



IBF SPRING

Exploring Ireland’s Bioeconomy Together



17th - 19th May 2022

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Overview:

IBF SPRING ‘Exploring Ireland’s Bioeconomy Together’ is a visit from the SPRING Cluster from Italy to Ireland organised by Irish Bioeconomy Foundation (IBF). On 4th October 2019 two Memorandum of Understanding were signed between IBF and Cluster SPRING and IBF and BIOCIRCE Master respectively. This visit has the support of IBFs current projects MPowerBIO (<https://mpowerbio.eu/>), BioeconomyVentures (<https://www.bioeconomyventures.eu/>) and BIObec (<https://biobec.eu/>).

- Travelling with a total of 15 No. people. 5 students from Master BIOCIRCE (<https://masterbiocirce.com/>) and 10 associates (<https://www.clusterspring.it/it/soc>)
- SPRING will organise traveling to and from Ireland.
- SPRING will organise accommodation with IBF suggestion.
- IBF will organise a bus for the cohort to travel in Ireland.
- IBF will organise networking dinner in Horse & Jockey on evening of 17th May.
- IBF will organise a visit to several organisations related to bioeconomy in Ireland.

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IBF is partner in three CSA projects: MPowerBIO (887501), BioeconomyVentures (101023260) and BIObec (101023381). These projects have received funding from Circular Bio-based Europe Joint Undertaking (CBE JU) that is partnership between the European Union and the Bio-based Industries Consortium (BIC).





Agenda:

	Morning	Afternoon	Evening
Tuesday 17th May	Traveling	Green Generation and National Bioeconomy Campus	Dinner and presentation in Horse and Jockey
Wednesday 18th May	Travel to Kerry stopping at BHSL	MTU and BioAtlantis	Dinner in Limerick
Thursday 19th May	Moorepark Technology	Tourist destination in Tipperary	Traveling

Travel in Ireland:

- **Tuesday 17th May:** (Dublin airport) to (Nurney, Kildare) 1.5hrs
(Nurney, Kildare) to (Thurles, Tipperary) 1hrs
- **Wednesday 18th May:** (Thurles, Co. Tipperary) to (Tralee, Kerry) 2.5hrs
(Tralee, Kerry) to (Limerick City) 1.5hrs
(Limerick City) to (Thurles, Tipp) 1hrs
- **Thursday 19th May:** (Thurles, Tipp) to (Fermoy, Cork) 1hrs
(Fermoy, Cork) to (Cashel, Tipperary) (0.5 Hr)
(Cashel, Tipperary) To (Dublin airport) (2.5 Hrs)

Organisations visiting:

- **Natureworks** (<https://www.natureworkslc.com/>). advanced materials company offering a broad portfolio of renewably-sourced polymers and chemicals to the packaging, polymers, fibers, and chemicals markets. With performance and economics that compete with oil-based plastics and fibers, naturally advanced Ingeo™ polymers are valued for their unique functional properties
- **Roelmi** (<http://www.roelmihpc.com>) ROELMI HPC does research, planning, development and production of functional and active ingredients. Those innovative solutions are found through cutting-edge technologies driven by innovation in green chemistry and by building perfect models of circular economy.
- **Fondazione CRF** (<https://www.fondazionecrf.it/>) The CR Firenze Foundation is a foundation of banking origin, a non-profit organization that pursues the social interest through a careful program of investments and projects in its territory of intervention: Florence and Metropolitan City, the provinces of Grosseto and Arezzo.
- **SEA Marconi** (<https://www.seamarconi.com>) Sea Marconi is an international company leader in the life cycle management (LCM) of Transformers and insulating Oils and the Research of solutions servicing the Environment.
- **Biosphere** (<http://www.biospheresrl.com/home>) Biosphere is an Italian small-medium enterprise focused on the development and production of free and immobilized enzymes,



microbial biomass and metabolites currently applied in several processes in the pharma, food, nutraceutical and cosmetic sectors.

- Researchers from **Università di Napoli Federico II** and **Università di Torino**
- **SPRING** (<http://www.clusterspring.it>) The Italian Technology Cluster of “Circular Bioeconomy” SPRING – Sustainable Processes and Resources for Innovation and National Growth - has the objective of triggering the development of biobased industries in Italy, through an holistic approach to innovation, aimed at revitalising Italian chemistry in the name of environmental, social and economic sustainability.
- **2i3T** (<http://www.2i3t.it>) 2i3T is the Business Incubator of the Technology Transfer for the University of Turin. Its goal is of developing the area’s economy by commercially valorizing the results of academic research by creating, promoting and supporting new, knowledge-intensive businesses.
- **Master BioCirce** (students) (<https://masterbiocirce.com/>) As an interdisciplinary program jointly offered by 4 Universities (University of Bologna, University of Milano-Bicocca, University of Naples Federico II, and University of Turin), by 4 non-academic partners (Intesa Sanpaolo, Novamont SpA, GFBiochemicals SpA, and PTP Science Park di Lodi), and 2 Italian Technological Cluster (Cluster SPRING and Cluster CLAN agrifood) this MS degree program provides skills and expertise necessary to deal with the full range of issues in this complex field. The masters program offers an extensive training program for professionals interested in working within the bio-based goods and services industry using biological resources and bio-technological processes.

Organisations visited:

- **Tuesday 17th May: Green Generation** (<http://greengeneration.ie/>). Use anaerobic digestion to convert food and food production waste into renewable biogas, electricity and high quality organic fertiliser.
- **Tuesday 17th May: Irish Bioeconomy Foundation (IBF):** (<https://bioeconomyfoundation.com/>). IBF is Ireland’s national bioeconomy association and innovation cluster. It was founded in mid-2017 to establish a forum of industry, academia and policy leaders around Ireland’s emerging bioeconomy. IBFs mission is to promote the conversion of Irelands’ natural resources to high-value products for the development of a sustainable bioeconomy. We do this by helping members: facilitating relations among bio-based businesses, generating synergies between sustainable initiatives, and enabling projects to reach their potential.
- **Wednesday 18th May BHSL:** (<http://www.bhsl.com>) Agri-tech company that has developed a unique, patented system (Fluidised Bed Combustion) to convert the untreated poultry manure into energy for heating, cooling and electricity generation to meet the energy needs of the farms.
- **Wednesday 18th May Munster Technological University (MTU):** (<https://www.ittralee.ie/en/>) Third-level institution offering Postgraduate Diploma in Bioeconomy with Business (<https://www.ittralee.ie/en/InformationAbout/Courses/ParttimeStudy/PostgraduateDiplom>



[ainBioeconomywithBusiness/](#)). The college is involved in a number of EU-funded projects including BIOBEC and has Circular Bioeconomy Cluster South-West (<https://cbcsw.ie/>).

- **Wednesday 18th BioAtlantis:** (<https://www.bioatlantis.com/>). Provides sustainable technologies to enhance plant, animal and human health. It leads the scientific-based movement to reduce the world's dependence on agrochemicals and avoid the overuse of antibiotics in animals.
- **Thursday 19th Moorepark Technology** (<https://www.moorepark.ie/>). MTL operates an ultra modern pilot plant covering 3,000 sq. metres floor area. The facility contains the most up-to-date and versatile pilot scale processing equipment available.
- **Thursday 19th Rock of Cashel** (<https://heritageireland.ie/places-to-visit/rock-of-cashel/>). Ireland's most visited heritage site, the Rock of Cashel stars in countless images of the Emerald Isle. Queen Elizabeth II of Great Britain even visited by helicopter during her 2011 official tour of the country. Perched upon a limestone rock formation in the Golden Vale, this magnificent group of medieval buildings includes the High Cross and Romanesque Chapel, the 12th-century round tower, a 15th-century castle, and a 13th-century Gothic cathedral.