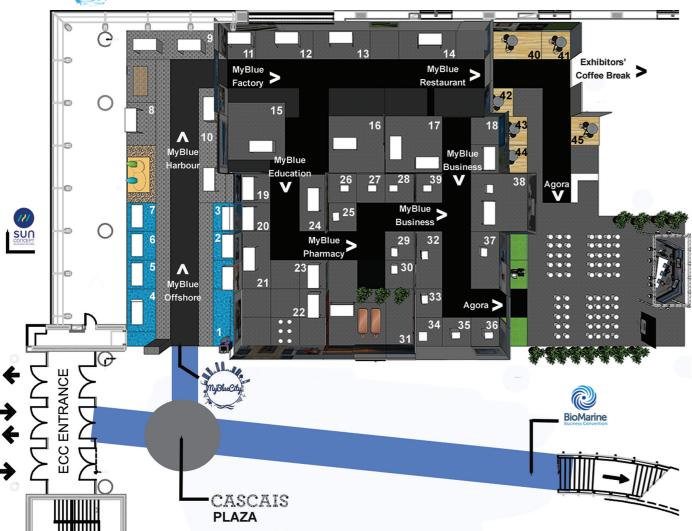
We aim to be the place for the largest international network of partnerships in the sea field that includes not only industries but also research centres. As Cascais lives with and to the sea in past, present and future - we wish for it to be the driving force of discussion regarding its environmental valuation, economic dynamism, innovation and competitiveness.

Cascais is sea-oriented!





## **MYBLUECITY** FLOOR PLAN



#### **Entrance and Congress Hall**

Sun Concept – Solar Boat Builders Cascais Municipality

#### MyBlue Offshore and Harbour

- I. Registration desk
- 2. SpilLess
- 3. PenWave
- 4. SafetyMar
- 5. TOPAME
- 6. mOceanSense
- 7. SurfSocialWave
- 8. Undersee
- 9. Docapesca Portos e Lotas, S.A
- DGRM Direção-Geral de Recursos Naturais, Segurança e Serviços Marítimos APP – Associação dos Portos de Portugal

#### MyBlueFactory

- 11. Lusalgae
- 12. Algatec EBP
- Biotrend
- 14. University of Coimbra FCT

- 15. IPMA, I. P. Instituto Português do Mar e da Atmosfera, I. P.
- CIIMAR Interdisciplinary Centre of Marine and Environmental Research
- 17. Olmix Group / ALGAplus
- 18. AllMicroalgae

#### MyBlueEducation

- 19. University La Rochelle
- 20. MARE
- 21. University of Algarve
- 22. Université Côte d'Azur
- 23. Nova University of Lisbon FCT
- 24. University of Aveiro CESAM

#### MyBluePharmacy

- 25. CyanoCare
- 26. Sea4Us
- 27. MARE
- 28. University of Minho 3Bs
- 29. Bluevert
- 30. Jellagen
- 31. MyBlueSpa Thalasso Caparica

#### MyBlueBusiness

- 32. SPEGC Bioasis
- 33. Incubadora Mar & Indústria
- 34. Fórum Oceano
- 35. BlueBio Alliance
- 36. Plataforma Tecnológica do Mar
- 37. Blue Bio Value
- 38. DGPM Direção-Geral de Política
- 39. Mermaid Investments (3 October)

#### MyBlue Restaurant

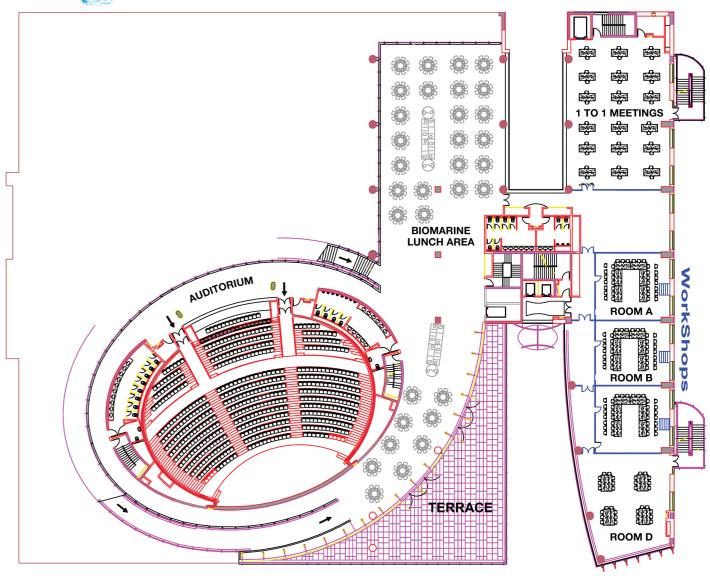
- 40. Alguimya
- 41. Docapesca Portos e Lotas, S.A
- 42. Acipenser, Sociedade Portuguesa de Produção de Caviar
- 43. MARE
- 44. SEAentia food
- 45. Olmix Group / ALGAplus

#### Agora

Pitches and Debates



### **BIOMARINE CONVENTION** FLOOR PLAN



#### **SHARE YOUR EXPERIENCE!**



Network : BioMarine2018 Password : biomarine



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Connect with other delegates! Interact in forums during sessions!



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Join the Biomarine community if you are not a free member yet: https://biomarine.org

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## MARINE MICROALGAE HAVE ENDLESS APPLICATIONS

- FOOD AND FEED PRODUCTS
- COSMETICS, NUTRACEUTICALS & PHARMACEUTICALS
  - WATER PURIFICATION
  - BIOENERGY PRODUCTION
- CARBON DIOXIDE BIOREMEDIATION





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## **PROGRAM** AT A GLANCE



TIME	OCTOBER 2	O	CTOBER 3		C	OCTOBER 4		
8:00 - 9:00		Registrations						
			Society : can we	3 X				
9:00 - 9:30			catalyze a shift toward algae	Pitching	Nie zwyle	Innovation :	_	
9:30 - 10:00				protein in human diets?	3 X Pitching	New trends : is seaweed the Holy Grail for	new blue biomaterials	
10:00 - 10:30		Innovation Coffee Break worskhop BioPlastic Cosmetic Brands:	Coffee Break	Break	consumer nutritional messaging?	(shipping, sur- fing, aerospace, bioplastics)	5	3 X Pitching
10:30 - 11:00	Lower North Shore		3 X Pitching	Coffee	Break	de Sessic	ITV Brands	
11:00 - 11:30	Community : Private & Public		give your brand a makeover?	3 X Pitching	ng Edge : the gro-	How to design an attractive	CIIMAR Side Session	3 X Pitching
11:30 - 12:00	partnerships		Networking Break	Debate Innovation	wing role of ma- rine ingredients & biomolecules	Blue Accelera- tor program?	Ö	Debate Cosmetics
12:00 - 12:30								
12:30 - 13:00		Networking Lu			Network	ing Lunch		
13:00 - 13:30		and Itol	meetings		and ItoI meetings			
13:30 - 14:00								
14:00 - 14:30	Press conference		Blue Investment	ITV Ports	Food innovation : how to unleash the	Pharma trends : next generation biomaterials for		
14:30 - 15:00	Inauguration of MyBlueCity		Pito	3 X Pitching	potential of novel food?	cell culture and tissue engineer-ing application		
15:00 - 15:30	Пувшеску	Innovation worskhop	Coffee Break	Debate Blue Education	Coffee	Break		
15:30 - 16:00		Algae Novel Food	Blue Innovation : impact of new	3 X Pitching	Focus on Biofilms for an-	Conclusions Valormar		
16:00 - 16:30			technologies on the sustainable dev. of cosmetics	3 X Pitching	tifouling in aqua- culture, shipping, and offshore	Conclusions Co-op		
16:30 - 17:00			Networking Break	Debate Bio- Materials		ste of Portugal"		
17:00 - 17:30	How to design an attractive sustainable blue vision?	Will Micro Algae	be in our plates tomorow?		Closing	Cocktail		
17:30 - 18:00		Food tasting, interactive panel discuss		ission				
20:00	Welcome Reception Cidadela de Cascais (BioMarine Delegates)	(PioMovino Delegatos)		E	BioMarine Afters			

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# CONFIDENCE BUILT ON EXPERIENCE





## **PROGRAM**TUESDAY, OCTOBER 2<sup>ND</sup>



9:30 - 12:30	Private & Public partnerships: the global co-op association (Invitation Only)  Developing public partnership to invent a new sustainable socio-economic model is a very attractive concept. Through the lower north shore community example, we will learn how to implement this new business approach at global level. The recommendations will be discussed in the final session on the 4th afternoon.	
14:00 - 14:30	Press Conference	
14:30 - 15:30	Inauguration of MyBlueCity	
<b>15:30 - 16:30</b>	BioMarine Opening Session  - Welcome words: Carlos Carreiras, President of Municipality of Cascais  - H.E. Marcelo Rebelo de Sousa, President of Portugal  - Ana Paula Vitorino, Minister of the Sea, Government of Portugal  - Raul de Jesus Elenes Angulo, Minister for the Seas, next Governement of Mexico	
<b>1</b> 6:30 - 16:55	Blue Challenges Delia Simental, CEO Coco Chavita, Mexico: Building a blue sustainable and profitable business around sea cucumbers João Fernandes, Global Industry Segments Manager, Amorim Cork Composites, Portugal: Marine ingredients and cork to develop a new generation of biomaterials	
<b>17:00 - 18:00</b>	Blue Regions: how to design an attractive sustainable blue vision?  Chair: Tony Haymet, Director & Vice-Chancellor Emeritus, Scripps Institution of Oceanography, USA Panelists: Raúl García Brink, Council Member in charge of economics and energy, Cabildo do Gran Canaria, Spain - Gui M. Menezes, Regional Secretary for the Sea, Sciences & technology, Government of Azores, Portugal Patrice Dionne, President – Executive Committee Quebec Marine Biotechnology Sector, Canada - Angela Schultz-Zehden, Managing director of SUBMARINER Network for Blue Growth EEIG, Germany	
19:30 - 21:30	Welcome Reception, Cidadela de Cascais in presence of H.E. President Marcelo Rebelo de Sousa (BioMarine and VIP guests only)	



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#### **PROGRAM** WEDNESDAY, OCTOBER 3RD



8:00 - 9:00	BioMarine Registrations
9:00 - 12:00 Room D Innovation Workshop	Blue Biotech: consortium of SMEs to develop new biodegradable bioplastic:  Even if biodegradable bioplastic and packaging is a minefield of confusing messages, BioMarine has decided to engage and will launch a new approach. Plastics are useful and when used correctly they have true positive impacts on our lives. We can estimate that Biopolymer or biodegradable plastic will definitively contribute to a more positive environmental impact. In this context our innovation workshop will discuss some key questions and will prepare the grounds to establish an international consortium of SMEs.  Moderators: Alessandro Pititto and Anna Kesicka, Cogea Italy Reporter: Meredith Lloyd-Evans Managing Director, BioBridge, UK
9:00 - 10:00 Room A Workshop	Can we catalyze a shift toward algae protein in human diets?  Moderator: Jean Christophe Sergère, independent expert, France Panelists:  - Pedro Escudero, CEO BuggyPower, Portugal  - Fabrice Bohin, CEO Algaia, France  - Jaroslav Kravolec, Senior Director of Chemistry, DSM Nutritional Products, Canada
9:00 - 10:00 Agora	Pitchings
10:00 - 10:30	Coffee break  Solutions  Coffee break
10:30 - 11:30 Room A Workshop	Cosmetic Brands: give your brand a Makeover?  Moderator: Liliana George, Ph.D., President Pure Beauty Concepts, USA Panelists: - Alisa Marie Beyer, Founder & CEO LemonTree Partners, USA - Tony Jaillot, Intrapreneur & General Manager, Cargill Beauty, France - Lana Glazman, branding consultant, former Vice President, Coporate marketing & innovation, Estee Lauder Companies, Europe
10:30 - 11:30 Agora	Pitchings
11:30 - 12:00 Agora	Debate on Blue innovation  Moderator: Haydar Alsahtout Advisor, Saudi Aquaculture Society, Kingdom of Saudi Arabia - Vitor Vasconcelos, President of the Board, CIIMAR, Portugal - Stephen O'Leary, Team Lead, Algal Genomics and Synthetic Biology, NRC Canada
12:00 - 14:00 Lunch Area	BioMarine delegates' networking lunch Intro words : Ruben Eiras, Director General DGPM, Portugal

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How to adapt the food matrix to unleash the potential of algae and marine ingredients? olmix Group To develop a competitive position in the field of microalgae, and marine ingredients 14:00 - 17:00 the most important challenges are cost reductions, technical breakthroughs and a more flexible food matrix. Some weaknesses of the European algae sector are the low internal demand for Room D microalgae-based food and feed products and the difficulties in achieving commercial authorization of algae-**Innovation Workshop** derived products in the EU markets due to the Novel Food regulation in Europe... Moderators: Alessandro Pititto and Anna Kesicka, Cogea Italy Reporter: Meredith Lloyd-Evans Managing Director, BioBridge, UK Blue investment ready to flow? Seventure Moderator: Vasco Weinberg, Faculty of Law, Universidade NOVA de Lisboa 14:00 - 15:00 Panelists: Room A - Isabelle de Cremoux, CEO, Seventure, France Workshop - Alfonso Romo Garza, Founder & Chief Executive Officer, Pulsar Internacional, Mexico - André Navarro, Global Head of Investment Banking, Millennium Bank, Portugal - Laurent Smolen, Managing Director, Olkad, Luxembourg Interview: ports and environment 14:00 - 14:30 Interviewer: Martin Beaulieu, Managing Director, SOPER, Canada Agora José Carlos Simão, Director General DGRM, Portugal 14:30 - 15:00 **Pitchings** Agora nutrally 15:00 - 15:30 Coffee break Debate on blue Education Moderator: Pierre Erwes, BioMarine Chairman 15:00 - 15:30 - Tony Haymet, Director & Vice-Chancellor Emeritus, Scripps Institution of Oceanography, USA Agora - Christophe Mocquet, Program director MSc. MARRES, Université Côte d'Azur, France - Stéphanie Bordenave, director, Biotechnology Master's degree, University La Rochelle, France Blue Innovation: impact of new technologies on the sustainable **SEPPIC** dev. of cosmetics 15:30 - 16:30 Moderator: Liliana George, Ph.D., President Pure Beauty Concepts, USA Room A Panelists: - Sébastien Duprat de Paule, Innovation Director, SEPPIC, France Workshop - Patrice Dionne, CEO, innoVactiv, Canada - Frédéric Niola, Global innovation director, Cargill Beauty, France 15:30 - 16:30 **Pitchings** Agora Debate on biomaterials 16:30 - 17:00 Moderator: Bruno Ferreira, CEO Biotrend Portugal - João Fernandes, Global Segment Manager, Amorim Cork Composites, Portugal Agora - Maria Stewart, BO Sens - Bioplastic sector initiative, Switzerland Micro Algae Public Debate - Will Micro Algae be in **BUGGY POWER** our plates tomorow? Food tasting, interactive panel discussion Moderator: Sofia Mendonça, Business Development Manager, Allmicroalgae, Portugal 17:00 - 18:00 Agora - Pedro Escudero, CEO BuggyPower, Portugal - Chef Henry Upsall, Alguimya, Portugal - Food Journalist, Portugal 20:00 - 22:30 City of Cascais Reception (BioMarine Delegates) Hotel Palacio Estoril

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## **PROGRAM**THURSDAY, OCTOBER 4<sup>TH</sup>



10:00 - 12:00 Room D Workshop	BLUEandGREEN – how can we innovate in green in the development of a blue economy?		
9:30 - 10:30 Room A Workshop	New trends: is seaweed the Holy Grail for consumer nutritional messaging?  Moderator: Caroline Haukeland, Founder & CEO, Polar Algae, Norway Panelists:  Helena Abreu, CEO AlgaPlus, Portugal Pi Nyvall Collén, R&D manager, Olmix Group, France Eyal Shalmon, Chairman of the Board, Maabarot Products, Israel		
9:30 - 10:30 Room B Workshop	Innovation: new blue biomaterials (shipping, surfing, aerospace, bioplastics)  Moderator: Maria Stewart, BO Sens - Bioplastic sector initiative, Switzerland Panelists: - Eduardo Soares, Innovation Director, Amorim Cork Composites, Portugal - Philippe Lavoisier, Director General, Eranova, France - Stephen O'Leary, Team Lead, Algal Genomics and Synthetic Biology, NRC Canada		
10:00 - 10:30 Agora	Pitchings		
10:30 - 11:00	Coffee break  Solutions  Coffee break		
10:30 - 11:00	Interview Interviewer: Pierre Erwes, Chairman BioMarine - Alisa Marie Beyer, CEO LemonTree Partners, USA		
II:00 - I2:00 Room A Workshop	Nutraceutical Edge: the growing role of marine ingredients & biomolecules  Moderator: Lilja Kjalarsdottir, COO, SagaNatura, Iceland Panelists:  Joana Silva, R&D Director, Allmicroalgae, Portugal Ragnhild Whitaker, Research Director, Nofima, Norway Francis Kurz, President & CEO, Algae Natural Food, France		

II:00 - I2:00 Room B Workshop	Moderator: Helena Vieira, Executive Director, Blue Bio Alliance, Portugal Panelists:  - Tiago Pitta e Cunha, CEO Oceano Azul Foundation, Portugal - Efthalia Arvaniti, Program manager, SubMariner Network for Blue Growth EEIG, Germany - Juan Ramón Rodriguez Aleman, Manager for Blue Economy, Las Palmas De Gran Canaria, Spain
11:00 - 11:30 Agora	Pitchings
11:30 - 12:00 Agora	Debate on Cosmetics ingredients  Moderator : Ana Ferreira, BioMarine  - Stephane Lacoutiere, Global Marketing Director Personal Care, Cargill Beauty, France  - Levent Piker, Managing partner, Coastal Research & Management, Germany  - Maud Saint-Pierre, CEO, DCP dermosciences, Canada
12:00 - 14:00 Lunch Area	BioMarine delegates' networking lunch
14:00 - 15:00 Room A Workshop	Food innovation: how to unleash the potential of novel food?  Moderator: Alexandra Mosch, Business Development, Severino Becagli, Italy - David Courtemanche, CEO Merinov, Canada - Øyvind Fylling-Jensen, CEO Nofima, Norway - Sofia Mendonça, International Business Development, Allmicroalgae, Portugal
14:00 - 15:00 Room B Workshop	Pharma trends: next generation biomaterials for cell culture and tissue engineering application  Marine Biotechnologies  Moderator: Joana Moreira-Silva Science and innovation office, Ciimar, Portugal - Sebastien Ferraz, CSO Lagosta, Monaco - Andrew Mearns Spragg, Founder & Chief Scientific Officer, Jellagen, UK - Delia Simental, CEO, Coco Chavita, Mexico
15:00 - 15:30	Coffee break  Solutions  Coffee break
15:30 - 16:30 Room A Workshop	Focus on Biofilms for antifouling in aquaculture, shipping, and offshore  Moderator: Noemie Giguère, CEO Technopole Maritime du Québec, Canada - Gonçalo da Costa, Chief Scientific Officer, BioMimetx, Portugal - Juergen Riegler, Global Business Director Antifouling Paints, Lonza, Switzerland - Maria Emilia Sousa, researcher, Ciimar, Portugal
15:30 - 16:00 Room B	Presentation Conclusions Valormar Joana Moreira Silva, Science and Technology Officier, Ciimar, Portugal Vitor Vasconcelos President of the Board, Ciimar, Portugal
16:00 - 16:30 Room B	Presentation Conclusions International Co-op
16:30 - 17:30 Lunch Area	Docapesca "Taste of Portugal" Welcome Words from Teresa Coelho, President

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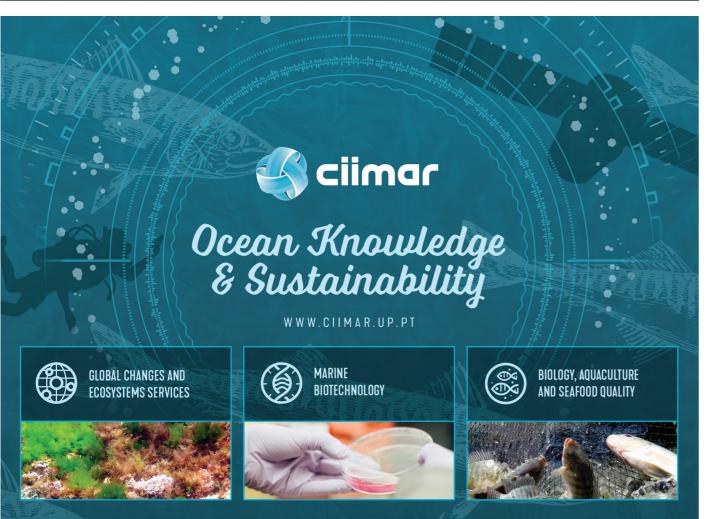
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Ragnhild Dragøy Whitaker is highly satisfied with the latest upgrading of the Biotep pilot plant.

## Innovation drives tomorrow's solutions

Nofima is one of Norway's most innovative companies. With good infrastructure and close contact with industry, our researchers help industry with new solutions.

This year, we are working even more closely with industry and have established our own strategic centre, called Peptek. Targeted research will increase the economic benefits of the proteins found in residues from fisheries and aquaculture.

### Contact our representatives at BioMarine 2018:



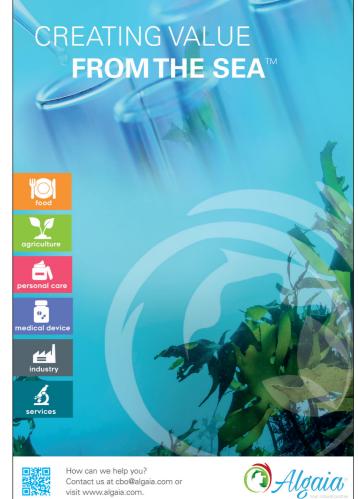
 Øyvind Fylling-Jensen CEO, Managing Director



Ragnhild Dragøy Whitaker
 Research Manager Marine Biotechnology

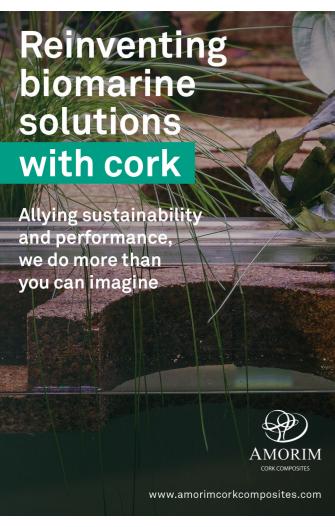


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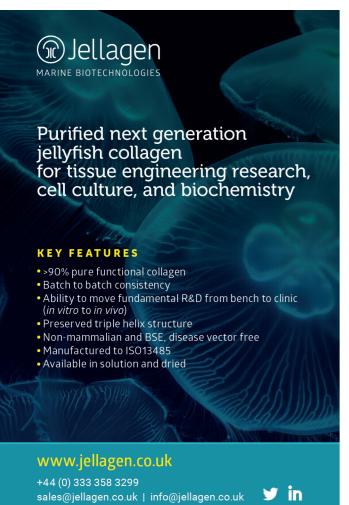




BIOMIMETX IS INSPIRED BY NATURE TO RESERCH, DEVELOP AND COMMERCIALIZE NATURAL AND INNOVATIVE BIOCIDES











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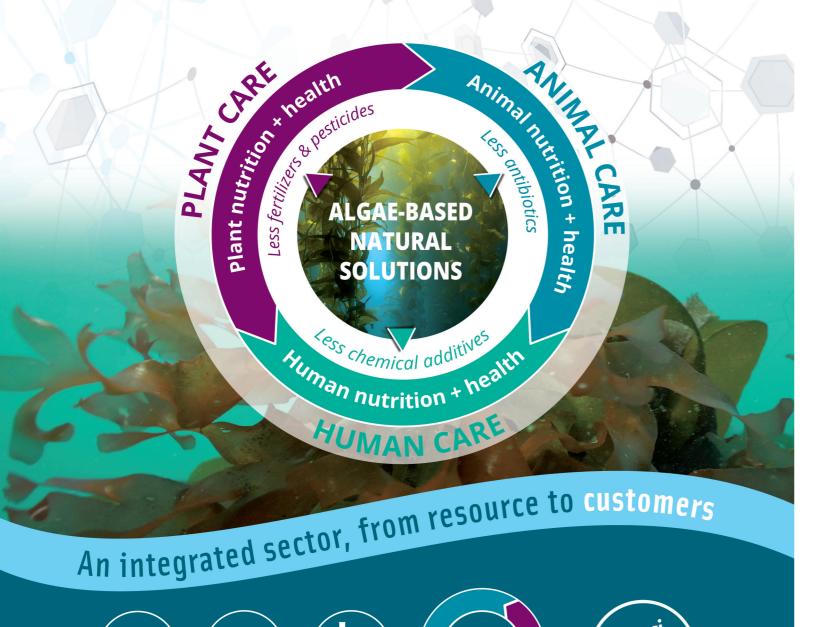




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## THE OLMIX GROUP'S GLOBAL APPROACH A healthy food chain thanks to algae!





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NOTES


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