



We are more than happy to be back with the fifth and last GALACTICA newsletter.

As you well know, **GALACTICA project is a cross-regional partnership** with eight EU countries involved that includes eight innovation clusters from **advanced manufacturing, aerospace, and textile industries**, one investor network and one business incubator and accelerator.

The project **fosters the creation of unidentified or unexplored market opportunities for existent and new companies** in the development of latent and emergent value chains. It will overcome information and market failures by gathering together companies from diverse industrial sectors, R&D organizations, clusters and by bringing to life a set of tools, instruments and triggering initiatives that will create a basis for the establishment of new value chains.

**The scope of the newsletter is to provide updates on project progress** and inform you about highlights as well as GALACTICA and other relevant events.

Concluding, all **GALACTICA partners would like to thank you** for your interest in our project, your support on each activity, and your active involvement.

The GALACTICA Consortium.

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# FINAL EVENT

GALACTICA HAS DISTRIBUTED 74K IN AWARDS FOR THE BEST PITCHES AND POSTERS PRESENTED AT THE FINAL EVENT



February 20th, 2023- GALACTICA, has hosted its Final Event in Barcelona, on 16th February 2023. Galactica which aims is to demonstrate the viability of new industrial value chains regarding the textile and aerospace sectors based on advanced manufacturing across the EU, has held the final event in Barcelona with more than 110 attendees.



The GALACTICA final event has been held in parallel to the EBAN IMPACT Summit in order to synergize the participation of both communities.



# AGENDA

## 16TH FEBRUARY

9:30	Registrations and Welcome coffee
10:00	<b>Presentation GALACTICA</b> Virginie Perron, <i>Project officer at European Commission</i> Josep Casamada, <i>Project manager at AEi Textils</i> Océane Le Bot, <i>Project manager at Pôle EMC2</i> Giulia Francioni, <i>Junior Project Manager at Next Technology Tecnotessile</i> Julia Vercher Alemany, <i>Project Manager of European Projects at ATEVAL</i>
11:00	<b>Innovation at the intersection of sectors: why it is worth to keep an eye on other sectors when innovating</b> Francisco Javier Leiva Rojo, <i>Innovation Program Manager at Enel Grids</i>  <b>Investing in DeepTech: challenges and opportunities</b> Árisz Kecskés, <i>Investment Manager at Herius Capital Space Fund</i>
11:40	Networking break
12:00	<b>Startups, acceleration and sustainability in the aerospace sector: a framework for DeepTech sectors</b> Mario Vesco, <i>Venture Manager at Sustainable Aviation Lab</i>  <b>Super-entrepreneurship, SpaceTech and building the world we love</b> Fabrice Testa, <i>Visionary Entrepreneur and Super Coach</i>
12:45	<b>Orbital pitches</b> 5 companies Jury members: Marco Nannini, Annukka Mickelsson, Fabrice Testa
13:30	Lunch
14:45	<b>How the Catalonia region is driving impact entrepreneurship and investment</b> Lluís Junca, <i>Director General for Innovation, Digital Economy and Entrepreneurship at Generalitat de Catalunya</i>  <b>Innovation trends in the textile industry</b> Lutz Walter, <i>Secretary General at The European Technology Platform for the Future of Textiles and Clothing</i>  <b>Sustainability and circularity in the textile industry: challenges and outlook</b> <ul style="list-style-type: none"> <li>– Monica Ardanuy Raso, <i>Head of the Textile Engineering Section of the Department of Materials Science and Engineering at Universitat Politècnica de Catalunya</i></li> <li>– Sergi Artigas, <i>Innovation Board Strategic Manager at Leitat</i></li> <li>– Audra Shallal, <i>Coreinvest Vice President Relations Management, Coaching and EBAN Board Member</i></li> <li>– Lutz Walter, <i>Secretary General at The European Technology Platform for the Future of Textiles and Clothing</i></li> <li>– Enrico Venturini, <i>Tuscany Fashion Cluster Manager (moderator)</i></li> </ul>



16:00	<b>Pioneer pitches</b> 5 companies Jury members: Marco Nannini, Annukka Mickelsson, Fabrice Testa
16:45	Break (+Jury decision)
17:00	<b>Awards (€74k in prizes) and final words</b>
17:30	Cocktails

## 17TH FEBRUARY

9:30	<b>Welcome speeches</b> Michael Donaldson, <i>CTO and CIO Barcelona City Council</i> Juan Alvarez de Lara, <i>Chairman EBAN Impact</i>
9:45	<b>Impact Investing in Europe, the Business Angels perspective</b> <ul style="list-style-type: none"> <li>- Lisa Hehenberger, <i>Director Esade Center for Social Impact</i></li> <li>- Annukka Mickelsson, <i>President at FiBAN and EBAN Impact Committee member</i></li> <li>- Marco Nannini, <i>Founder and CEO at Angels4Impact - Impact Hub Milano</i></li> <li>- Alex Farcet, <i>Cofounder of rainmaking and cofounder Startup Bootcamp</i></li> <li>- Juan Alvarez de Lara, <i>Chairman EBAN Impact (moderator)</i></li> </ul>
10:30	<b>How new taxonomy will change green finance</b> by Sirpa Pietikainen, <i>Former Minister of Environment of Finland</i>
11:00	Networking break
11:30	<b>Impact Investing: VC in Europe</b> <ul style="list-style-type: none"> <li>- Jaume Iglesies, <i>Expert in Impact Investing, ex Head of UBS Impact</i></li> <li>- Vera Elizabeth, <i>Venture Partner at Unconventional Ventures</i></li> <li>- Elena Rico, <i>Managing Partner at Impact Partners</i></li> <li>- Teresa Guardans, <i>Founder and CEO Oryx Impact, board member at SpainNab</i></li> <li>- Eva Hernandez, <i>Head of Sustainable Finance at Instituto Estudios Financieros (moderator)</i></li> </ul>
12:15	<b>Corporates committed with Impact Investing</b> <ul style="list-style-type: none"> <li>- Clara Navarro, <i>CoFounder of Ship2B</i></li> <li>- Marta Oller, <i>DKV Seguros</i></li> <li>- Ramón Lopez Roldan, <i>Head of Innovation Ecosystems at VEOLIA Spain</i></li> </ul>
13:30	<b>Impact trends: future of sustainable finance after cop27, it's all about the data</b> Sir Ronald Cohen, <i>Chair of The Global Steering Group for Impact Investment (GSG) and Co-Founder of Apax Partners [virtual]</i>
13:45	Closing words
14:00	Lunch





# FUNDING OPPORTUNITIES

The event started with a general overview of the project and achievements by the project coordinator and other consortium members, focusing on the best practices and the new value chains generated in the project. Then the project officer explained new funding opportunities through open calls and the 1st part concluded with the announcement of open calls of other running projects in which the partners of Galactica are also members.



## OTHER FUNDING OPPORTUNITIES



The event followed with interesting keynote speeches more focused on technologies and aerospace as:

- Innovation at the intersection of sectors: why it is worth to keep an eye on other sectors when innovating.
- Investing in DeepTech: challenges and opportunities
- Startups, acceleration and sustainability in the aerospace sector: a framework for DeepTech sectors
- Super-entrepreneurship, SpaceTech and building the world we love.



After a networking break the five selected orbital projects presented their pitching and answered the questions of the jury members:

- MVRPT - Aerospace
- NOC-STRUT - Textile
- SolarCube - Aerospace
- Iroony hemp textile materials by Ionic Liquid-based manufacturing- Textile
- AMPERE - Aerospace



The Orbital Projects voucher had supported the demonstration of new cross-sectoral value chains connecting the different sectors of GALACTICA with initial market tests of the products and services developed.

After lunch the Director General for Innovation, Digital Economy and Entrepreneurship at Generalitat de Catalunya explained how the Catalonia region is driving impact entrepreneurship and investment.

In the afternoon Lutz Walter (ETP) presented:

- Innovation trends in the textile industry



And participated in a round table of 5 textile experts around Sustainability and circularity in the textile industry: challenges and outlook.

At the end of textile round table the five selected Pioneer presented their pitching and answered the questions of the jury members:

- ABEP- Aerospace
- certBLOC - Textile
- rCF - Textile
- Impact protection using green composite s- Aerospace
- BiomX- Textile

The Pioneer Acceleration voucher has supported the exploration of new cross-sectoral value chains with focus on developing a Minimum Viable Product (MVP).



Meanwhile we had also a poster exhibition with the results of 20 of the projects, and three awards under poster category.



# WINNING PROJECTS

## -ORBITAL PROJECT-

After a short break the Jury members take a decision, and we had final ranking list:

PROJECT	COUNTRY	SECTOR	AWARD	RANKING
SolarCube	Italy	Aerospace	20k€	Winner
Iroony	France	Textile	9k€	Runner-up
AMPERE	Spain	Aerospace	9k€	Runner-up

### SolarCube

The winner, SolarCube has developed Origami-inspired deployable solar panels. SolarCube has grown with Galactica. They were the winners of the student teams on the 1st Hackathon, they created a company and get a Pioneer in the 1st Call and an Orbital in the 2nd Call.



### Iroony

The Runner-up Iroony have scaled a cleaner manufacturing process using one ionic liquid as a safer solvent for the extraction of cellulose from sustainable biomass.



### AMPERE

The Runner-up AMPERE has been developed ATHENA, a modular and versatile electric propulsion system for nanosatellites.



**-PIONEER ACCELERATION-**

PROJECT	COUNTRY	SECTOR	AWARD	RANKING
Impact Protection	Portugal	Aerospace	12k€	Winner
ABEP Kreios Space	Spain	Aerospace	7k€	Runner-up
rFC	Spain	Textile	7k€	Runner-up

**Impact Protection**

The winner, Impact protection has developed a composite with a higher capacity to absorb and dissipate the impact energy. This was achieved through the combination of natural fibers, natural foams, and smart materials.

**ABEP Kreios Space**

The runner-up ABEP has optimised the compression rate, efficiency and weight of an air intake a key part of the Air-Breathing Electric Propulsion.

**rFC**

The runner-up rCF has developed the first high drapability fabric made with 100% recycled carbon fibers.





## WINNING POSTERS

### CIRCULAR FUNCTIONAL

2500€  
Textile

Fibre polyamide recycling.

### ROBOCORK

5000€  
Aerospace

With the fabrication of a prototype using sustainable materials of the fuselage and textile cover of a bioinspired flapping wing aerial robot prototype.

### IDD - INFLATABLE DE-ORBIT DEVICE

2500€  
Aerospace

Have scaled prototype of an inflatable passive de-orbiting device for satellites.



## MAIN OUTCOMES AND GALACTICA SUCCESS STORIES

GALACTICA supported beneficiaries who collected more than 4 Million € in funds, 90% of which from private funds.

In particular, Adrian Senar Tejedor from ABEP Kreios Space project shared the following comment:



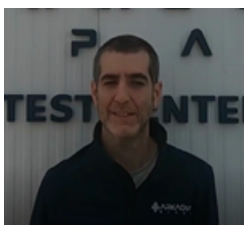
*"We received funding from Space Quest Ventures this month, in which Galactica took an important role since it allowed us to demonstrate our capacity of developing and testing leading edge technologies. Aside from that, we have also received a 40k€ non-dilutive investment from BF-Aero, a Galician aerospace accelerator program."*

Georg Breitenberger from Textile-reinforced parametric free-form façade, commented:



*"Galactica pioneer funding was my first funding and has contributed significantly to the growth of Parastruct. In the early stages, this programme and the teaching units were a great help. This enabled us to reach further funding from the Austrian Wirtschaftsservice (AWS) and the Forschungsförderungsgesellschaft (FFG). Finally, we were accepted into the EIT Climate KIC. Also, we won AI4Copernicus Prize: Detecting urban heat island with help of satellite data, EIT Circular Economy Prize in the Topic Waste Valorisation and logistic and we are one of 20 startups in the global challenge for MIT Climate and Energy Prize. We will pitch for the final on 09.03 in Paris."*

Francisco Espinosa from INCEPTION:



*"The Galactica project has been key. It has helped our company to begin the development of a differentiation element for our line of products. This fact alone has contributed to attract investors, but also potential customer deals, which, in turn, has also contributed to attract investors."*

GALACTICA supported the beneficiaries also in the development of the revenues, of the exports, of the staff and of clients and partners.

André Godinho Luz from ManualTwin, shared how GALACTICA supported their results:



*"We have been tracking manual operations from some time using skeleton tracking, but automatic detection of tasks was not working properly before GALACTICA."*

*GALACTICA enabled us to have one team member full time on this development, and as we already had some customers very much interested in the technology, was easy for us to work with them to get the data from the factory and validate the technology."*

*That has helped us to move forward with several contracts that involved detection of manual tasks as that is quite an important aspect on many industrial processes to solve quality problems and improve efficiency."*

*Although we are a 6 year old company, our subsidiary in Brazil has been historically the one that had bigger revenues as customers such as Mercedes, Volkswagen, Renault. More recently the Portuguese entity started to increase its revenues, so we had quite a large pipeline that we knew they were interested in this technology, so that impact from GALACTICA was massive!"*

# THANKS

The Galactica Consortium thanked all attendees for the participation and all companies and stakeholders involved throughout the Project, who showed that the work pursued within the project had a real impact!

Congratulations to all the winners! They are super entrepreneurs, find solutions and push the limits of technology (Fabrice Testa).



The final event concluded with a networking cocktail at Pier 01 with all participants.



# MEET THE PARTNERS



# CONTACTS

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