



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

University of Algarve

9 April 2021, 14h30

Theme: Natura-based entrepreneurship: from nature to the market

16. April 2021, 14h30

Theme: Algarve Innovation Ecosystem, 2014-2020. The influence of the Smart Specialization Strategy (S3) in the development of innovation and competitiveness.

Theme: Entrepreneurship and Knowledge Transfer @ UALG

23. April 2021, 14h30

Theme: Systemic innovation and territorial approaches: Idanha case study

30. April 2021, 14h30

Theme: Creating Options for a Nature Based Economy – The Story of NBI

6.May.2021, 14h30

Theme: Innovation in Plant Breeding for Sustainability and Global Economy in Corteva Agriscience

7.May.2021, 14h30

Theme: Forest-based Biorefineries and Bioproducts from Pulp and Paper Mills



<https://videoconf-colibri.zoom.us/j/81269281551?pwd=UFJZeDRwTXdHbDdKSDdieHFZbDJxZz09>



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

University of Algarve

9 April 2021, 14h30

Theme: Natura-based entrepreneurship: from nature to the market

Summary of the class:

Presentation of general notions of entrepreneurship and the need to align ideas with market needs. Practical examples of entrepreneurship ideas based on the enhancement of resources and potential generated by nature. Development of practical entrepreneurship exercises.

Biographical note:

João Nunes, Born in Oliveira do Hospital, 38 years old.

PhD in Biosciences, Master Degree in Mechanical Engineering. Degree and pre-Bologna master degree in Mechanical Engineering, in the Energy and Environment specialty and PhD in Biosciences (sustainability assessment models applied to the forestry sector and biorefineries technologies for the conversion and valorization of wood-cellulosic biomass in products with high added value and for concepts of value cascade processes).

He is the founder, President and CEO of BLC3 (Technology and Innovation campus) and President of CECOLAB (Collaborative Laboratory for the Circular Economy). Coordinator of the Research Unit "Center Bio: Biorefineries, Bioindustries and Bioproducts" and coordinator of the Network of Research Infrastructures of National Strategic Interest in Circular Economy.

Co-coordinator of the of R&I

He created an R&D network of more than 60 entities, from 9 European countries, in the areas of Bioeconomics and Circular Economy. Co-coordinator of the thematic agenda in innovation of R&I for Circular Economy 2023, of Fund for Science and Technology, Advisory member of RIS3 of the Centro Region and of the national Horizon 2020 Monitoring Group in the area of Societal Challenge 2: "Food security, sustainable agriculture, marine and maritime research and the bioeconomy".

He has more than 16 years of research in technologies for the recovery and conversion of specific mass flows (from wood-cellulosic biomass to urban waste and effluents) or in a "multi input" format, with laboratory and industrial experience (even context of process assemblies and industrial lines). During his research path, he developed his own skills and knowledge, over the last 12 years, in signaling and attracting investment from financing lines from different sources of national and European funds (over 20 million euros), more than 100 communications technical-scientific papers, more than 50 scientific articles and 8 intellectual and industrial property processes.



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16. April 2021, 14h30

Theme: Algarve Innovation Ecosystem, 2014-2020. The influence of the Smart Specialization Strategy (S3) in the development of innovation and competitiveness

Summary of the class:

One of the most important aspects of a territory's current economic and social reality is the nature of its productive processes, as well as the characteristics and sophistication of the implemented entrepreneurial strategies. This presentation analyses the particular case of the Algarve during the 2014-2020 Smart Specialization Strategy (S3) for the promotion of innovation and competitiveness.

Biographical note:

Francisco Serra holds a PhD (with mention of Doctor Europeo) in Economics and Management Sciences. He was hired in 1992 by the School of Management, Hospitality and Tourism of the University of the Algarve. At the present he holds the category of Professor Coordenador. Between June 2016 and October 2020, he was the President of the Coordinating Commission for the Regional Development of Algarve, and of the AAA (Algarve, Alentejo and Andalucía) Euroregion. He has conducted and supervised research in the fields of Hospitality Management, Tourism Development, Regional Economics and Systems Dynamics.

Theme: Entrepreneurship and Knowledge Transfer @ UALG

Summary of the class:

The University of Algarve is a relevant regional player, with global impact and global networks in science and technology. Hence, complementary to the traditional missions of the University, in training and knowledge creation, the university of Algarve has developed, for the last 15 year, a strong focus in its third mission, acting on the valorization of knowledge created and on its regional impact, supporting business creation, incubation, acceleration, and innovation. This segment has been the goal of CRIA – the Division for Entrepreneurship and Knowledge Transfer. The session will present the actions and methodologies developed by CRIA towards this goal, and present the outputs of such activities in the region.

Biographical note:

Head of Division at UALG CRIA (Division of Entrepreneurship and Technology Transfer of the University of Algarve) since 2011, Hugo is an economist and PhD student in Innovation and Territory Management at Ualg, with a Post Grad in Innovation and Entrepreneurship.



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

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23 April 2021, 14h30

Theme: Systemic innovation and territorial approaches - Idanha case study

Summary of the class:

Systemic innovation can be defined as a set of interconnected innovation where discrete parts play a specific role within a broader system/purpose, with a focus on inter-disciplinary collaboration and on solving integration challenges, but also as a set of purpose-oriented policies and governance that foster the development of synergistic multi-actor actions. In this session, the case of Idanha-a-Nova will be debated, covering its “Recomeçar” sustainability-focused territorial revitalization strategy, the i-Danha Food Lab entrepreneurship and innovation initiative with BGI (born out of the MIT Portugal IEI), the Food4Sustainability collaborative laboratory, the EDIH-F4S proposal for digitization of smallholder/family farms and Sementes Vivas/Living Seeds, a reference in organic and biodynamic farming.

Biographical note:

[Armindo Jacinto](#) (president, Municipality of Idanha-a-Nova) (to be confirmed)

[Gonçalo Amorim](#) (CEO, BGI; vice-chairman, Food4Sustainability)

[Cláudia Carocha](#) (sustainability and food manager, BGI)

[Nuno Serra](#) (head of operations, BGI; chairman, Food4Sustainability)

[Cláudia Costa](#) (operations researcher, Food4Sustainability)

[Paulo Martinho](#) (managing director, Living Seeds – Sementes Vivas) (to be confirmed)



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

University of Algarve

30 April 2021, 14h30

Theme: Creating Options for a Nature Based Economy – The Story of NBI

Summary of the class:

NBI – Natural Business Intelligence is a startup created on the last days before the COVID-19 quarantine in Portugal. But in fact, NBI was already something ongoing, both in our minds and fruit of the diverse experience of many years of pioneering work of its founders. The company may be new but was already born with a degree of maturity that allowed us to transmit a high degree of trust and confidence to our partners and customers. We were still writing the first version of our presentation and already companies like LIPOR and Herdade dos Grous and municipalities like Alvaiázere and Arouca were part of our portfolio. So, this is our challenge, to help create the 'Natural Base Economy', where people, communities, businesses and nature thrive together, reinforcing the value of each party in this great process of reconstruction. And this challenge is only overcome when we have the luck and privilege that we had with our customers, partners and supporters. A year after the foundation, here we are and, step by step, we are building an ecosystem of people, ideas and projects, in an inclusive and innovative way. We have made it clear that this is our appeal. Invite everyone to participate in this great walk through the ecological and climate transition and move from 'Business as Usual' to 'Business as Natural'. Do you accept our challenge?

Biographical note:

Nuno Gaspar de Oliveira. Biologist, specialized in Ecology (FCUL), co-founder of NBI – Natural Business Intelligence. Ecosystem Manager at Esporão. Lecturer at postgraduate courses in Sustainability Management at IDEFE/ISEG. Scientific Advisor in the Working Group for the implementation of an R&D agenda for the Wines of Alentejo and member of the Porto Protocol Global Steering Committee. Collaborated with WWF on the "New Generation Plantations" and "HABEaS-Hotspot Areas for Biodiversity and Ecosystem Services" projects and was part of the nuclear team of the 'Earth Condominium' and 'Green Cork' projects, coordinated by Quercus. Formerly Sustainability Manager at ISG Business and Economics School. Post graduated in Geography and Spatial Planning (FCSH-NOVA) and Strategy and Management (IST-UL). Senior advisor in agroecology, biodiversity, ecosystem services and sustainability.



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

University of Algarve

6 May 2021, 14h30

Theme: Innovation in Plant Breeding for Sustainability and Global Economy in Corteva Agriscience

Summary of the class:

Worldwide population will reach aprox. 10.000 million people by 2050 and we are facing the challenge to produce enough food to feed them all in a sustainable manner to ensure the future of the generations to come.

Plant Breeding is a key activity to improve current cultivated varieties and develop new ones through genetic research. It is the base of the technology innovation in all food chain and has a large economical impact for the development of agriculture and the economy of the society, allowing economical, social and environmental sustainability for all the food chain.

Customers requires healthier products with improved safety, cultivated with high standards to respect the environment, reduction of residues, and traceability to know “the history of the food”.

In the other hand farmers requires to increase, or at least maintain, their profitability increasing crop yield, reduction of input cost, and genetic tools to solve problems as diseases, pests, water shortage or other environmental limitations.

For decades innovation in plant breeding has developed improved seeds with significantly higher yield potential, and improvements in the offer available to consumers. New technologies like precision phenotyping, remote sensing, CRISPR-Cas, Genome Predictions will be key to continue developing new products.

Biographical note:

Alfredo Mateos. Currently Research Operations Lead in the Technology Center of Corteva Agriscience in Seville (Spain). Agronomist Engineer, with more than 25 years of experience in Plant Breeding in different seed companies.



SEMINARS IN **INNOVATION** AND **ENTREPRENEURSHIP**

University of Algarve

7 May 2021, 14h30

Theme: Forest-based Biorefineries and Bioproducts from Pulp and Paper Mills

Summary of the class:

Pulp and paper mills transform wood into cellulose fibres (pulp) and paper (including fine papers, tissue papers, packaging materials, among others). Wood logs are collected from plantation forests (mainly eucalyptus in the Portuguese pulp and paper industry context), debarked and converted into wood chips, thus generating forest (branches, leaves) and industrial (bark, sawdust) biomass residues. During the pulping process, roughly 50% of wood solid material (composed mainly by lignin, hemicelluloses and minor amounts of cellulose) are dissolved in the so called black liquor, which is burnt in a boiler, aiming to recover chemicals and to produce steam. Steam is used in the industrial process or converted into green electricity. Modern kraft pulp and paper mills are evolving to integrated forest-based biorefineries where wood and biomass residues are completely converted, not only into fibres and paper products, but also generating new bioproducts, biochemicals and biofuels, some of them functionally analogues to products nowadays produced from fossil resources. These include, among others, essential oils and bioactive compounds from leaves and barks, sugar syrups, bioethanol and other biofuels from woody residues, micro/nanocelluloses, thermoplastic fibre-based biocomposite materials and polymers from black liquor lignin. The lecture will cover the concept of pulp and paper mill biorefinery and the new bioproducts obtained from wood and forest biomass.

Biographical note:

Carlos Pascoal Neto, RAIZ / The Navigator Company, Director, PhD, Full Professor Carlos is Full Professor (“Professor Catedrático”) of the University of Aveiro (UA), Portugal, where he started his academic career in 1992. On October 2015, he left the University of Aveiro to join The Navigator Company (former Portucel Soporcel Group), as General Director of RAIZ – Forest and Paper Research Institute, the R&D Centre of the Company. He has been Vice-Rector of the University of Aveiro for Cooperation with Society, Innovation, Technology Transfer and Entrepreneurship (2010-2015). Formerly, he has been Director of the Chemistry Department of UA (2007-2010). Carlos teaching and research activities at UA have been focused on Forest Products Chemistry and Technology. He is graduated in Chemistry by UA, “Docteur” (PhD) by the Institut National Polytechnique de Grenoble (INPG), France. Carlos is author/co-author of more than 220 papers in international peer reviewed journals (ISI h-index 55), 5 patents and several hundreds of oral and poster communications in national and international conference proceedings.