



European
Commission

Bioeconomy Investment Summit **2015**

9-10 November | Brussels

Research and
Innovation

Welcome message from

Carlos Moedas Commissioner for Research, Science and Innovation



As we all know, our planet faces complex interrelated challenges. Our current model of production and consumption, largely relying on fossil-based resources, threatens to irreversibly damage our climate and our environment. Our demands for biological resources for food, materials and energy keep growing while the world economy and its population expand. Our response to these challenges will define this century.

The bioeconomy – which encompasses the production of all biomass types and the conversion of these resources and waste streams into value-added products – offers us a unique perspective to address the multi-dimensional challenges of food security, energy security, climate change, environmental protection and industrial renewal. The concept's key strength is that it forces us to think in an overarching way about how we can most efficiently, innovatively and sustainably exploit our natural resources, be it for food, energy or material production.

The European Commission is currently taking important steps to make our economy more circular, more sustainable. But there cannot be any meaningful circular economy without a strong bioeconomy. Biological “waste” – food waste, municipal organic waste, or various agricultural and industrial residues and by-products – is simply too valuable a resource to be ignored.

Moving forward first and foremost requires mobilising all of our research and innovation capacity in Europe. But this will not be enough. We all know we have great research capabilities, but we also know that public research outcomes do not easily translate into further investment by the private sector. Without such investment the transition from a fossil-based economy to a bio-based economy will simply not materialise.

As Commissioner for Research, Science and Innovation, I want to ensure that barriers to investments are removed, and that the EU is coherent in all the policy fields that relate to the bioeconomy. This notably includes agricultural and fisheries policy, energy and climate policies, industrial policy and environmental policies. In the years to come, I intend to act on all these fronts with my fellow Commissioners to catalyse more investment in the bioeconomy.

As a first step, I have organised the Bioeconomy Investment Summit to take stock of the progress in the bioeconomy and to reflect on what is holding investment back in the EU. The discussions that take place during the two days of the Summit will allow us to exchange views and learn from different experiences across the EU. The summit will also provide you the opportunity to learn from the most tangible results of research and innovation in the bioeconomy. I wish all participants and guests insightful and stimulating discussions, which I hope will further help us progressing towards the bioeconomy.

Carlos Moedas,
Commissioner for Research, Science and Innovation



A bioeconomy for Europe: using resources from land and sea for a post-petroleum economy

The Bioeconomy Investment Summit

Programme

Over the two days of the summit, an exhibition of projects (“Bioeconomy village”) showcases the tangible results of some bioeconomy projects in the marine, agri-food, forestry and waste themes.

On the ground floor of the Charlemagne building, a “bioeconomy appartement” displays how the bioeconomy will make it into our home and daily-life products.

Both exhibitions remain open throughout the event.

DAY 1

Monday, 9 November 2015

Venue: Brussels, Charlemagne building, de Gasperi room

Unlocking EU leadership in 21st Century Bioeconomy

08:30 – 09:15

Registration

09:15 – 09:45

Welcome and setting the Scene

Carlos Moedas, Commissioner for Research, Science and Innovation

Phil Hogan, Commissioner for Agriculture and Rural Development

09:45 – 10:45

Investing in the Bioeconomy

Jonathan Taylor, Vice-President of the European Investment Bank Management Committee responsible for Environment and Climate Action

Mari Kiviniemi, Vice-Deputy Secretary-General of the OECD

Catia Bastioli, CEO of Novamont, President of Terna

Denis Lucquin, Managing Partner and Chairman of Sofinnova Partners

Jyrki Ovaska, Executive Vice President of Technology at UPM

Moderator: **Jacki Davis**, Journalist and moderator

10:45 – 11:15

Coffee Break

11:15 – 12:15

Agriculture, Food and Bio-Based Products

Business case presentation

Presentation of **Eurocob**, an initiative led by the cooperative Euralis in the use of corn cobs in France and Hungary to produce a large range of products from industrial absorbents to cosmetics, by **Claude Leprêtre**, General Manager of Eurocob

Panel discussion

Siobhán Talbot, Group Managing Director of Glanbia

Xavier Beulin, President of Sofiproteol, President of the “Fédération Nationale des Syndicats d’Exploitants Agricoles” and Vice-President of COPA

Daan Dijk, Managing Director of the Biomaterials Supply Chain at Rabobank

Eric Sievers, CEO of Ethanol Europe Renewables

Moderator: **Vivienne Parry**, BBC radio broadcaster/science presenter

12:15 – 13:15

From Forestry to New Bio-Based Products

Business case presentation

Presentation of **Metsä Fibre’s** project to build the first nextgeneration bio-product mill in Europe (Äänekoski, Finland), by **Ilkka Hämälä**, CEO of Metsä Fibre

Panel discussion

Gunilla Saltin, President of Sodra Cell

Aljoscha Requardt, Secretary General of the European Confederation of Forest Owner (CEPF)

Linde Zuidema, Policy Advisor at FERN

Nella Baerents, Sustainability Policy Director for Europe at Arizona Chemical B.V.

Moderator: **Quentin Cooper**, BBC radio broadcaster/science presenter

13:15 – 14:45

Lunch break

14:45 – 15:45

Looking ahead: the Marine and the Bioeconomy

Business case presentation

Presentation of **GreenSea**, a company producing marine ingredients, derivatives of macroalgae or microalgae, by **Jean-Paul Cadoret**, Managing Director of GreenSea

Panel discussion

Lara Barazi-Yeroulanos, CEO of Kefalonia Fisheries S.A.

Gesine Meissner, Member of the European Parliament, President of the European Parliament Intergroup Seas, Rivers, Islands and Coastal Areas

Peter Van den Dorpel, CEO AlgaeLink NV

Helena Vieira, Marine biotech expert at the Science Faculty of the Lisbon University

Moderator: **Vivienne Parry**, BBC radio broadcaster/science presenter

15:45 – 16:45

From Bio-waste to Bio-based Goods and Services

Business case presentation

Presentation of technology prototyping for bioplastic production as a by-product of wastewater treatment services for Veolia and Aquiris in Brussels, by **Alan Werker**, Manager R&D, Cella™ Technologies at Anoxkaldnes

Panel discussion

Jesús López, Vice-President for EU Affairs and IR, Abengoa Bioenergy

Miapetra Kumpula-Natri, Coordinator of the European Parliament working group on the bioeconomy (Inter-group on Climate, Biodiversity and Sustainable Development)

Thierry Stadler, President of IAR (Cluster Industries & Agroressources)

Ward Mosmuller, Director of Corporate public affairs, DSM

Moderator: **Quentin Cooper**, BBC radio broadcaster/science presenter

16:45 – 17:15

Break

17:15 – 18:15

Facilitating Investment in the Bioeconomy

Jyrki Katainen, European Commission Vice-President for Jobs, Growth, Investment and Competitiveness

Mairead McGuinness, Vice-President of the European Parliament

Markku Markkula, President of the EU Committee of the Regions

Carmen Vela, Spanish State Secretary for Research, Development and Innovation

Moderator: **Jacki Davis**, Journalist and moderator

18:15 – 19:30

Reception and networking event

20:00

Gala Dinner (private event hosted by Commissioner Carlos Moedas)

Key note speeches by

Gunter Pauli, Founder and Director of Zero Emissions Research and Initiatives, Author of “The Blue Economy: 10 years - 100 innovations - 100 million jobs”

George Freeman, UK Minister for Life Sciences

DAY 2

Tuesday, 10 November 2015

Show and Tell: **The Impact**
of EU Bioeconomy Research and Innovation

09:00 – 09:10

Opening (de Gasperi room)

John Bell, Director of Bioeconomy at the European Commission,
Directorate-General for Research and Innovation

09:10 – 10:00

Panel discussion (de Gasperi room)

Building on 30 years of EU Framework Programmes from biotechnology to the bioeconomy, and ten years of the knowledge-based-bioeconomy. Impacts and prospects for the European bioeconomy

Markus Norström, Business Area Manager at the Technical Research Institute of Swedenn

Nathalie Moll, Secretary General of EuropaBio, member of the European Bioeconomy Alliance

Christine Lang, co-Chair of the German Bioeconomy Council

Hosted and moderated by **Christian Patermann**, Member of the BioEconomy Council of the German Government

10:00 – 10:30

Coffee break

Parallel sessions

	Jenkins room	Mansholt room
10:30 – 11:30	<p>Agri-food</p> <ul style="list-style-type: none"> • Project presentations <ul style="list-style-type: none"> - NAMASTE - NOSHAN - FOODMETRES - EUROPRUNING - BIOCORE - AGROCOS • Round-table discussion <p><i>Moderator:</i> Catherine Eccles, DG RTD, and Virginie Rimbert, DG AGRI</p>	<p>Forestry</p> <ul style="list-style-type: none"> • Project presentations <ul style="list-style-type: none"> - PROLARIX - STARTREE - INFRES - WOODWISDOM - WOBAMA - ECO2WOOD • Round-table discussion <p><i>Moderator:</i> Doru Irimie, DG RTD</p>
11:45 – 12:45	<p>Marine</p> <ul style="list-style-type: none"> • Project presentations <ul style="list-style-type: none"> - ARRAINA - SECUREFISH - MIRACLES - BIOCLEAN - PHARMASEA - BYEFOULING - MARINE BIOTECH ERANET • Round-table discussion <p><i>Moderator:</i> Sigi Gruber, DG RTD</p>	<p>Bio-waste, residues and the circular economy</p> <ul style="list-style-type: none"> • Project presentations <ul style="list-style-type: none"> - TRANSBIO - BRIGIT - BIOWASTE4SP - CHIBIO • Round-table discussion <p><i>Moderator:</i> Thomas Dodd, DG RTD</p>

12:45 – 14:00

Lunch Break

	Jenkins room	Mansholt room
14:00 – 14:45	<p>Regional opportunities for investments in the bioeconomy: synergies between H2020 and ESIF</p> <p>Regional investments using ESIF and synergies with H2020 Katja Reppel, DG REGIO</p> <p><u>Case 1:</u> Regional investments on bioeconomy: The case of the Champagne region Christophe Luguel Head of International Affairs Competitiveness Cluster – Industries & Agro-resources, Laon Cedex, France,</p> <p><u>Case 2:</u> Focusing on bioeconomy regional investments: the case of Navarra Manuel Rodriguez, CEO of ADItech, Navarra region/Spain</p> <p>Q&A</p> <p><i>Moderator:</i> Dimitri Corpakis, DG RTD</p>	<p>Investing in bio-based activities: the role of BBI Joint Undertaking</p> <p>Presentation of the BBI-Joint Undertaking</p> <p>Presentations around three types of actions funded in the 2014 Call:</p> <ul style="list-style-type: none"> - VALCHEM - NEWFERT - FIRST2RUN <p>Q&A</p>
15:00 – 15:45	de Gasperi room	
	<p>Financing the bioeconomy</p> <ul style="list-style-type: none"> – Opening session, Waldemar Kütt, DG RTD – European Investment Bank study: presentation of the preliminary results on access-to-finance for bio-based Industries and other financial instruments such as InnovFin, Christine Garburg, EIB – The industrial and private investor perspective, Piero Cavigliasso, Biochemtex and Massimiano Tellini, Intesa Sanpaolo Group <p>Q&A</p> <p><i>Moderator:</i> Waldemar Kütt, DG RTD</p>	

15:45 – 16:00

Closing (de Gasperi room)

Aldo Longo, Director of General Aspects of Rural Development and Research, European Commission, DG Agriculture and Rural Development

Speakers



Carlos Moedas

Commissioner for Research, Science and Innovation

Carlos Moedas was born in Beja (Portugal) in 1970. He graduated in Civil Engineering from the Higher Technical Institute (IST) in 1993, completing the final year of studies at the École Nationale des Ponts et Chaussées in Paris (France). He worked in engineering for the Suez-Lyonnaise des Eaux group in France until 1998. He obtained an MBA from Harvard Business School (USA) in 2000, after which he returned to Europe to work in mergers and acquisitions at investment bank Goldman Sachs in London (UK). He returned to Portugal in 2004 as Managing Director of Aguirre Newman and member of the Executive Board of Aguirre Newman in Spain. In 2008, he founded his own investment company, Crimson Investment Management. In 2011, he became a Member of Parliament in Portugal and was appointed to the position of Secretary of State to the Prime Minister of Portugal, in charge of the Portuguese Adjustment Programme. In 2014, he became Member of the European Commission, overseeing the portfolio of Research, Science and Innovation.



Phil Hogan

Commissioner for Agriculture and Rural Development

Phil Hogan is the EU Commissioner for Agriculture and Rural Development since November 2014. Mr Hogan grew up on a farm in rural Kilkenny, in south-east Ireland. From 1989 until he became Commissioner, he represented the Carlow/Kilkenny constituency in Dáil Éireann, the Irish Parliament, where he served in the Fine Gael Party shadow cabinet and as spokesman on Europe, on the food industry, on consumer affairs and on regional policy. Between 2011 and 2014, he served as Minister for the Environment and Local Government in the Irish Government of Prime Minister Enda Kenny TD. During this time, he successfully implemented a broad ranging agenda, including the biggest reform of local government since the foundation of the Irish State. He has also occupied various senior posts at local, national and European level, including President of the Council of EU Environment Ministers (2013), Chairman of the European People's Party of Environment Ministers (2012-14), National Director of Elections for the Fine Gael party (2010-11), Fine Gael Director of Organisation (2002-07), Chairman of Kilkenny County Council (1985 and 1998), Chairman of the Fine Gael Parliamentary Group (1995-2001) and Minister of State at the Irish Department of Finance (1994-95). Prior to his entry to politics, he established and subsequently directed an insurance and real estate business. He also managed the family farm between 1981-83 and is a graduate of University College Cork, with a BA in Economics and Geography (1981).



Jonathan Taylor

Vice-President of the European Investment Bank Management Committee responsible for Environment and Climate Action

Jonathan Taylor has been a Vice-President of the European Investment Bank (EIB) since January 2013. He is a member of the EIB's Management Committee which draws up the bank's financial and lending policies, oversees its day-to-day business, and takes collective responsibility for the bank's performance. Mr Taylor has particular responsibility for the EIB's activities in Greece, Cyprus, Ireland, the United Kingdom and Asia. He also leads the bank's work in climate action, and in other environmental lending policies. Internally, he is responsible for a range of control functions, such as audit, compliance and related issues.



Catia Bastioli

CEO of Novamont, President of Terna

Catia Bastioli is the CEO of Novamont, an industrial reality that over time she has turned from a research centre into a reference company in the field of bioplastics and products from renewable sources. Ms Bastioli has been developing and field-studying the model of third generation bio-refineries, where an efficient use of resources is the primary objective and priority is given to high value-added products, short supply-chains and a system-based economy. She has been a member of important EU working groups about climate change, renewable raw materials and bioeconomy – such as the Bioeconomy Panel of the European Commission.



Denis Lucquin

Sofinnova Partners

Denis Lucquin is a Managing Partner and Chairman of Sofinnova Partners that he joined in 1991. In life sciences, he specializes in industrial biotechnology investments. Mr. Lucquin began his career in academic research. For five years, he was in charge of the technology transfer department at the Institut National de la Recherche Agronomique (INRA), France's agricultural research institute. In 1989, he joined the venture capital industry as director of investments at Innolion (Crédit Lyonnais). He recently invested in BioAmber and Green Biologics, developers of bio-sourced molecules for the chemical industry, and in Avantium, a renewable chemicals company developing bio-based plastic bottles for food and beverage. Mr. Lucquin is also a founder of the France Biotech Association. He is a graduate in engineering from École Polytechnique and École du Génie Rural des Eaux et Forêts. He has a degree in Innovation Management from the Université de Paris-Dauphine.



Jyrki Ovaska

Executive Vice President for Technology, UPM

Jyrki Ovaska is the Executive Vice-President of Technology at UPM. Mr Ovaska has over 30 years of experience in the forest products industry after graduating from the Helsinki University of Technology. He began his working career in the industry in R&D at KCL Finland in 1983. He joined UPM at its Jämsänkoski mill a year later. Following the UPM-Kymmene merger he assumed the responsibilities of Vice-President, Business Development covering all of its paper divisions. He assumed his current responsibility as Executive Vice-President of Technology in late 2013. Technology at UPM covers areas like R&D, IPR, investment management together with innovation management, strategic partnerships towards the research, technology development communities and value chain actors. Also nascent and rising new bio-based businesses; biocomposites, nano cellulose and biochemicals report to him.



Claude Leprêtre

General Manager of Eurocob

Claude Leprêtre is the General Manager of EUROCOB (France) and COBEX (Hungary). Early in the 80's, inside EURALIS Group, Mr. Leprêtre received the mission to valorize all the grain wastes and by-products generated by the Group grain activity. Launching and development were successful and until mid 80's the transformed vegetable wastes and by-products were mainly used as commodity for the feed industry. From 1985, he decided to process solely corncobs, by-product produced by corn seeds industry, and diversify the activity towards industrial and more sophisticated markets: veterinary, biocides, cosmetics, industry, absorbents, etc. Since that time, the EUROCOB activity focus to industrial markets emphasizing the specific and original characteristics of corncob products. The company provides industries with taylor-made grades used as ingredient for innovative and complicated designed products. EUROCOB and COBEX process each year about 30.000 tons of corncobs, generate revenues of approx 12 millions of euro and employ 50 people.



Siobhán Talbot

Group Managing Director of Glanbia

Siobhán Talbot was appointed as Group Managing Director of Glanbia plc in November 2013. She was previously Group Finance Director where her role encompassed responsibility for Group strategic planning. She has been a member of the Group Executive Committee since 2000 and the Board since 2009 and has held a number of senior positions since she joined Glanbia in 1992. Prior to joining Glanbia, she worked with PricewaterhouseCoopers in Dublin and Sydney, Australia. A fellow of the Institute of Chartered Accountants in Ireland, she graduated from University College Dublin with a Bachelor of Commerce and Diploma in Professional Accounting. Glanbia is a global nutrition company, grounded in science and nature and dedicated to providing better nutrition for every step of life's journey.



Xavier Beulin

President of Sofiproteol, President of the "Fédération Nationale des Syndicats d'Exploitants Agricoles" and Vice-President of COPA

Xavier Beulin is the President of Sofiproteol, and of the "Fédération Nationale des Syndicats d'Exploitants Agricoles" and Vice-President of COPA. He is a farmer in France in the region of the Loire valley. Together with his brother and two cousins, he manages a large exploitation of wheat, colza, corn and sunflower together with a milk farm with a quota of 150 000 litres.



Daniel D. Dijk

Managing Director Biomaterials Supply Chain, Rabobank

Daniel D. Dijk is the Managing Director of the Biomaterials Supply Chain at Rabobank. Mr. Dijk studied Chemical Physics at the Universities of Groningen and Tel Aviv (MSc, 1980). He worked as a researcher and consultant in the energy sector for nearly 20 years. In 2007 he was awarded the UNEP-FI Carbon Leadership Award.



Eric Sievers

CEO of Ethanol Europe renewables

Eric Sievers is the CEO of Ethanol Europe Renewables, the parent of Pannonia Ethanol, Eastern Europe's largest bioeconomy asset and one of the newest. It supports 2000 jobs in Hungary, mostly in rural locations. Over his career, he founded and for seven years directed an international environmental NGO, worked for several international law firms in the U.S., Russia and Kazakhstan, worked for several U.S. and U.K. aid agencies in Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Turkmenistan and Uzbekistan, and worked in senior management for Nordkap Bank AG, a Swiss commercial Bank. Mr. Sievers has been involved in the development and financing of more than five billion liters of biofuels capacity, as well as nearly 10GW of power capacity around the world.



Ilkka Hämälä

CEO of Metsä Fibre

Ilkka Hämälä is the President and CEO of Oy Metsä-Botnia Ab. He is the Member of the Board of Directors for 2015 of the Finnish Forest Industries Federation. Mr. Hämälä obtained a M.Sc. (Eng.) degree in 1986 majoring in pulp and paper technology at the Helsinki University of Technology.



Gunilla Saltin

President of Södra Cell

Gunilla Saltin is the President of Södra Cell AB. She has held different positions in the forest industry prior to joining Södra in 2000. For the past seven years she has been the president of Södra Cell AB. Ms Gunilla has an MSc in Chemical Engineering from the Royal Institute of Technology in Stockholm, a PhD in Chemical Engineering from the University of Idaho as well as an MBA from Stockholm School of Economics.



Aljoscha Requardt

Secretary-General of the European Confederation of Forest Owner (CEPF)

Aljoscha Requardt is the Secretary-General of the Confederation of European Forest Owners (CEPF) in Brussels and represents the interests of European forest owners and the forest sector at international/EU policy level. Before joining CEPF, he worked at the European Forest Institute (EFI), as Manager of the Observatory for European Forests (OEF) in Nancy, France, and as Scientist at the Thünen Institute/ University of Hamburg in Germany. Mr. Requardt holds a PhD in Natural Science from the University of Hamburg and an MSc in Forest Science from the Dresden University of Technology. He is an expert in European forest policy processes and advocacy and has an extensive background in the concept and monitoring of Sustainable Forest Management.



Linde Zuidema

Policy advisor at FERN

Linde Zuidema is a policy advisor at FERN, a non-governmental organisation aimed at protecting forests and the people who depend on them. Ms Zuidema is responsible for informing EU policy debates that impact on demand – such as on climate and energy, the circular economy and bioeconomy, as well as on broader European forest issues. She embraces Fern's style of promoting an inclusive and informative debate. Ms Zuidema has an academic background in environmental law and political science, and worked for international organisations and European institutions, as well as the private sector, prior to joining Fern.



Nella Baerents

Sustainability Policy Director – Europe, Arizona Chemical B.V.

Nella Baerents is the Sustainability Policy Director for Europe and works for Arizona Chemical in the Netherlands. Arizona Chemical is the world's leading bio-refiner of pine chemicals. Ms Baerents is responsible for Arizona Chemical's sustainability policy and public affairs activities in Europe. She has Master's degree on Forestry at the University of Helsinki in Finland. Having worked in the field of sustainable use of renewable raw materials, bioeconomy, forestry, environment, climate change and resource efficiency including waste management, over ten years Ms Baerents has built an in-depth knowledge on sustainability, the European decision making processes and of bio-based industries.



Jean-Paul Cadoret

Managing Director of GreenSea

Jean-Paul Cadoret is the Director of Greensea SAS. based in Meze, South of France and subsidiary of Greentech. Prior to this, Mr. Cadoret was the Director of the Unit Biotechnologies and Marine Resources at the French Research Institute for Exploitation of the Sea (IFREMER) and Director of the laboratory Physiology and Biotechnology of Algae. He was also a researcher at the IFERMER in the "unité mixte de recherche 219 DRIM (Défense et Résistance chez les Invertébrés Marins) Université de Montpellier II, IFREMER/CNRS" laboratory.



Lara Barazi-Yeroulanos

CEO of Kefalonia Fisheries S.A.

Lara Barazi-Yeroulanos is the CEO of Kefalonia Fisheries S.A., an aquaculture company founded in 1981 and the first fish farm established for the production of Mediterranean sea bass and sea bream in Greece. Ms Barazi-Yeroulanos is a member of the Board of the Federation of Greek Mariculture (FGM), the Greek representative to the Federation of European Aquaculture Producers, a member of the Board of the European Aquaculture Technology and Innovation Platform as well as the Hellenic Aquaculture Technology and Innovation Platform. She serves as a consultant to the FAO (Food and Agriculture Organization of the United Nations) and the IUCN (International Union for the Conservation of Nature) on issues of sustainable aquaculture and development. She is a graduate of Columbia University (BA) and Harvard University (MA) with degrees in Economics & Agricultural Development and International Trade & Finance.



Gesine Meissner

Member of the European Parliament, President of the EP Intergroup Intergroup Seas, Rivers, Islands and Coastal Areas

In 2009, **Gesine Meissner** became a member of the European Parliament. Ms Meissner is currently the coordinator of the ALDE Group on the Committee on Transport and Tourism and a substitute member in the Environment Committee. Ms Meissner is president of the Intergroup Seas, Rivers and Coastal Areas as well as a member of the EU-Mexico and Euro-Latin America Delegations. Gesine Meissner is a member of the council of the ALDE party and the federal executive board of the German Free Democratic party (FDP). She was elected as President of the liberal women in Germany in March 2014, and as Vice President of the ALDE Party Gender Equality Network in November 2013. Before joining the European Parliament, Gesine Meissner was a member of the regional Parliament of Lower Saxony where she was chairing the Committee on Health and Social Affairs from 2003 to 2009.



Peter van den Dorpel

CEO AlgaeLink NV

Peter van den Dorpel is CEO of AlgaeLink. Mr. van den Dorpel gained extensive experience with GE Plastics and a number of other General Electric companies. He has accumulated process operations, project, technology, sales, marketing and general management experience during his time with GE, culminating in his appointment as a Managing Director, Europe for GE Capital. In his capacity as CEO of AlgaeLink N.V., Mr. van den Dorpel has contributed as speaker and panelist in many international conferences about energy, algae, fiomass, bio-fuel, waste water treatment, climate and environmental topics.



Helena Vieira

Marine biotech expert at the Science Faculty of the Lisbon University

Helena Vieira has been an entrepreneur for the past 13 years. Currently, she is the Executive Director of BLUEBIO ALLIANCE, the Portuguese network for the marine bio-resources sector and invited Professor at the Science Faculty of the Lisbon University, responsible for the supervision and teaching of Entrepreneurship, Innovation and Technology Transfer courses. She is an invited mentor for several national mentoring programmes such as the Women Win Win Mentoring Platform, Beta-start, National Network of Mentors and Entrepreneurship Passport. Ms Vieira is also an expert for marine biotech at the European Marine Board and at the International Advisory Board of ERA NET – MARINE BIOTECH. She holds a post-graduation in Leadership and Strategy in Pharma and Biotech, from Harvard Business School, USA and a PhD in Biomedicine from the Imperial College of London, UK. Ms Vieira is highly skilled in biotech strategy and major technical aspects of the discovery and development of natural bioactive products for several industries, from pharmaceutical to cosmetics and nutraceuticals having developed specialized skills in innovation and tech transfer business methodologies, consulting and management strategies in marine biotech and sea economy projects.



Alan Werker

Manager R&D, Cella™ Technologies at Anoxkaldnes

Alan Werker is an environmental engineer with 30 years of experience in both academic and industrial research and development efforts. His research over the years has focused on contaminate fate and removal, bioprocess engineering, and also in materials science. He is a Canadian turned Swede, with a PhD from the University of British Columbia, and now with roots firmly entrenched in Skåne, Sweden. For the past 13 years he has been driving devil in the detail at Veolia Water Technologies AB (AnoxKaldnes) from fundamental know-how to first commercial implementations of Cella™ Technologies – producing biopolymers from residuals management services. Mr. Werker maintains academic ties as Adjunct Professor with the University of Queensland. He is author or co-author in 61 scientific publications and co-inventor in 13 patents or patent applications.



Jesús López

Vice-President for EU Affairs and Investigation and Research at Abengoa Bioenergy

Jesús López is the Vice-President for EU Affairs and Investigation and Research at Abengoa Bioenergy, that he joined in 2008. An industrial engineer by education, he has an expertise on environmental solutions and contamination abatement. In Abengoa Bioenergy, Mr. Lopez has developed different activities on sustainability, R&D, supply chain certification and sales areas prior to his current position.



Miapetra Kumpula-Natri

Coordinator of the EP working group on the bioeconomy (EP Inter-group on Climate, Biodiversity and Sustainable Development)

Miapetra Kumpula-Natri has been a member of the European Parliament since the summer 2014. She is a member in the Committee of Industry, Research and Energy as well as a substitute in the Committee of Employment and Social Affairs. Before the European Parliament, Ms Kumpula-Natri was a member of parliament in Finland for 11 years, chairing the Committee of European Affairs as well as a long-term member in the Committee of Economy, which is responsible for industrial matters. By education, Ms Kumpula-Natri is an engineer. Her other activities in the Parliament include the membership in the European Internet Forum and chairing of the Working Group for Bioeconomy as well as being a Member of the Board of European Energy Forum.



Thierry Stadler

President of IAR (Cluster Industries & Agroressources)

Thierry Stadler is the General Director of the competitiveness cluster “Industry and Agroressources” – IAR. He has a Ph. D in plant biochemistry and physiology and spent three years at the University of Lille as researcher working on seaweeds and algae. Mr. Stadler organized in 1986 the first international workshop on algal biotechnology. The proceedings were published in a book “Algal biotechnology” by ELSEVIER (T. STADLER editor). He became General Director of the CVG in Amiens in 1997. In 2004, he set up a small company working on fermentation, SEADEV, located in Amiens. In 2006 he became General Director of the competitiveness cluster “Industry and Agroressources” – IAR. He was an expert for the European commission and is a member of the board of the association “Chimie du Végétal”. Thierry STADLER is a member of the “Conseil économique et social regional de Picardie” since 2008 and “officier du mérite agricole”.



Ward Mosmuller

Director of Corporate public affairs, DSM

Ward Mosmuller is responsible for Global Public Affairs at DSM, that he joined in 2009, in the innovation, bio-based economy and climate and energy. In this role, he represents DSM in industry associations and engages in societal, governmental and legislation related debates. He joined Senter (today RVO), where he held several positions, starting as coordinator of a national innovation programme and taking his leave as manager of the industrial development loan scheme (TOK), a € 600 million public loan facility for businesses. In 2005 Mr. Mosmuller started his own company with a focus on innovation and technology transfer. He was one of the founders of Health Valley, a regional broker between science and business. In 2006 he was cofounder of the Technology Transfer Office of the VU University & Medical Centre and was appointed managing director and (co)founded several spin-off companies. Mr. Mosmuller studied Molecular Sciences at Wageningen University and obtained his PhD-degree in 1993 in Bio-organic Chemistry



Jyrki Katainen

Vice-President for Jobs, Growth, Investment and Competitiveness

Jyrki Katainen is the European Vice-President for Jobs, Growth, Investment and Competitiveness in office since 2014. Mr. Katainen was previously the Prime Minister of Finland from 2011 to 2014 and served as Finance Minister and Deputy Prime Minister of Finland between 2007-11. He was the President of the Finnish National Coalition Party from 2004 to 2014. Mr. Katainen was born in Siilinjärvi, a town in Finland. He graduated from Siilinjärvi Senior High School in 1990 and obtained a Master’s degree in political science from the University of Tampere. He became involved in politics after a brief career in teaching. He was a member of the Siilinjärvimunicipal council in his first political position, in 1993 and was later elected member of the Finnish Parliament (Eduskunta) from the district of Northern Savonia in 1999. At the European Commission, Mr. Katainen is responsible, among others, for leading the project team “Jobs, Growth, Investment and Competitiveness”, coordinating the mid-term review of the Europe 2020 strategy and helping improve the business environment to make Europe a more attractive place in which to work and invest.



Mairead McGuinness

Vice-president of the European Parliament

Mairead McGuinness is Vice-President of the European Parliament. As Vice-President she oversees the Parliament's Information Policy, Press and Citizens Relations including the Parliament's information offices across the 28 Member States. Ms McGuinness has responsibility for the Parliament's scientific research body – STOA – which aims to bridge the gap between the scientific community and policy-makers. She also plays a leading role in the area of children's rights as the Parliament's mediator in cases of international parental child abduction. Ms McGuinness is an agricultural economist, working on the future shape of agriculture and rural development, global development policy, the environment, public health and food safety and security and is a member of the Parliament's Agriculture and Rural Development Committee and the Environment, Public Health and Food Safety Committee.



Markku Markkula

President of the EU Committee of the Regions

Markku Markkula is the President of the European Committee of the Regions. A long-standing politician, Mr. Markkula has been member of the Espoo City Council since 1980 and is a former member of the Finnish Parliament. Mr. Markkula works at the Aalto University as advisor to Aalto Presidents, where his focus mainly lays on European Union research, innovation and education policy affairs.



Carmen Vela

State Secretary for Research, Development and Innovation, Spain

Carmen Vela is the Spanish State Secretary for Research, Development and Innovation under the Spanish Ministry of Economy and Competitiveness. Since January 2012 her major competences have been to lead the Spanish science and innovation policy out of the economic crisis and place science and technology at the heart of the government concerns. Ms Vela's achievements at the Department of State have been the coordination and launch of the Spanish Strategy of Science, Technology and Innovation (2013-2020) and its renovated funding instrument: the National Plan of Scientific and Technological Research and Innovation. Before taking office in the government, Carmen Vela was involved as a scientist and entrepreneur in the science and technology private sector in Spain, being CEO of INGENASA, a biotechnology company that researches on animal health and food security. Ms Vela has been involved in several international science and technology advisory activities. She is a member of the Spanish Society of Biochemistry and Molecular Biology and has been the President of the Spanish Society for Biotechnology.

Moderators



Jacki Davis

Journalist and moderator

Jacki Davis is a leading commentator and analyst on European Union affairs. She is an experienced journalist, speaker and moderator of high-level events both in Brussels and in EU national capitals, the editor of many publications, a regular broadcaster on television and radio news programmes, and a Senior Adviser to the European Policy Centre think tank. Ms Davis has been based in Brussels for 23 years, and was previously Communications Director of the European Policy Centre; editor-in-chief of E!Sharp, a magazine on the EU launched in 2001; and launch editor of European Voice, a Brussels-based weekly newspaper on EU affairs owned by The Economist Group, from 1995-2000.



Vivienne Parry

BBC radio broadcaster/science presenter

Vivienne Parry is a British science writer and broadcaster. Best known for her many programmes for the BBC, she also writes for a wide range of newspapers including the Times and Guardian. She also has a part time role as Head of Engagement for the 100,000 Genomes Project, the UK government's landmark gene sequencing programme. Ms Parry facilitates many events, including the G8 Dementia Summit and is on the governing board of the UK's Medical Research Council.



Quentin Cooper

BBC radio broadcaster/science presenter

Quentin Cooper – one of the most familiar voices of science in the UK, Quentin Cooper regularly presents *The Forum* on BBC World Service and *Frontiers* on BBC Radio 4. He has worked in over 60 countries and is much in demand to give talks, host conferences, chair panels, facilitate debates, conduct interviews, present podcasts, MC events and run science communication and media skills workshops. Mr. Cooper is also Creative Director of Science Oxford, one of the UK's largest science outreach organisations, and hosts the UK and International finals of the world's largest science communication competition, FameLab.



Gunter Pauli

Founder and Director of Zero Emissions Research and Initiatives,

Gunter Pauli has dedicated his career to the transformation of the economy. He formulated the theory of zero waste and zero emissions (total resource productivity) in 1991 based on his entrepreneurial experience creating 12 companies (two failed). Mr. Pauli has put these concepts in practice learning in the process how to do this better. Today, based on nearly 200 projects implemented, \$4 billion invested and 3 million jobs generated, the theory is shaping into a pragmatic approach to competitiveness and growth, capable of responding to the basic need for water, food, health, shelter, and mobility while generating jobs. Successful projects are translated into fables inspiring children. His latest book “The Blue Economy” has been translated in nearly 40 languages with +one million copies distributed.



George Freeman

UK Minister for Life Sciences

George Freeman was appointed as Minister for Life Sciences, a Parliamentary Under-Secretary of State at the Department of Health and Department of Business, Innovation and Skills on July 15 2014. His mission is to make the UK the best place in the world to discover and develop 21st Century healthcare innovations. He was elected to Parliament in 2010 after a 15 year career across the life sciences sector, in particular working with hospitals, clinical researchers, patient groups, and biomedical research companies to pioneer novel healthcare innovations. Following his election to Parliament in 2010, Mr Freeman served as PPS to the Minister of State for Climate Change. He was appointed Government Adviser on Life Sciences in July 2011, working closely with the Department of Health and coordinating the Government’s Life Science and Innovation, Health and Wealth Strategies (2011), and the Agri-Tech Industrial Strategy (2013). Following that, he was appointed to the post of Prime Minister’s UK Trade Envoy.



John Bell

Director of Bioeconomy, European Commission, DG Research and Innovation

John Bell is the Director Bioeconomy, DG Research & Innovation. He has been a European Commission official since 1993. During his career he has worked on financial aid assistance programmes in the former Yugoslavia and in Albania, as well as public administration reform programmes in Central and Eastern Europe. Mr. Bell was also a Member of the Cabinet of Commissioner David Byrne with responsibility for enlargement, public health and global health security issues, including bioterrorism, and Head of Cabinet for the first Bulgarian European Commissioner Meglena Kuneva on Consumer Affairs. He completed his Doctorate at St John’s College, Oxford University in 1993.



Markus Norström

Business Area manager, Technical Institute of Sweden

Markus Norström is the Business Area Manager of Energy, SP Technical Research Institute of Sweden (SP). Markus Norström (born 1973) graduated from Lund University of technology as M.Sc. in Chemical Engineering in 1999 where he continued to work with development of cellulosic ethanol technology. He also held a position in research and development at the Swedish utility company Vattenfall. After this Mr. Norström spent ten years in the pulp and paper industry having various roles in project development and execution. He is since 2012 acting as Business Area Manager at the Swedish RTO, SP, and in this position he is in charge of coordinating and developing the bioeconomy area. In this role, Mr. Norström has also been active in setting up the AERTOs Program on Biobased Economy.



Nathalie Moll

Secretary General of EuropaBio, member of the European Bioeconomy Alliance

Nathalie Moll is the Secretary General of EuropaBio. In the course of her career, she has focused on improving awareness of the importance and benefits of biotechnology for society and has worked, together with the industry, regulators and stakeholders, towards developing a more supportive legislative framework and operating environment for the industry and related sectors. Ms. Moll started working in the biotechnology and food policy area for the European Crop Protection Association in Brussels and then moved to Rome to work for Dompé Farmaceutici S.p.A and the Italian National Biotech Association, Assobiotec dealing with the implementation of European biotech legislation at National level. After graduating with Honours in Biochemistry and Biotechnology from St Andrews University, Scotland, and a stage at the European Commission, Ms Moll has spent nearly 20 years working for the biotech industry at EU and national level. In 2013, Ms Moll won the *Technovisionaries Women Innovation Award* organised by Women & Technologies®.



Christine Lang

co-chair of the German Bioeconomy Council

Christine Lang is one of the founders and the Managing Director of ORGANOBALANCE GmbH. As a Doctor of Biology, she spent ten years working in industrial research at Hüls Chemie Forschungsgesellschaft where, amongst other things, she established and ran the working group on genetics and molecular biology. Since 2012, Ms Lang has been the Chairwoman of the German Bioeconomy Council. In 1993 she moved to the Technische Universität Berlin and was promoted to Professor of Microbiology and Molecular Genetics. At the TU Berlin she lectures on genetics in biotechnology. Ms. Lang is active in various biotechnology associations. Ms Lang is a member of the Management Board of the DECHEMA and member of the Management Board of the VCI/DIB.



Katja Reppel

DG REGIO Regional investments using ESIF and synergies with H2020

Katja Reppel is Deputy Head of the Unit in charge of smart and sustainable growth and major project issues of the European Commission's Directorate General for Regional and Urban Policy. She is responsible for supporting the negotiations of the 2014-20 Structural Funds programmes with a view to the smart growth, i.e. investments in research, innovation, SME competitiveness and ICT, and supporting the development of smart specialisation strategies by regions and Member States.



Piero Cavigliasso

Biochemtex

Piero Cavigliasso is the Director of Institutional Relations and Public Funding at Biochemtex. Mr. Cavigliasso is responsible for strategic development and management of corporate and government relationships. His other official roles include: Vice-President of the Proplast consortium and member of the Leaders of Sustainable Biofuels Initiative. He has 25 years of professional experience in packaging and plastics covering leading positions as Director of the Piedmont regional Innovation Pole on New Materials, Director of the Proplast Consortium, Director of Engineering Plastics Centre, President of the Plastics academy, President of Ntplast, a start-up in biomedical sector, and Sales manager in various packaging companies.



Christian Patermann

Member of the BioEconomy Council of the German Government

Christian Patermann is a former member of the German Bioeconomy Council and since his retirement in 2007 an independent consultant for public and private institutions and companies. Mr. Patermann was the director of Biotechnology, Agriculture and Food Research at the European Commission's Research Directorate-General and previously deputy Director-General at the German Federal Ministry of Sciences and Education. He has studied law, economics and languages in Germany, Spain and Switzerland. He held numerous top positions in the international science and technology world, including at the European Space Agency and the European Molecular Biology Laboratory. From 1996 to 2003, Mr. Patermann was director for Environment and Sustainable development at the Research Directorate-General of the European Commission, Brussels.

The Bioeconomy Apartment - bioeconomy in our everyday lives

This exhibition is an integral part of the Bioeconomy Investment Summit

Dresses made from milk or coffee, car tyres from dandelion flowers, sneaker soles from rice husks or armchairs that are tanned with extracts from olive leaves – sometimes you have to look twice to realise they are bio-based products.

The “Bioeconomy Apartment” is a new hands-on exhibition that shows how much the bioeconomy already found its way into our everyday lives.

In a 40 m² area that replicates an apartment, more than 30 products made from different natural resources such as maize, microbes, coffee, dandelion, rice husks, olive leaves or hemp are presented within a kitchen, bathroom, living room and garage.

For each product, background information about the materials used, technologies and procedures is provided.

The “Bioeconomy Apartment” is an exhibition conceived by BIOCOM AG, the Berlin-based bioeconomy information specialist company, and adapted on behalf of the European Commission to integrate the Bioeconomy Investment Summit.

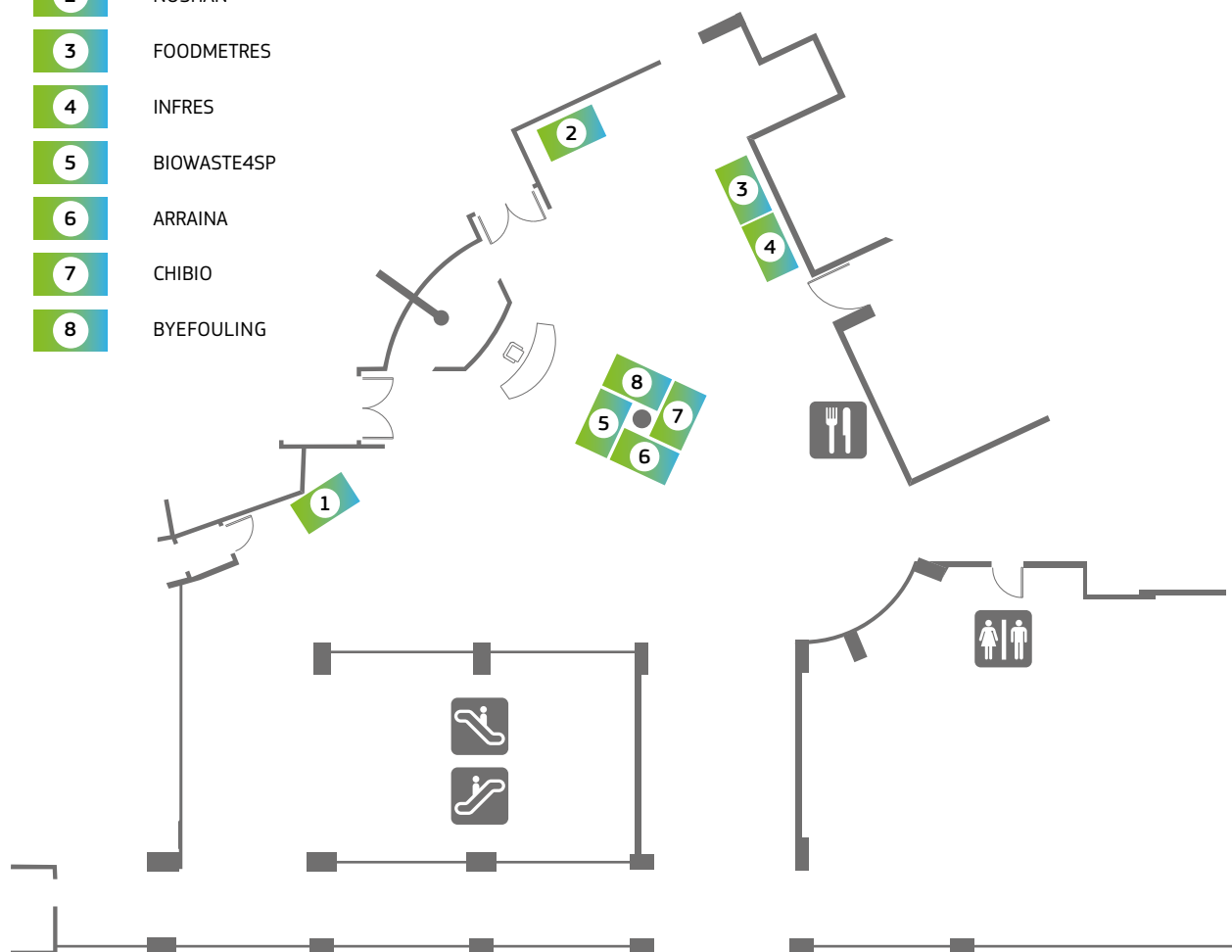




Bioeconomy exhibition floor plan

Stand number Company

- 1** PROLARIX
- 2** NOSHAN
- 3** FOODMETRES
- 4** INFRES
- 5** BIOWASTE4SP
- 6** ARRAINA
- 7** CHIBIO
- 8** BYEFOULING

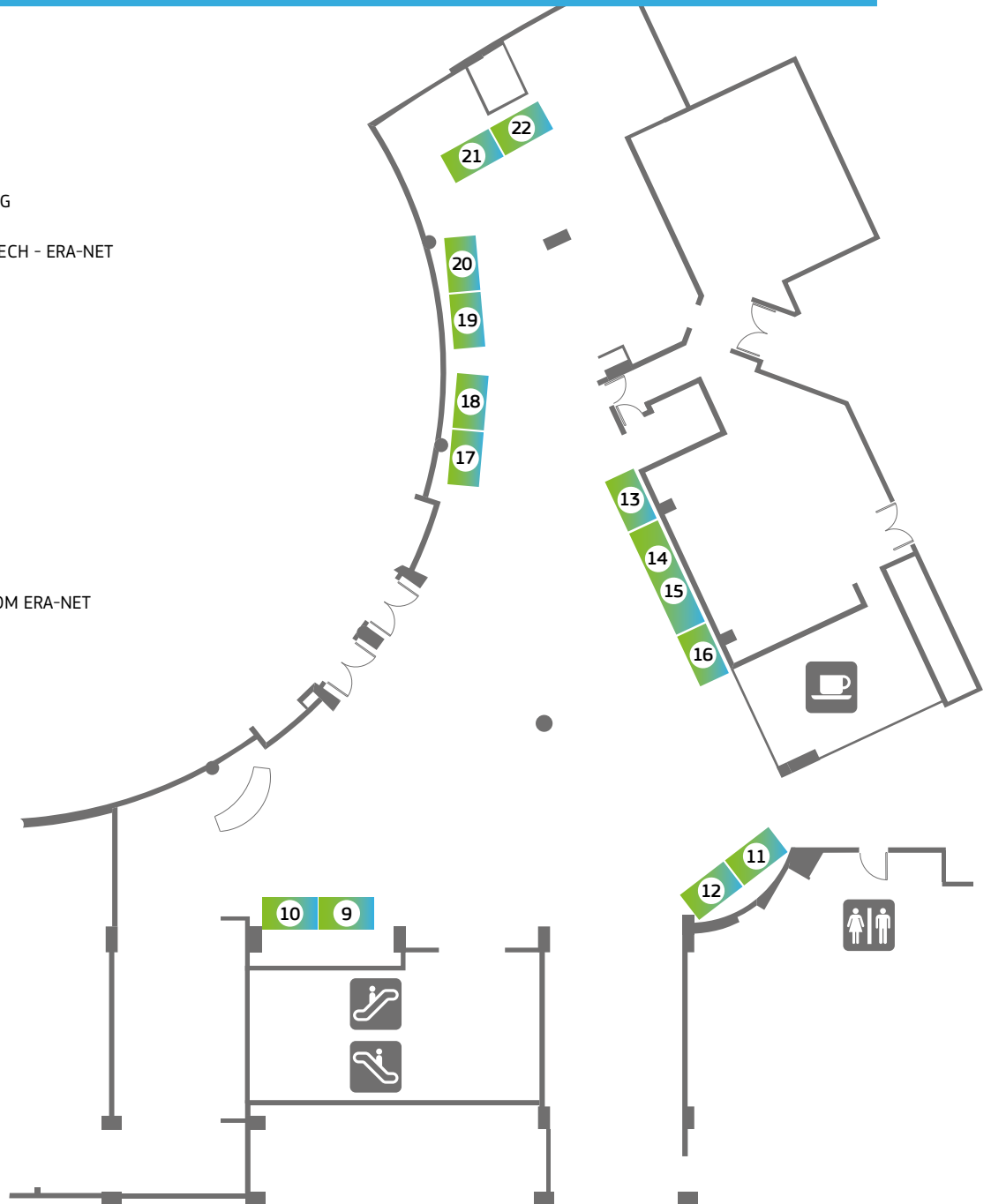


Floor 2

Bioeconomy exhibition floor plan

Stand number Company

9	TRANSBIO
10	MIRACLES
11	STAR TREE
12	EUROPRUNING
13	MARINEBIOTECH - ERA-NET
14-15	BBI JU
	NEWFERT
	FIRST2RUN
16	BIOCORE
17	NAMASTE
18	BIOCLEAN
19	WOODWISDOM ERA-NET
19	WOOBAMA
19	ECO2WOOD
20	AGROCOS
21	BRIGIT
22	PHARMASEA



Floor 1

