

New European Space ERA Earth-Telecommunications-Navigation Cooperation Opportunities for Greece and France

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business
incubation
centre
Greece



si-cluster
a corallia initiative

corallia
inspiring innovation. driving excellence



mi-cluster

Σχετικά με το mi-Cluster

Νέα

Εκδηλώσεις

Ευκαιρίες Καριέρας



mi-cluster

Innovation & Technology

a silver-labeled cluster

more than 1500 talented professionals

over €55 mil. turnover

over €35 mil. exports

www.mi-cluster.gr



gi-cluster
a corallia initiative



gi-cluster
a corallia initiative

Σχετικά με το gi-Cluster

Νέα

Εκδηλώσεις

Ευκαιρίες Καριέρας

Commercial Cooperation

a **gold-labeled**
cluster

more than
1200 talented
professionals

over **€185 mil.**
turnover

presence in
190 countries

www.gi-cluster.gr



si-cluster
a corallia initiative

Σχετικά με το si-Cluster

Νέα

Εκδηλώσεις

Ευκαιρίες Καριέρας



Innovation & Technology

a gold-labeled
cluster

more than
3000 talented
professionals

over 250 mil.
turnover

more than
50 patents
filed



si-cluster
a corallia initiative

www.si-cluster.gr

BE YOUR OWN BOSS

PRINCE'S TRUST INTERNATIONAL ENTERPRISE PROGRAMME IN GREECE



2.500 applications

500 participants

www.beyourownboss.gr



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OWN
BOSS



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Incubation
acceleration &
co-working
programme

Established
on 2013 by
Eurobank &
Corallia

>100
startups
accelerated

Mentors
Facilities
Services
Training

Apply on
www.theegg.gr
every
February

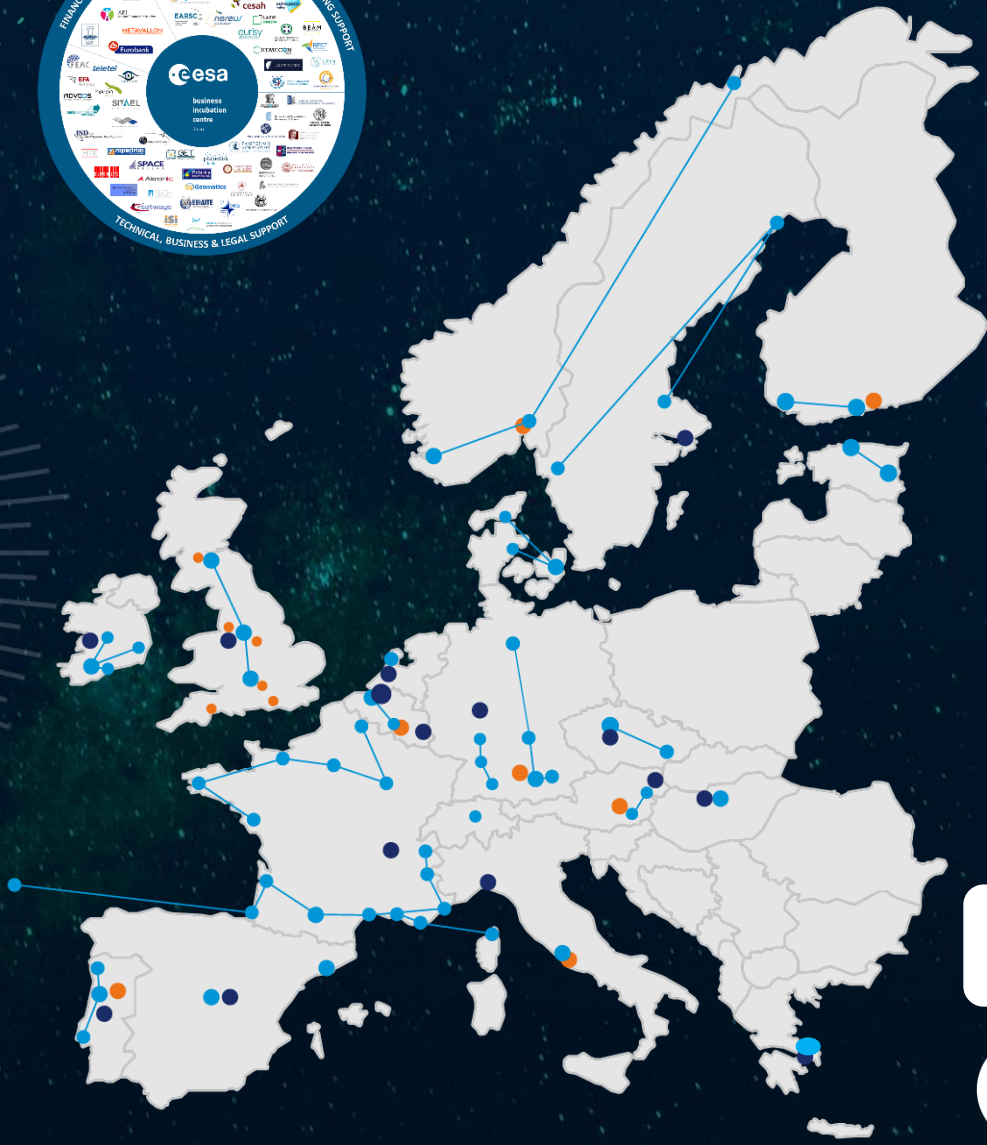




business
incubation
centre
Greece



ESA BIC Greece



www.esa-bic.gr



European Space Agency



corallia

imohub





CASSINI Hackathon Greece



ΓΕΛΑ!



Hack with a purpose at the CASSINI Hackathon Greece. Leverage #EUSpace data & signals to access, understand and protect our natural spaces.

Put your skills to the test and tackle one of our three challenges under the theme of Digitising Green Spaces:

#1

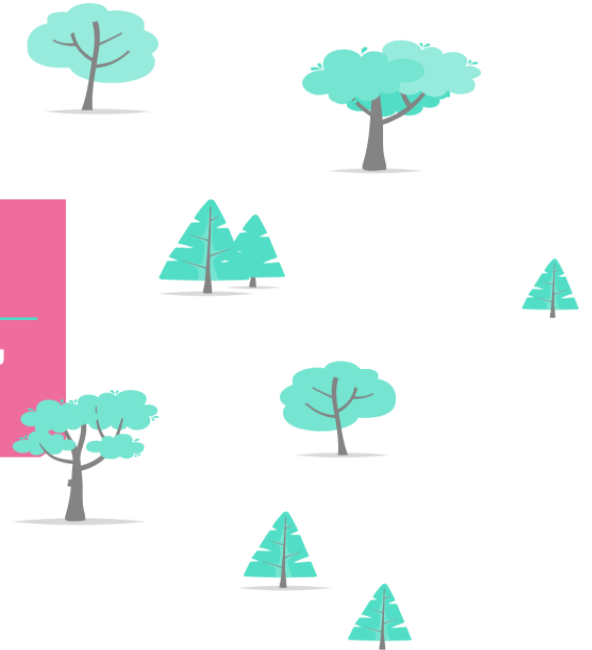
Discover your city

#2

Staying fit & healthy

#3

Protecting our rural areas





HACKINNOW



10
challenges

>50
participants

16 new
applications
produced

Global Presence



si-Cluster, 2014 | 2016



gi-Cluster, 2014 | 2015 | 2016



si-Cluster, 2016



mi-Cluster, 2015 | 2016



Corallia, 2014



mi-Cluster, 2015 | 2016



si-Cluster, 2014 | 2015 | 2016



gi-Cluster, 2014 | 2015



mi-Cluster, 2016



gi-Cluster, 2015 | 2016



Corallia, 2012 | 2014 | 2016



3 continents
>15
countries

>30 participations
in exhibitions/
roadshows/
trades fairs



THE MOST POWERFUL ULTRA-LOW POWER HARDWARE & SOFTWARE SOLUTIONS

GPUs & AI Inference Accelerator for the Edge

Minimal silicon area of only
0.11mm²



→ ACQUISITION

Helic acquired by ANSYS

Summary

Overview

Acquired Organization:



Helic

Helic is a semiconductor company specializing in Electronic Design Automation software.

Acquiring Organization:



ANSYS

ANSYS develops engineering simulation software used to predict how product designs will behave and how manufacturing processes will operate.

Announced Date

Jan 22, 2019

Acquisition Type

Acquisition

Acquisition Status

Pending



ADVEOS
A BEKEN COMPANY

AntCor acquired by u-blox



Summary

Overview

Acquired Organization:



AntCor

Antcor is a provider of software baseband IP for the communications and connectivity chip industry.

Acquiring Organization:



u-blox

u-blox creates wireless communications and positioning semiconductors and modules for the industrial, automotive and consumer markets.

Announced Date

Aug 6, 2014

Acquisition Type

Acquisition

Acquisition Status

Complete

Disposition of Acquired Organization

Combined



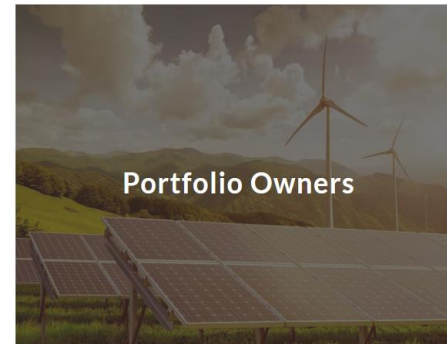
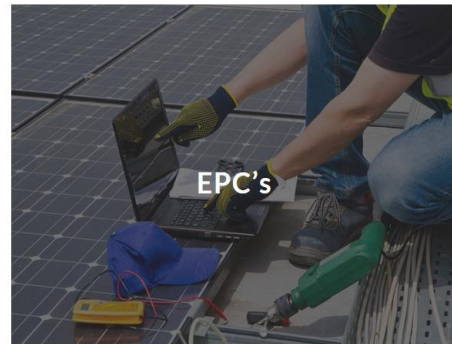
UNITY

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Our Expertise Will Make Your Needs Reality



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PEOPLE

DETECTION AND SOFT
BIOMETRICS

PERSON ID: 01

GENDER: MALE

AGE: ADULT (30-49)

ATTRIBUTES


-> CARRYING LUGGAGE CASE

-> HAIR SHORT

-> LOWER BODY FORMAL

-> UPPER BODY FORMAL

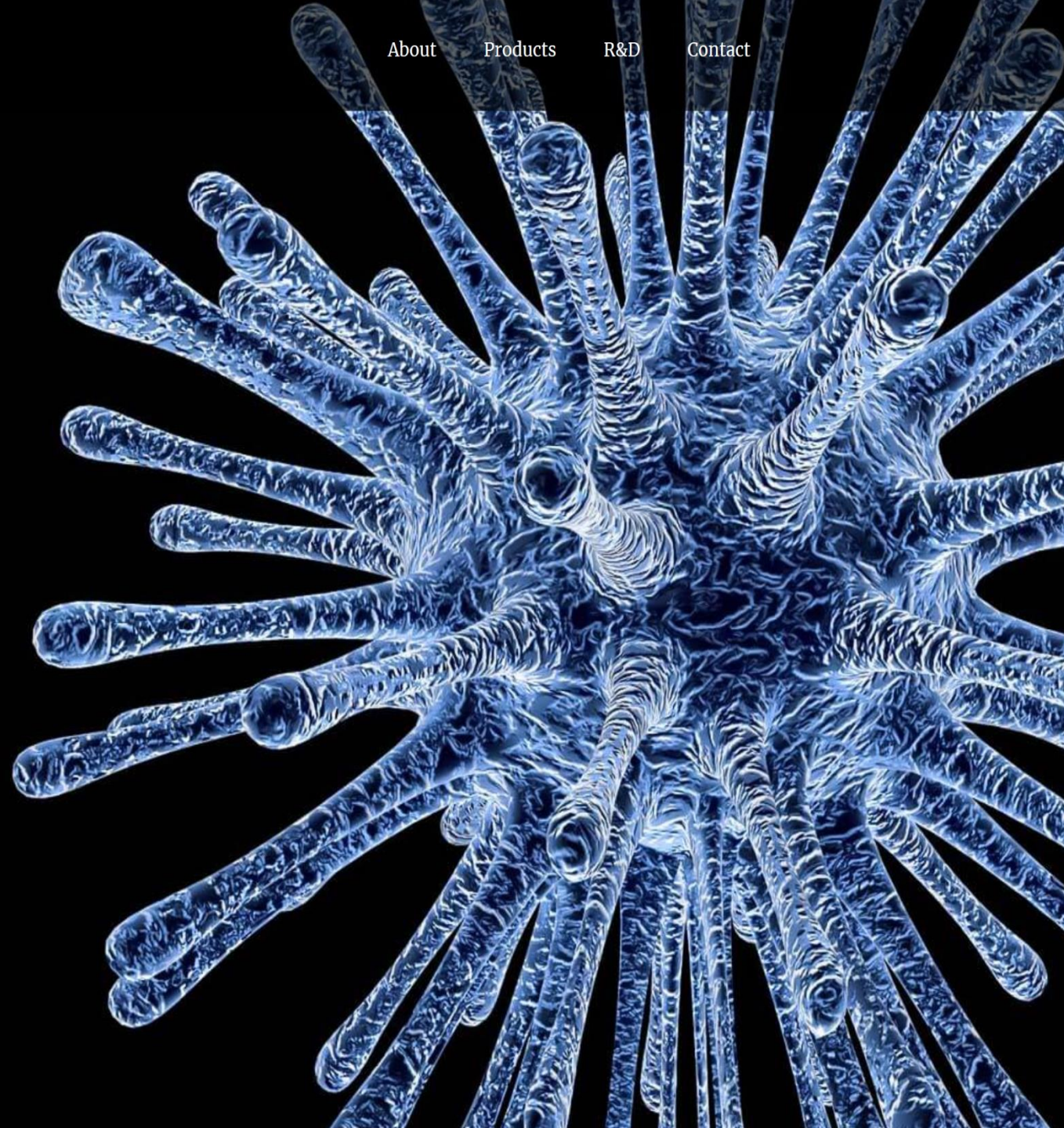
Vision AI Solutions
for Smart Cities & Spaces

[Learn more](#) 

2bull MeDiTherapy

Prevention is better than cure

Desiderius Erasmus



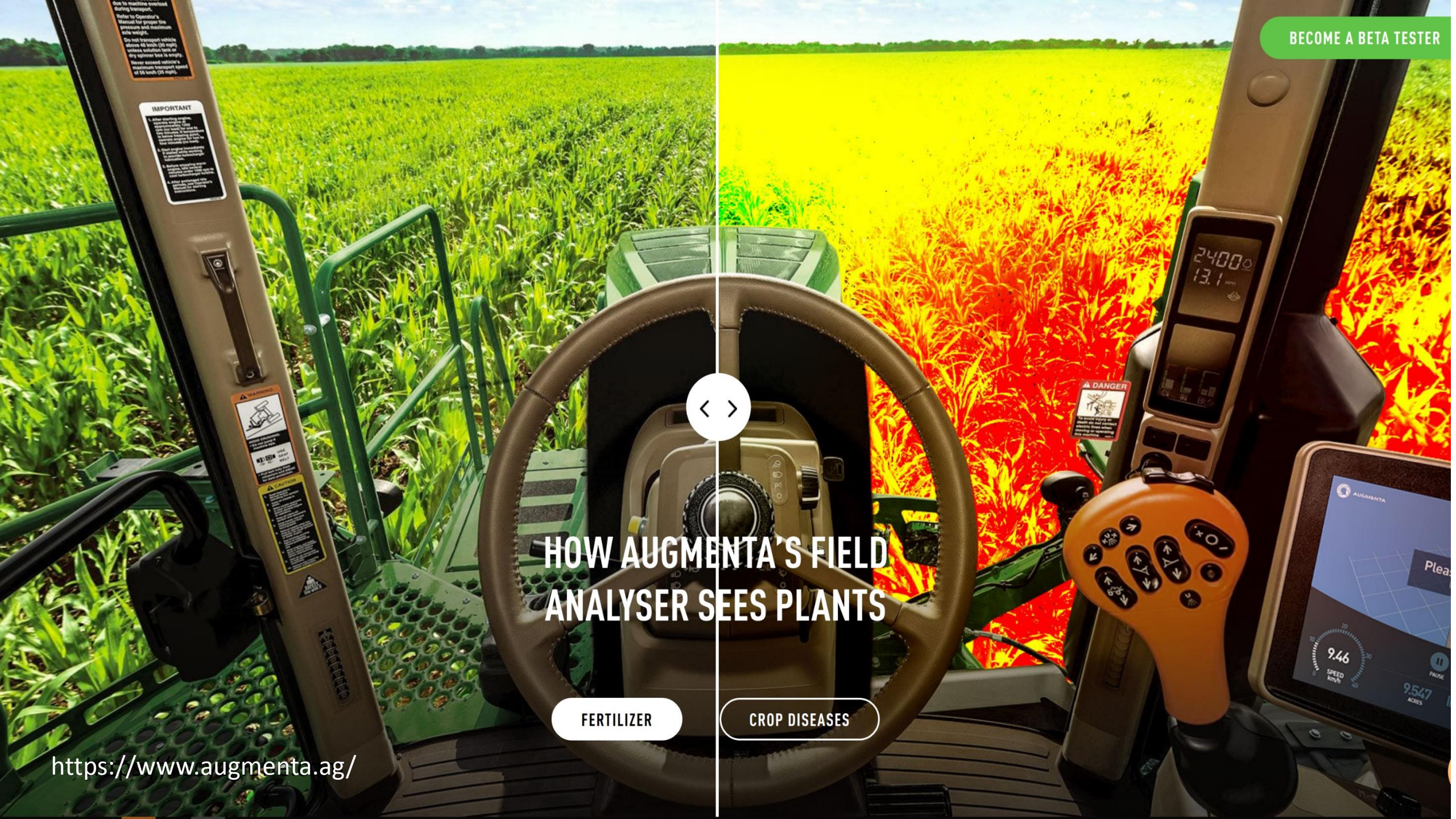
BECOME A BETA TESTER

HOW AUGMENTA'S FIELD ANALYSER SEES PLANTS

FERTILIZER

CROP DISEASES

<https://www.augmenta.ag/>



DEMOCRATIZING PRECISE LOCATION CAPABILITIES FOR IOT DEVICES

GLIMPSING ON OUR TECHNOLOGY AND VALUE
PROPOSITION



France-Greece



Inspiration | Collaboration | Innovation



Interregional Cooperation



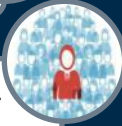
23.10.2013
Meeting with French
Embassy in Athens



06.02.2014
Introduction to AV
by Praxi Net



17.03.2014
Proposal for Ambassador
Programme



03.04.2014
1st Meeting with AV



01.07.2014
Participation in the Toulouse
Space Show



01.07.2014
MoU signed



12.01.2015
1st Ambassador
Programme



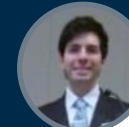
01.10.2015
French-Greek Space
Networking Day



23.10.2015
MoU signed
between GSRT and
CNES



23.11.2015
2nd Ambassador
Programme



28.06.2016
Toulouse
Space Show



05.12.2016
3rd
Ambassador
Programme



08.09.2017
Advanced
Collaboration
Agreement signed



10.10.2017
4th Ambassador
Programme



France-Greece Cluster Collaborations



Inspiration | Collaboration | Innovation





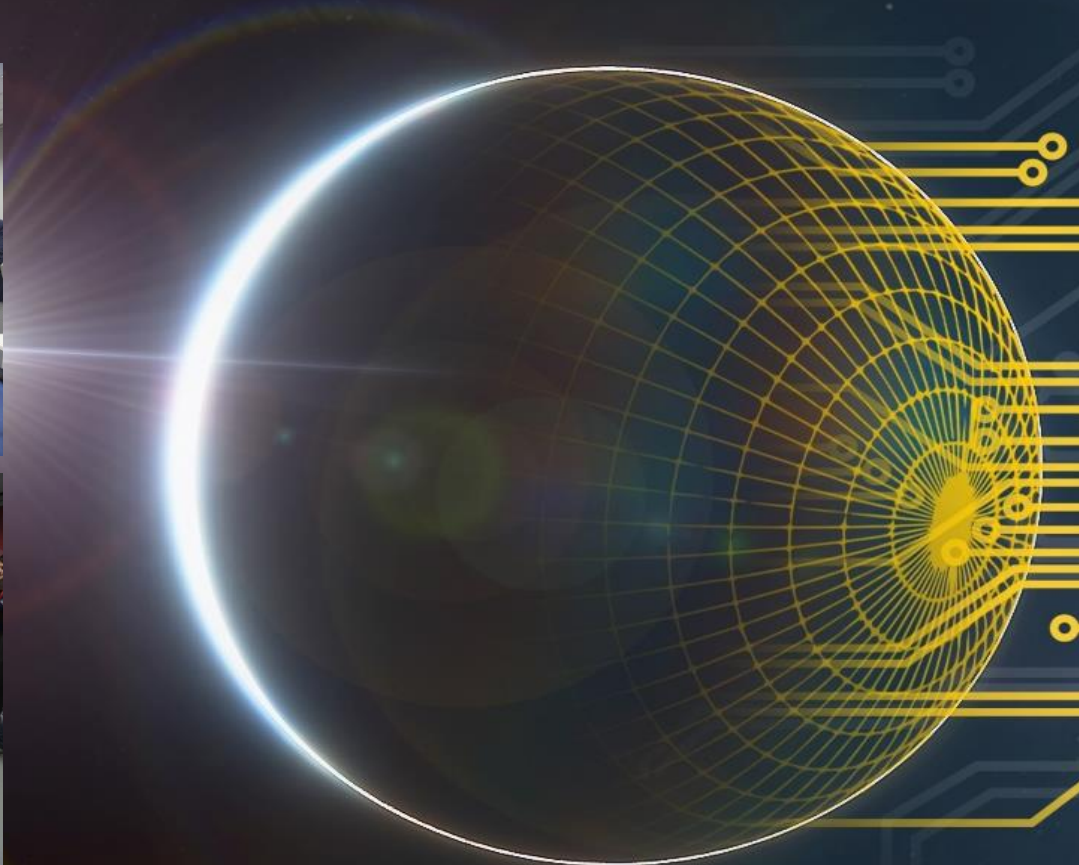
Inspiration | Collaboration | Innovation



Airbus



Thales Group



Platinum Sponsor:

AIRBUS

Bronze Sponsor:

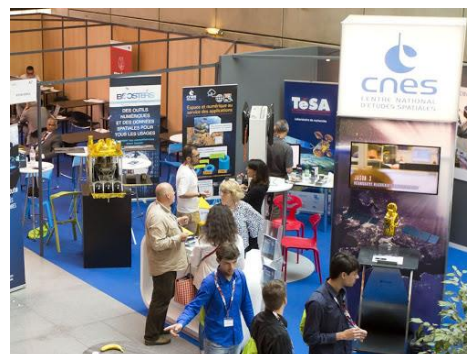
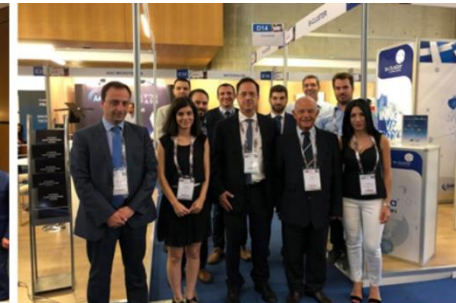
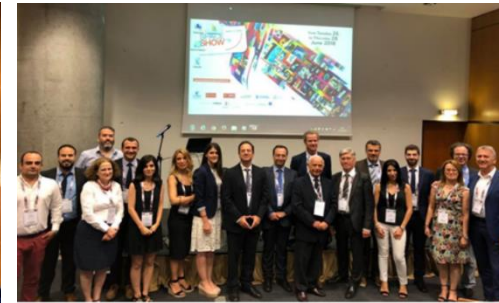
THALES

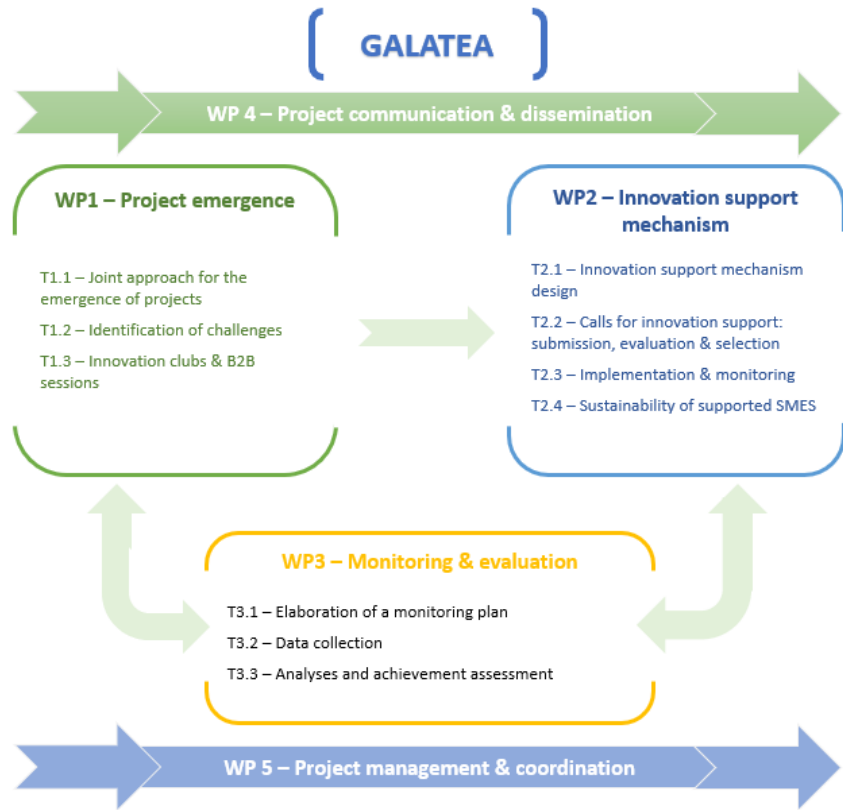
170+
Registrations

14 Sponsors
24 Partners

8 Challenges
& 3 Prizes

3 Pre
Hackathon
Trainings





innovative SMEs and facilitated Develop of **new cross-sectoral and cross-border industrial value-chains**, supporting by clusters, to foster the development of **Blue Growth key industries** in Europe to be competitive at the global level

- Foster the creation or improvement of products (goods and service) or the improvement of production processes with the reduction of raw material consumption.
- Enhance the development of new value chains in the targeted **4 Blue Growth domains** through a systematic approach providing innovation support to individual and consortium of SMEs.
- Support the development of large-scale demonstrators.
- Provide innovation support through Financial Support to Third Parties (FSTP), services and other support mechanisms to SMEs.
- Offer SMEs the opportunity to extend their markets worldwide.

4 Blue Growth domains

Smart Port
Smart Ship
Smart Shipyard
Maritime surveillance

8 partners

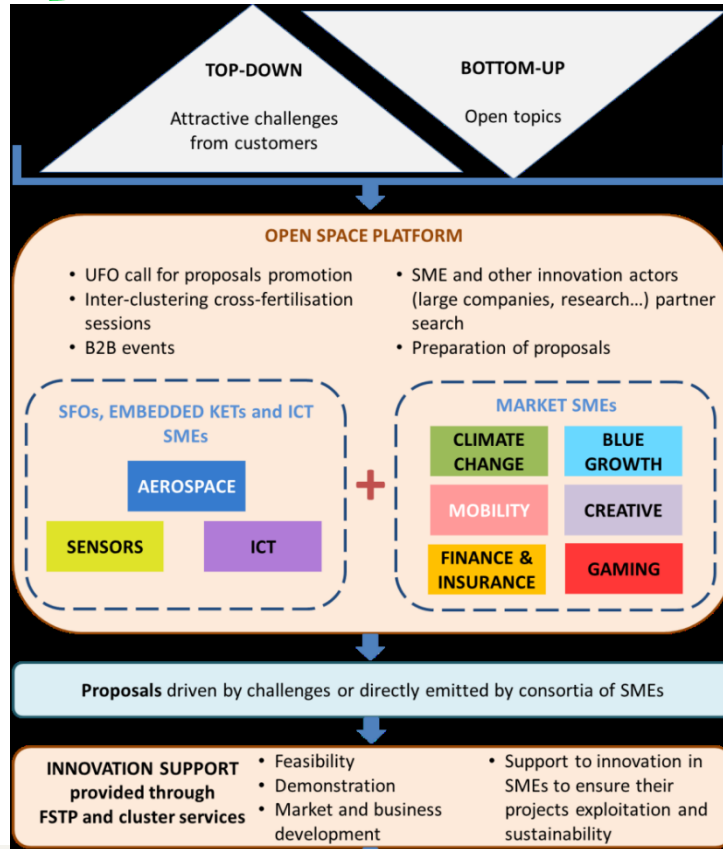
5 countries

2 open calls for proposals

February 2021
August 2021

2 cut-off dates
April 2021
October 2021

innovation support
to 100 SMEs



Support European SMEs **to develop innovative products and services** by integrating new technological solutions and know-how provided by the combination of innovative Small Flying Objects, embedded nano and digital technologies, Key Enabling Technologies (KETs), data analysis and exploitation solutions

- Foster the creation of **new value chains targeting emerging industries**: Climate, Blue Growth, Digital Creative and Gaming, Mobility, Finance & Insurance, Environment.
- Support the development of **new technologies for SFOs applications** addressing societal challenges and emerging industries market needs.
- Optimise the **long-term sustainability of new value chains partnerships** involving SFOs by supporting best initiatives, projects or concepts in seeking additional funding (EU including ERDF, regional, national, private) and investment in commercialization;
- Accelerate the **internationalization of European SMEs** in these value chains by developing cross-border and cross-sectoral collaborations that deliver solutions into key international markets.

Innovation in 6
emerging
industries

8 Partners &
1 Associate

5
countries

1 call for proposals
November 2020

2 cut-off dates
February 2021
Aug.-Sep. 2021

Innovation support
to 75 to 100 SMEs

Funding to 50-75 SMEs

Ports small and medium alliance for sustainable development



Optimise the performance of small- and medium-sized ports through the implementation of innovative tools that help manage tourism flows, control costs provide more services to users and particularly boost the eco-innovation of these ports while reducing the negative environmental externalities resulting from tourism activity.

- **Create a blue growth community** of small-and medium-sized ports. While adopting a transnational approach, PSAMIDES seeks to enable small- and medium-sized ports to create an integrated business ecosystem that provides support to innovation and helps them overcome the current limitation of funds and personnel so that they can identify, by themselves, the most effective solutions in each case.
- **Improve blue growth governance.** PSAMIDES endeavours to create an effective multilevel governance tool and methodology to enable the management experiences to be capitalised, which could be reproduced in hundreds of ports in the MED area.

France, Spain,
Greece, Croatia,
Montenegro

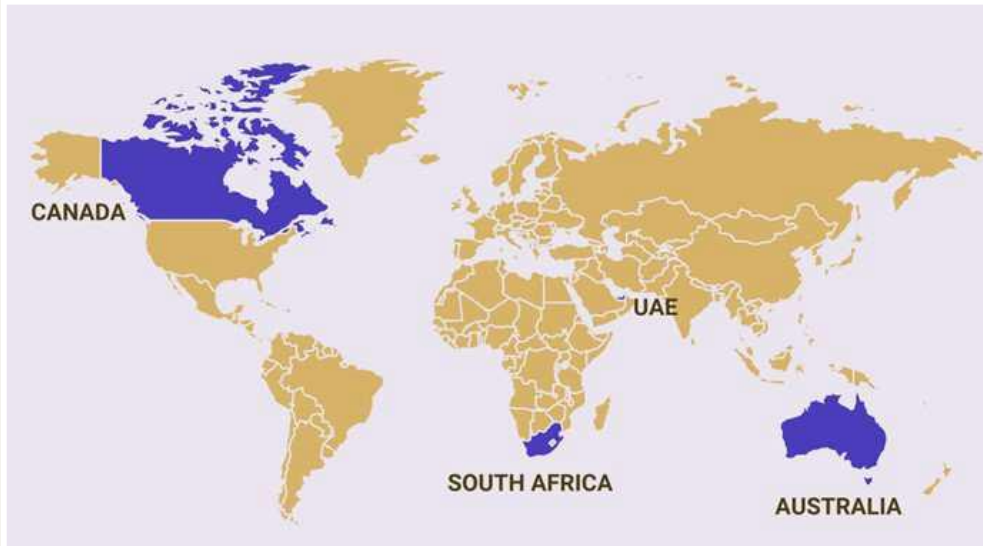
Two thematic areas
Ports
Coastal tourism

Coaching program
Innovation Support
Services
50 SMEs
Launch of the Call
December 2020



Space2Waves

Clusters in action for the internationalization of European SMEs taking advantage of the cross-sectoral dimension of Earth observation for Blue Growth market



Promote access to international markets for European clusters and networks involved in the **development and provision of Earth Observation (EO) products and services in support to Blue Growth.**

- Accelerate the development of more world-class clusters in all COSME participating countries by facilitating cluster internationalization in a more strategic manner at EU level to better support European SMEs in a global competition.
- Encourage European cluster consortia to work concretely together, notably across sectoral boundaries, to exploit synergies and develop a joint “European” strategic vision with a global perspective and common goal towards specific third markets
- Increase the number of “European Strategic Cluster Partnerships – Going International” established in Europe and help more SMEs access third markets and generate growth from international activities.

4 target countries

6 Partner Clusters

Call for SMEs

Deadline: 5/11/2020

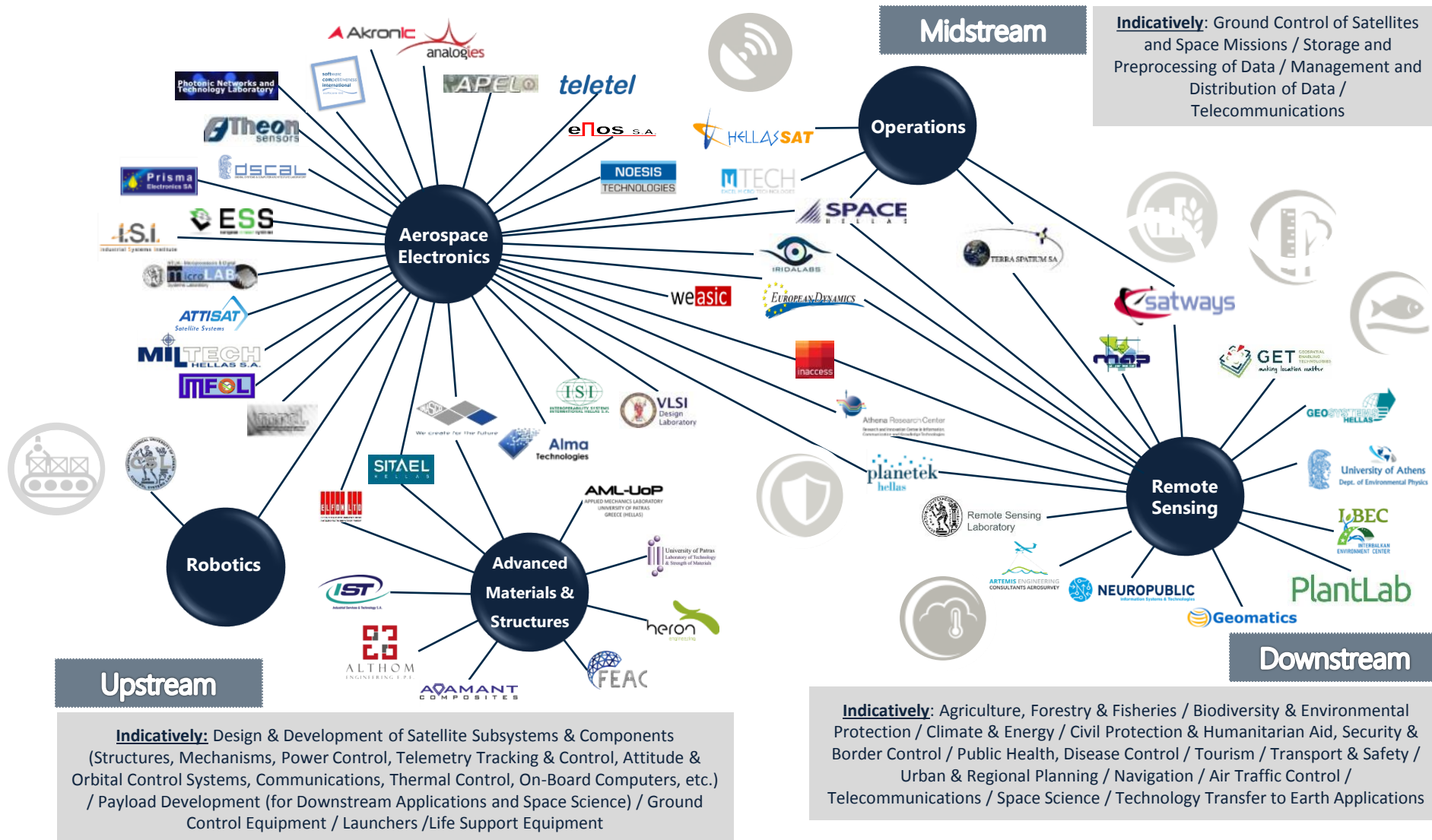
Matchmaking meetings supported ≥ 150
Coaching & Support to ≥ 30 SMEs

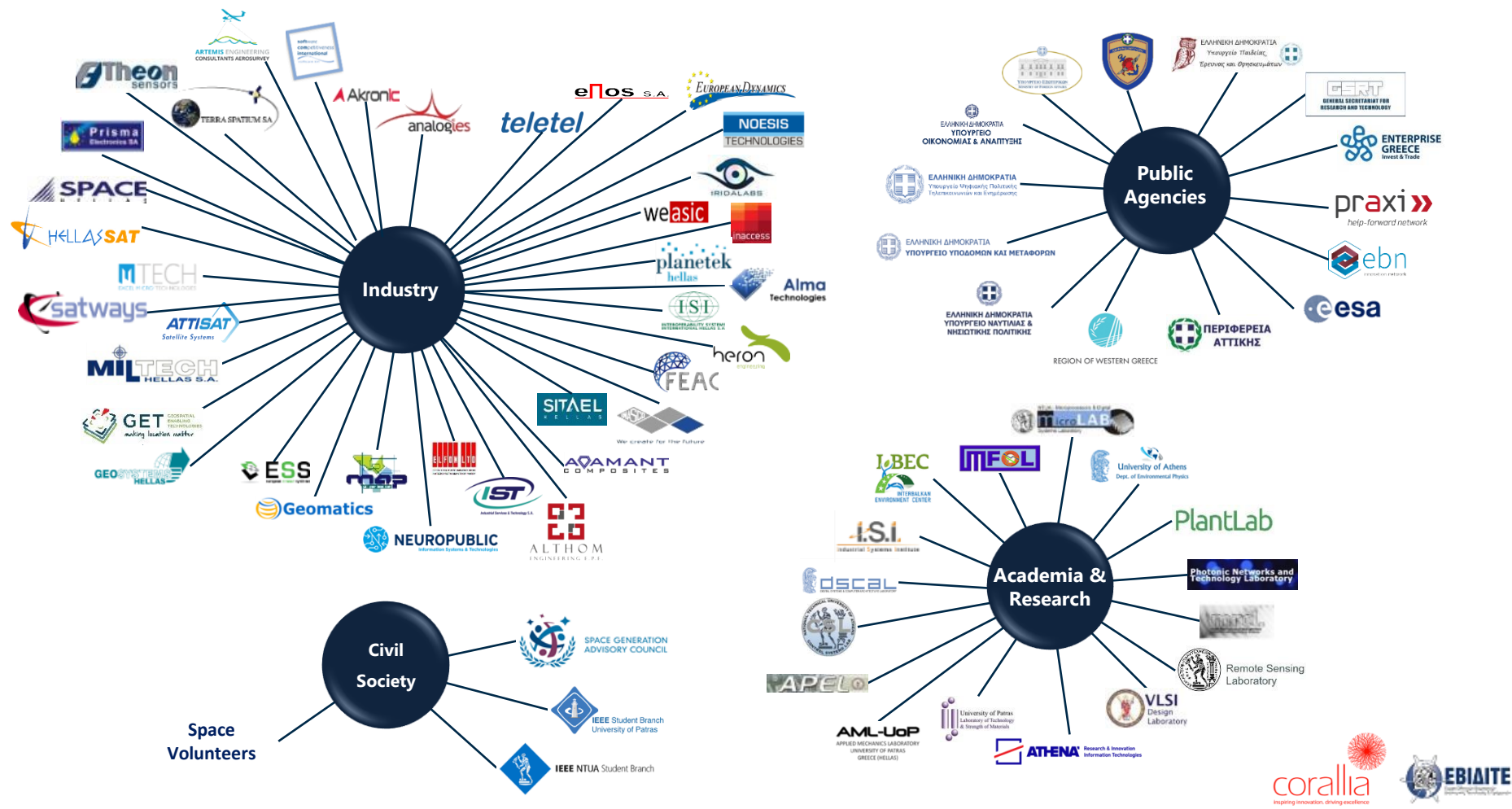
To sustain
a **world class**
cluster on space
technologies
& applications





To place Greece amid the countries which develop **cutting-edge space technologies & applications**, capable of developing and attracting **high impact research, innovation and business activities** that benefit society.





- ASICS and Electronics Design
 - Analogue and Digital ASICS for aerospace applications
- Composites Materials and Structures
 - Sandwich panels, enclosures, struts, fittings, brackets and joints
 - Monitoring systems for Composites Manufacturing
 - Composites Material Engineering Support
- Deployable Structures
 - Large Stable Deployable Structures for Science and EO missions
 - Deployable antennas
- Electric Propulsion Systems
 - PPU Design, manufacture, testing and certification for Low Power EP
- Electrical Ground Support Equipment (EGSE)
 - AOCS, TM/TC, CDMU SCOE
 - SpW, MIL-STD-1553, CAN recorders
- Mechanical Ground Support Equipment (MGSE)
 - Lifting and Handling, Multipurpose Trolleys (MPT)
 - Integration Stands (VIS), Mass Dummy
 - Spacecraft EM Structure (SEMS)
- Novel Materials and Processes
 - Nano-enabled products (prepregs, adhesives, coatings etc)
 - Advanced Ceramics and Metals (Aluminium, Titanium)
- On board Software
 - Development of AOCS, Central Software, Power Control etc.
 - ISVV, Software Validation, Engineering services
- Remote Sensing Applications
 - Synthetic Aperture Radar (SAR) core signal processing
 - Optical images processing
 - Data Fusion for automatic classification
- Sensors
 - MEMs based sensors for aerospace applications

ESA Space Solutions Map 2020



Technologies

Applications

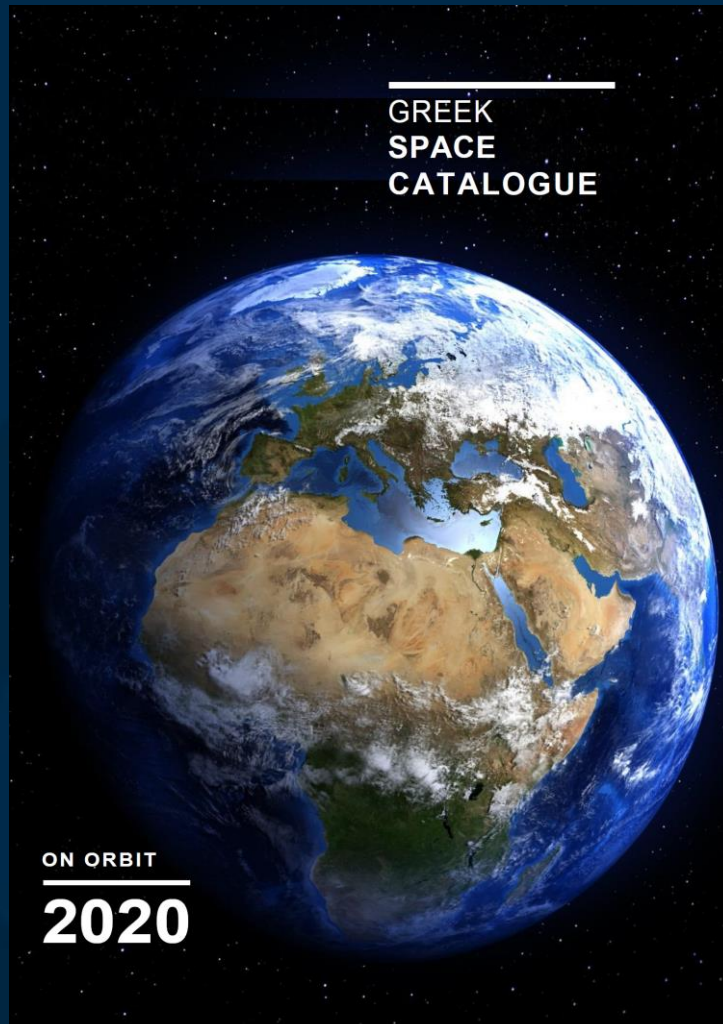
business incubation centre
Greece

Upstream

Downstream

<h3>Engineering</h3> <p>activespace, APR Technologies, AURORA, CEVOTEC, embotech*, CF80 TECH Instruments S.A., emxys, ENTTECH, Oxford nanoSystems, SOLENIX, SPACEMANIC</p>	<h3>Launchers</h3> <p>B2SPACE, ISARAEROSPACE</p>	<h3>Drones & flight</h3> <p>AI Robot, ARCHANGEL, AA AtlasAero, AVY, CONNECT ROBOTICS, HEMAV, INVOLI, LILIUM, MAVINCI, quantum systems, SKYPULL, TWINGTEC</p>	<h3>High-altitude</h3> <p>SkyfloX, STRATOSYST, UNISPHERE GmbH, ZEPH</p>	<h3>Satellites</h3> <p>AISTECH, ASTROCAST, earth, exactEarth, hiber, Lacuna, ORORA TECHNOLOGIES, spire, SAT4M2M</p>	<h3>Space logistics</h3> <p>clearspace, D-ORBIT, LIFT ME OFF, Lumi, RESPONSIVE ACCESS, Open Cosmos</p>	<h3>Communications</h3> <p>INSUR, ANYWAVES, DAPCOM Data services, GOLBRIAK SPACE, mynaric</p>	<h3>Data platforms</h3> <p>bird.i, cloudeo, GEOCENTO intelligent earth imaging, sentinelhub, TERRADUE</p>
<h3>Agriculture</h3> <p>AgSpace, CropOM, EARTH ROVER, ENTOCYCLE, FLOX, GAMAYA, Hummingbird Technologies, SPACENUS, SOLAR FOODS, permagro, Jolorow</p>	<h3>Aviation</h3> <p>AEROFICIAL INTELLIGENCE, avionTEK, CANARD DRONES, esnah, INNOV ATM, SATAVIA, MAKING AVIATION SMARTER</p>	<h3>Education</h3> <p>kitsat, kitsat, openet, VR2Planets</p>	<h3>Energy</h3> <p>ASTROSAT, energeo, FIBERSAIL, GILYTICS, Greenlytics, LEOSPHERE A VAISALA COMPANY, Nnergix, POWER MARKET, Sobolt, Terrabotics, spottitt</p>	<h3>Environment</h3> <p>ApisProtect, COLLECTIVE CRUNCH, Eye2Map, iGeospatial, insolight, MIRICO, Rezatec, SATELLIGENCE, Terramonitor, right. based on science, TESSELO, TREEMETRICS, ZERO GRAVITY</p>	<h3>Entertainment</h3> <p>esplorio, FATMAP, JOHAN, SnapPlanet, INSIGHTART, WeGaw</p>	<h3>Finance</h3> <p>awamo, GEOSPATIAL INSIGHT, mobalo, CYSTEJJA, ORBITAL WITNESS, QUANTCUBE, Pixstart</p>	
<h3>Health</h3> <p>Adaptix, airglass, EARTHSENSE, KINETIKOS, feelSpace, pristem, Reactive Robotics, SALLY R, spaceXlayer, Tec4med, skytree, terroplasma MEDICAL, ELECTROSPINNING COMPANY</p>	<h3>Industry</h3> <p>AVYbotics, fluidlogistics, DELTA CROWN LABS, KEIT, NAVVIS, SPECTRAL INDUSTRIES, Quantitec, SpaceCtek</p>	<h3>Infrastructure</h3> <p>ATTESTIS, klarx, Building Radar, POINT4, DASHBOARD, bimajing, SENSOR, orbital eye</p>	<h3>Logistics</h3> <p>ANAVS, BEELINE, blickfeld, flinc, FIXPOSITION, iGeolise, TeleRetail, HORIZONTAL CITIES, OVINTO, ParkBee, syntony, PAVEXT, qucit, ROKUBUN, sensolus, sevensesense, stratio, TOO GETHR, TOPOSENS, tiramizoo</p>	<h3>Maritime</h3> <p>AutoNaut, DRIFT+NOISE Polar Services, EARTH CUBE, eodyn, GREEN SEA GUARD, planblue, FORSSEA, MARITIME ROBOTICS, MATEREO, navidium</p>	<h3>Safety</h3> <p>EXXFREE, FINDSTER, Lanterne, prooftag, SERELAY TRUST ID MEDIA CAPTURE, THRUVISION PEOPLE-SCREENING</p>		





si-cluster
a corallia initiative

GOLD Cluster Management Excellence
PARTNER FOR CLUSTER EXCELLENCE

The Greek Space Technologies and Applications Cluster

Members' Competences, Technologies, Capabilities
What they are looking for
Update July 2018

|

Μελέτη
Επεξεργασία των αναγκών του Δημοσίου
και προσδιορισμός ενδεικτικών τεχνικών προδιαγραφών
του Ελληνικού Εθνικού Δορυφορικού Διαστημικού Προγράμματος
στο πλαίσιο της συμφωνίας
της Κυβέρνησης της Ελληνικής Δημοκρατίας
με τον Ευρωπαϊκό Οργανισμό Διαστήματος

Ημερομηνία
xx.07.2019

By Athena RC/Corallia



Υπεύθυνος: Dr.-Ing. Jorge-A. Sanchez-P., Athena Research and Innovation Center/Unit Corallia
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ESA Ref:
RFP/3-16068/19/F/MOS

Subject:
Space and Maritime: Analysis of Requirements in Greece

Proposal Title:
Space4Maritime.gr

Date:
28.06.2019

DESCRIPTION OF TENDERER'S FACILITIES FOR THE EXECUTION OF THE WORK

By Athena RC/Corallia and SevenSigma



Bid Manager: Dr.-Ing. Jorge-A. Sanchez-P., Athena Research and Innovation Center/Unit Corallia
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WHERE?



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inspiring innovation. driving excellence