



GALACTICA

LEARNING EXPEDITIONS

VALENCIA

Spain

18-19 October 2021

SEVILLE

Spain

28-29 October 2021

ATHENS

Greece

01-02 November 2021

**PRATO/
FLORENCE**

Italy

08-09 November 2021

NANTES

France

15-16 November 2021

HAMBURG

Germany

25-26 November 2021

**BARCELONA/
TERRASA**

Spain

29-30 November 2021

PORTO

Portugal

02-03 December 2021

LEARNING EXPEDITION - VALENCIA

Take part in an enlightening 2-day journey where you can discover the Valencian Innovation ecosystem.

The first day we will connect you with inspiring innovators from UPV ready to share their experience and best practices – from disruptive start-ups to innovative companies, entrepreneurs, research centres and universities departments.

Get inspired by the workshop to foster co-creation towards revolutionizing ideas for Galactica second call for proposals among textile, advanced manufacturing and aerospace.

At evening over a cup, relax yourself and meet other colleagues, having a drink in good company.

The second day we will visit a textile company with a vertical business model and a research centre focus on metal additive manufacturing and development of new applications for composite and modified materials.

We are waiting for you!

Day 1 - 18th October	
Time	Activities
9:00-9:15	Welcome and registration
9:15-10:00	Presentation of UPV and visit to the laboratories of the Higher Technical School of Design Engineering (Degree in Aerospace Engineering and University Master in Aeronautical Engineering)
10:00-11:00	Presentation of UPV actions to stimulate entrepreneurship and challenge resolution by students. Pitch of groups or start-ups related to aerospace, satellite data, and additive manufacturing. https://stratolloon.com/ https://www.idstopografia.com/ https://bemore3d.com/
11:00-11:30	Coffee break & networking
11:30-12:00	Presentation of spin-offs UPV related to Galactica sectors: Ikasia technologies Vlc photonics https://fentiss.com/
12:30-14:00	Presentation of technological challenges in radio frequency communication and visit to the ESA laboratory at the UPV. Val Space Consortium - Visit the immersive technology laboratories of the Institute for Research and Innovation in Bioengineering I3B.
14:00-15:30	Lunch
15:30-18:30	Cross-sectoral fertilization Workshop AITECH Challenges Presentation In this workshop, people from the start-up environment, students of the master's degree in engineering, and local companies will participate in a guided process to work in groups to provide solutions to specific challenges.
>18:30	Networking event in Valencia city center Dinner

Day 2 - 19th October	
Time	Activities
9:00-14:00	Visit to the two plants (Picassent and Alcudia) of TEJIDOS ROYO . It is a textile company founded in 1903, with a vertical business model that includes: <ul style="list-style-type: none"> • Spinning • Indigo • Weaving • Piece dyeing • Special finishing
14:00-15:00	Lunch
15:00-17:00	• Visit to Aidimme's additive manufacturing plant.

“Discover the Valencian Innovation Ecosystem”

LEARNING EXPEDITION - SEVILLE

Seville is the third aeronautical pole in Europe. The Andalusian Aerospace Sector is made up of 129 companies, with a turnover of 2,530 million € and 15.931 professionals employed. It is mainly located in Seville (94 companies) and Cádiz (25 companies) area. It contributes or 1.57% Andalusian GDP. The sector is quite diverse in its typology. According with the main, you can find companies of mechanical activities and tooling (35 companies), of engineering and consulting (29), services (23), electrical and electronic equipment (11), testing (11), assemblies (10), general aviation (4), composite materials (3), tractors (2) and space (2). The majority of sector is dedicated to aerostructures (47%), services represent a 38%, 1% corresponds to engines, 6% to equipment and systems, while space is around 1%. At the supply chain level, equipment and systems reach 6% and the engines 2%.

The Seville's learning expedition will allow European SME's from textile, aerospace and advanced manufacturing sectors to know the Andalusian Aerospace Sector. SMEs will have the opportunity to visit one of the most important aerospace technology centers in Europe, [CATEC](#), and to know some companies and [Andalucía Aerospace Cluster](#).

We are waiting for you!

SEVILLE

Day 1 - 28th October	
Time	Activities
Morning	<ul style="list-style-type: none">• Bus meeting point• Andalusia Aerospace Cluster presentation• Visit to the Andalusia Advanced Center for Aerospace Technologies (CATEC) - conditioned to COVID restrictions
Lunch	
Afternoon	<ul style="list-style-type: none">• Industry visits - conditioned to COVID restrictions.• Solar Mems (confirmed)

Day 2 - 29th October	
Time	Activities
Morning	<ul style="list-style-type: none">• Bus meeting point• Visit to industry to be confirmed• Workshop on innovation management at CREA (Seville Business incubator center)
Lunch	
Afternoon	<ul style="list-style-type: none">• End of the Learning Expedition

“Andalusia, 3rd aerospace pole
in Europe”

LEARNING EXPEDITION - ATHENS

Corallia is an incubator, youth entrepreneurship accelerator, and multi-Cluster facilitator established in 2005 as a Unit of the Athena Research Centre and has played a key role in the development of the Greek startup ecosystem.

Corallia is one of the main pillars of the Greek innovation ecosystem and a think-tank that underpins national development plans in Greece. Corallia has supported up to date more than 300 innovative enterprises, of all sizes, to grow in Greece and internationally, of which more than 100 new start-ups. More than 10.000 people and organisations have directly benefited from our activities, including would-be-entrepreneurs, startups, SMEs, large corporations, pupils and students, while the indirect beneficiaries exceed 100.000 civilians and organisations.

The 2 days learning expedition event in Greece aims to connect the EU SMEs with the Greek space ecosystem. The SMEs will have the opportunity to meet stakeholders from both the public and the private sector like the Greek Ministry of Digital Governance, the Hellenic Space Centre, the Hellenic Association of Space Industries, the ESA BIC Greece, several venture capitals, meetings with si-cluster members, successful start-ups. The full agenda will be customised and finalised based on the business profile and needs of the SMEs that will participate. Bilateral meetings will also be planned.

Day 1 - 1st November	
Time	Activities
10:00-11:30	<p>Visit Corallia & ESA BIC Greece Offices Corallia's aim is the systematic management and development of clusters and other structures to support entrepreneurship. Today, it coordinates one of the highly specialized technology clusters in Greece, the si-Cluster (Space Technologies & Applications).</p> <p>European Space Agency Business Incubation Centre in Greece provides support to start-ups to turn their space-connected business ideas into commercial companies, with the objective to create and strengthen the community of successful space related start-ups in Greece by supporting 25 incubatees over the period of 5 years under the ESA BIC scheme.</p>
11:30-13:00	<p>Visit Hellenic Space Centre The Hellenic Space Center formulates the elements of the national strategy and the definition of an action plan in the domain of space</p>
13:00-14:00	Lunch
14:00-18:00	<p>Customized business meeting with the Greek space ecosystem (venture capitals, successful start-ups, other SMEs active in the spacer sector)</p> <p><u>The full agenda will be customised and finalised based on the business profile of the SMEs that will participate.</u></p>
18:00-20:00	Historical tour to the Acropolis, the Ancient Agora and the Temple of the Olympian Zeus
20:00	Dinner in Ancient Athens

Day 2 - 2nd November	
Time	Activities
10:00-13:00	<p>Visit Hellenic Association of Space Industries HASI members, which are mostly Greek high technology companies, currently represent the biggest part of Greece's research and manufacturing person power in the space technology and applications sector.</p>
13:00-14:00	Lunch
14:00-16:00	Cross-sectoral fertilization innovation workshop

“Have an innovation tour in„the Greek space ecosystem”

LEARNING EXPEDITION - PRATO/ FLORENCE

Take part in the 2-day learning expedition to discover the Tuscany textile ecosystem.

Prato is one of the most important textile manufacturing area at national and European level, with a strong history in recycling wool. The textile and clothing sector represent the most relevant reality in terms of number of companies in the sector (around 7.000), of people employed (around 44.000) and economic turnover. The industrial district present an active environment where growing interdependence among companies, and different actors drive to an innovative approach for the fashion system.

To have a wide and heterogeneous vision on the T&C reality of Prato, the 2-day Learning Expedition organized by Next Technology Tecnotessile, will bring you to discover the production of traditional T&C companies as well as more innovative companies engaged in textile recycling and in the technical textile production.

The first day will be dedicated to the visit of the cluster organization and later to manufacturing and wastewater management companies.

The second day you will attend a workshop dedicated to circular textile and technical textile with the participation of experts, exponents of the T&C industry as well as the intervention of entrepreneurs. Networking opportunities will be then possible through meetings and social event with local companies and actors.

We are waiting for you!

PRATO/ FLORENCE

Day 1 - 8th November	
Time	Activities
Morning	• Visit to NTT - Cluster presentation
	• Visit to a textile company specialized in high fashion textiles - Prato area
Lunch	
Afternoon	• Visit to a textile processing factory in finishing - Prato area
	• Visit to GIDA, Management of water purification plants, (Prato)

Day 2 - 9th November	
Time	Activities
Morning	• Workshop on Prato textile ecosystem, circular textiles and technical textiles with experts and exponents of Prato area
Lunch	
Afternoon	• Networking and meetings with local stakeholders

“One of the most important textile manufacturing areas of Europe”

LEARNING EXPEDITION - NANTES

Participate to the GALACTICA Learning Expedition, a 2 day visit of the innovative western France ecosystem of advanced manufacturing. The Pays de la Loire Region is the 3rd French industrial territory and gathers digital expert companies and technology providers.

During this 2-days event, you will have the opportunity to discover advanced manufacturing technologies and industry 4.0 ambition.

You will visit several high-level research institutes and technical centers specialized in manufacturing and composites, such as the IRT Jules Verne and the CETIM, but also learn about the implementation of advanced manufacturing technologies in companies such as AIRBUS and DAHER plants.

You will also visit companies dedicated to production system and digitization and get an overview of the latest trends in industry 4.0.

The learning expedition will end with an inspiring cross-sectoral fertilization workshop, where you will exchange with the other attendees about respective projects and innovation paths.

NANTES

Day 1 - 15th November	
Time	Activities
Morning	<ul style="list-style-type: none">Participant presentationVisit of the Technocampus Composites, gathering key companies focusing on innovation around composites and materials:<ul style="list-style-type: none">Daher
Lunch	
Afternoon	<ul style="list-style-type: none">Visit of the Technocampus Composites:<ul style="list-style-type: none">IRT Jules Verne (Advanced Manufacturing Technology center)Airbus Nantes TechnocentreCETIM (Technical Centre for Mechanical Industry)

Day 2 - 16th November	
Time	Activities
Morning	<ul style="list-style-type: none">Advanced technology companies dedicated to the Industry 4.0 (digitalisation and advanced process).
Lunch	
Afternoon	<ul style="list-style-type: none">Cross-sectoral fertilization Workshop

“Discover the local ecosystem of advanced manufacturing technologies and composites”

LEARNING EXPEDITION - HAMBURG

Take part in an insightful 2 day journey discovering the latest technologies in the aviation industry in the metropolitan area of Hamburg - the world's third largest civil aviation location. The program will help you to understand the aviation industry and how the implementation process and the future of the advanced and smart manufacturing looks like and get to know the needs of the aerospace sector in some areas.

The L.E. main focus is on visiting factories and a research center that have implemented smart technology into their production and research line. There will be enough time for networking throughout the journey and an inspiring cross-sectoral fertilization workshop with active participation of the attendees. The whole program will lead to know-how transfer between the different sectors and facilitate innovation mechanisms to create cross-sectoral collaboration for innovation.

The L.E. will most likely take you to the [ZAL \(Center of Applied Aeronautical Research\)](#), [Synergeticon](#) (AI solutions), [Lufthansa Technik \(Cabin Interior and VIP\)](#) and 2 more aerospace companies (subject to change)

Day 1 - 25th November	
Time	Activities
9:30-9:45	Welcome and registration
9:45-10:45	Visit of ZAL - Center of Applied Aeronautical Research the leading technological research and development platform for civil aviation (or “Silicon Valley of aeronautics”) . ZAL works on the integration and industrialization of innovative aviation technologies.
10:45-11:15	Coffee break & networking
11:15-12:00	Visit Synergeticon , a leading system provider for digitalization and AI solutions to adapt production and operations
12:00-13:30	Lunch & networking
13:30-17:30	Cross-sectoral fertilization Workshop @ZAL This innovation workshop organized by Innoshot will bring together the different sectors with the aim to reduce the silo-like sectoral boundaries. Target is to get-to-know the operations in other sectors, the innovation mechanisms and seeding of cross-sectoral collaboration for innovation.
>17:30	Evening event & networking in Hamburg City Centre

Day 2 - 26th November	
Time	Activities
8:30	Meeting point at the entrance Hotel Hafen
9:00-10:30	Business Breakfast and visit of Krüger Aviation , highest quality custom-tailored aerospace certified components manufactured using state-of-the-art CNC machining, injection molding, 3D printing and various thermoforming processes.
11:00-12:30	Visit of Fraunhofer IAPT , one of the leading institutions in the field of additive production with the core competencies AM design, AM processes and AM systems. The focus is on the industrialization of additive technologies and the associated technology transfer to enable completely new and resource-efficient products.
13:00-13:30	Lunch & networking
13:30-15:00	Visit CompriseTec Composite and Polymer Technologies, Innovative partner developing customized plastic and fibre composite components in the heart of Hamburg. Covers all project phases from the idea to the efficient series production.
>15:00	End of the event

“Smart technology and manufacturing in the civil aviation industry and cabin interior – Visit the world’s 3rd largest civil aviation location.”

LEARNING EXPEDITION - BARCELONA/ TERRASSA

AEI Tèxtils welcomes you in Barcelona region to discover the state of the art advanced textile materials made in Catalonia together with its highly dynamic innovation ecosystem.

You will have inspiring visits to manufacturing companies from the different value chain stages of advanced textile materials for different sectors, from industrial applications to personal protection equipment to smart textiles. You will see the different process from yarn to fabric and end products. On top of that, you will also have tours in the UPC university and LEITAT technological center to discover the innovation ecosystem.

You will also have plenty of chances for networking, the first day with members from AEI Tèxtils and the Catalan innovation ecosystem, while on the second day you will be able to meet participants in final of the second GALACTICA hackathon.

Do not miss the opportunity to join this learning experience and co-create potential ideas for the second call for proposals of GALACTICA!

Day 1 - 29th November	
Time	Activities
9:00	Pick up at meeting point.
9:15	Welcome and registration
09:30-11:00	Visit LEITAT Technological center // https://www.leitat.org/en/
11:30-13:00	Visit UPC Terrassa: Departments of Textile Engineering, Industrial Engineering and Aerospace Engineering // https://eseiaat.upc.edu/en
13:30-16:00	Lunch & networking
16:00-18:00	Cross-fertilization Workshops
>18:00	Networking cocktail with local companies

Day 2 - 30th November	
Time	Activities
9:00	Pick up at meeting point
10:30-12:00	Visit to LIASA and CINPASA https://www.laindustrialalgodonera.com/en https://cinpasa.com/en
13:30-15:00	Lunch & networking
15:30-17:00	Visit MARINA TEXTIL group https://marinatextil.com/ https://texfire.net/en/ https://marinaracewear.com/en/
>18:00	Networking with GALACTICA Hackathon participants (optional)

“The ecosystem of advanced textile materials in Catalonia”

LEARNING EXPEDITION - PORTO

PRODUTECH, the Portuguese production technologies cluster, is an articulated network of manufacturing technology providers capable of responding to both competitiveness and sustainability challenges and to the overall manufacturing industry's requirements with innovative, flexible, integrated and competitive solutions.

The objective of this GALACTICA learning expedition is to present interesting cross-sectoral innovations connecting advanced production technologies, textiles and aerospace entities.

On the first day, 2 visits to technological centres are previewed: [CITEVE \(Technological Centre for Textile & Clothing\)](#) and [CENTI \(Centre for Nanotechnologies and Smart Materials\)](#). In the afternoon we'll take you to meet 2 or 3 advanced manufacturing companies.

On the second day you'll be able to participate in [EMAF](#), the biggest portuguese fair to machines, equipment and services for industry. The programme finishes with an inspiring cross-sectoral fertilization workshop with active participation of the attendees.

Looking forward to welcome you all in Portugal!

PORTO

Day 1 - 02nd December	
Time	Activities
Morning	<ul style="list-style-type: none">• Presentation of CITEVE and CeNTI.• Visit to CITEVE technological center for textile & clothing• Visit to CeNTI - Centre for Nanotechnology and Smart Materials
Lunch	
Afternoon	<ul style="list-style-type: none">• Visit to 2/3 production technologies companies (tbd)• Networking event (tbd)

Day 2 - 03rd December	
Time	Activities
Morning	<ul style="list-style-type: none">• Visit EMAF Fair & Networking with production technologies companies that are exhibiting (pre-schedule)
Lunch	
Afternoon	<ul style="list-style-type: none">• Cross-sectoral fertilization Workshop @ EMAF (location to be confirmed)

“The Portuguese advanced
production technologies provider”

