



ALGARVE STP

SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

**The Algarve Tech Hub in a Post Covid-19 world.
Ecosystems & Stakeholders**
IPBN - Ireland Portugal Business Network
18/06/2020 Online event



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

A long story: with me and much more before me



TEDx Portimão 2009: Algarve, is a small Silicon Valley possible ?



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

A long story: with me and much more before me



Michel Porter in 15/05/1994 in Portuguese television (RTP) archives

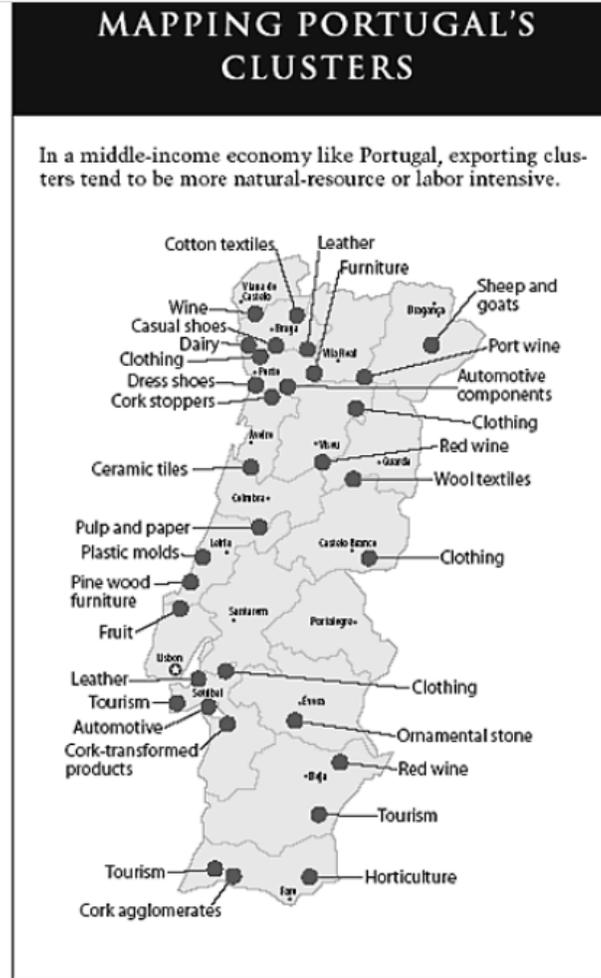
A long story: with me and much more before me



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

**Harvard
Business
Review**

Policy | Clusters and the New Economics of Competition



Michel Porter in 1998 in
Harvard Business Review HBR

Mapping Portugal's Clusters In a middle-income economy like Portugal, exporting clusters tend to be more natural-resource or labor intensive.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Index

- 1. Algarve STP*
- 2. Today ecosystem*
- 3. Algarve Incubators networks*
- 4. On going activities*
- 5. Next activities*



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Associados

Algarve STP (ASTP), Algarve System and Technology Partnership is an association between private and public entities.

Members (currently):

- University of Algarve (UALG)
- National Youth Entrepreneurs Association (ANJE)
- Faro Municipality
- Loulé Municipality
- Portimão Municipality
- DOCAPESCA
- Algarve Evolution Association

The association aims to increase its membership base with public and private entities aligned with the mission of ASTP



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

ASTP statutory objectives

The objectives of Algarve STP:

- promotion of **scientific** and **technological research**;
- enhancing **collaboration** between companies and university institutions
- promoting the **training** and updating of the scientific staff of regional entities;
- provision of **services in the field of innovation** and new technologies, oriented towards modernization and technological transfer to companies.
- collaborate with **other institutions**, promote joint lines of scientific research
- collaborate in the creation of **new technology-based companies**, organize **conferences, seminars** and studies



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

ASTP: Activity planned

Objective:

Create an environment conducive to the formation of a collaborative environment at the regional level, which mobilizes the business environment (cluster):

Algarve Innovation Ecosystem



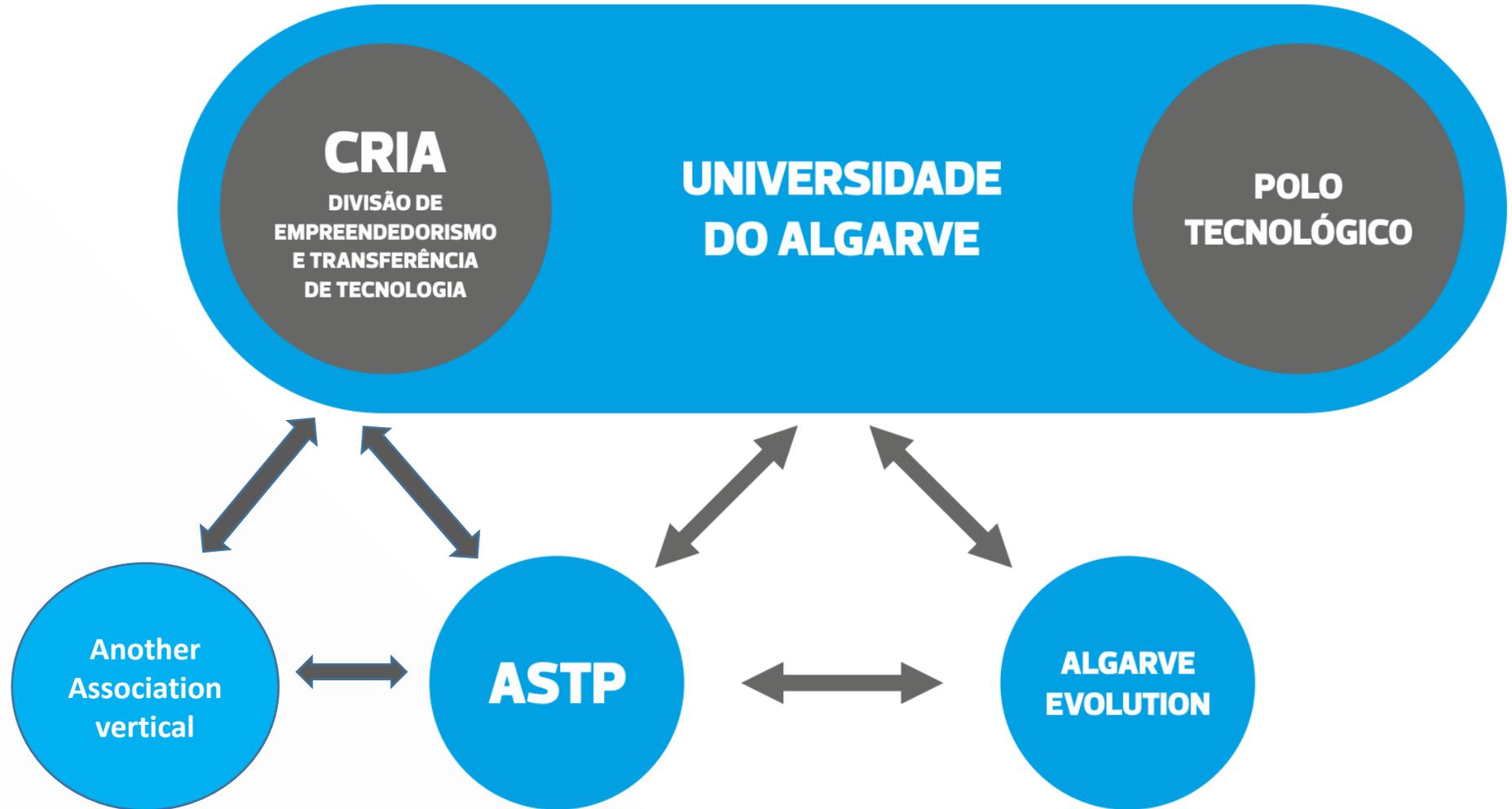
ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Index

1. *Algarve STP*
2. *Today ecosystem*
3. *Algarve Incubators networks*
4. *On going activities*
5. *Next activities*



Ecosystem





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Brands



Algarve
Tech Hub



Algarve
Evolution



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Others association
or companies



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Ecosystem

University of Algarve (UALG)

Entity dedicated to scientific research
and the production of knowledge

- *Approximately 8,000 students (20% international students)*
- *8 Research centers, accredited by the Science and Technology Foundation (FCT)*
- *10 Development Study Centers not recognized by FCT*
- *3 research units with legal personality (CCMAR, CINTAL, ICCE)*





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Ecosystem

Technological Hub

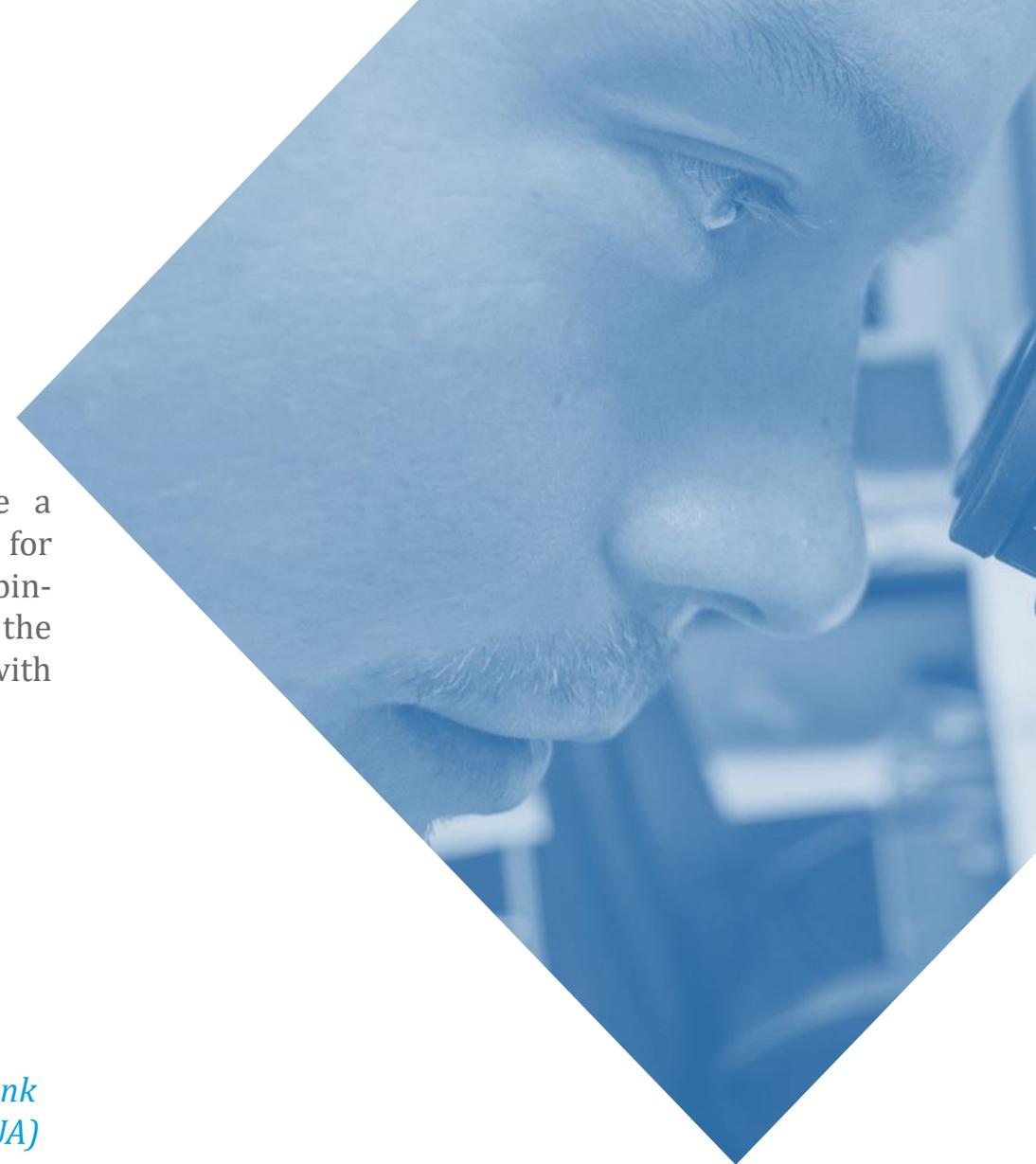
Operation of the University of Algarve to create a technological pole to install a support structure for applied scientific research, to promote academic spin-offs and to install private companies that assume the commitment to carry out projects in conjunction with the University of Algarve

Algarve TECH HUB

- 4,495 m²
- *Verticalization in the ICT area*

Clinical Simulation Center

- 865 m²
- *Specialization in the area of Health and Wellness (link to Centro Hospitalar Universitário do Algarve - CHUA)*





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

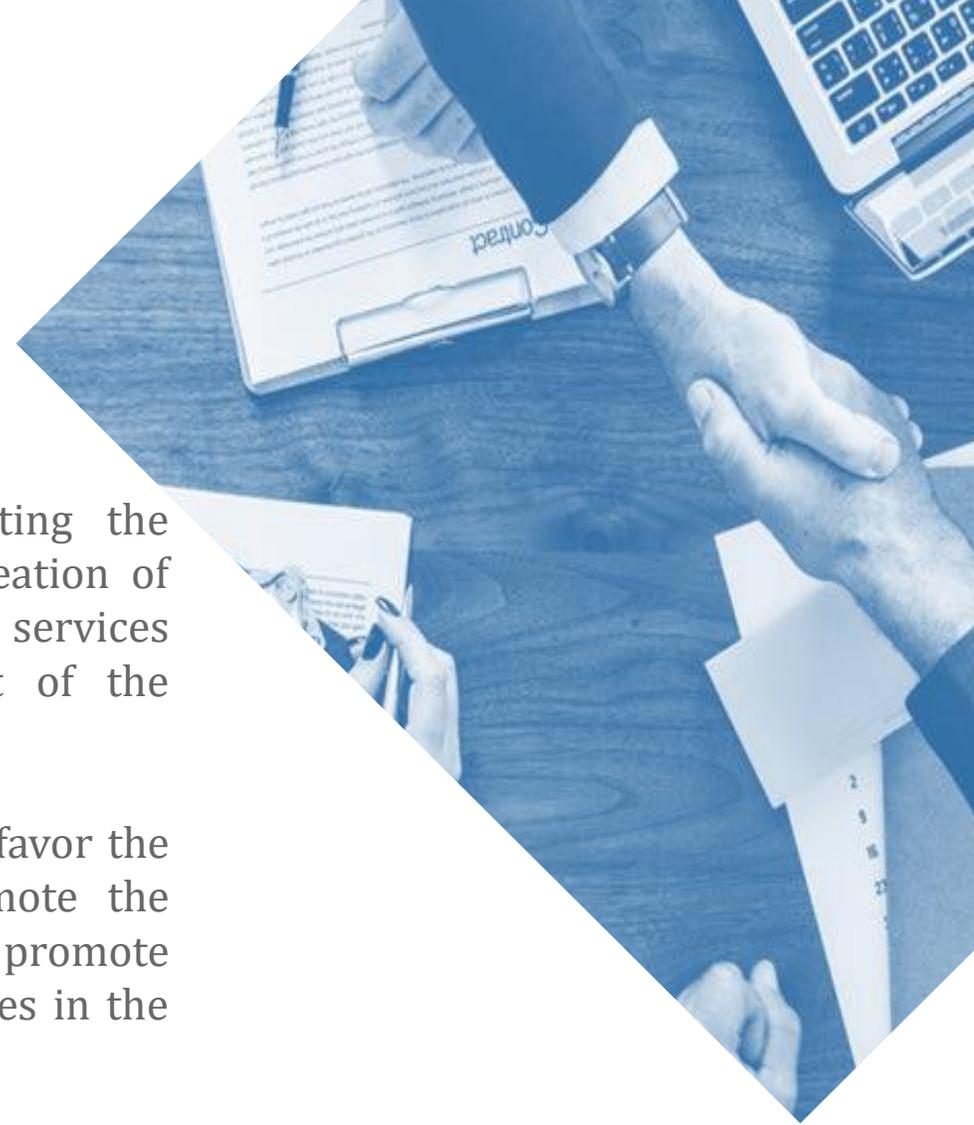
Ecosystem

Algarve Evolution

Private association with the objective of promoting the diagnosis of technological reality, promoting the creation of added value and developing skills, qualifications, and services that contribute to the technological development of the Algarve.

Promote business cooperation with foreign markets, favor the reception in the Algarve of companies that promote the technological sector, attract foreign investment, promote sharing platforms and opportunities for good practices in the sector.

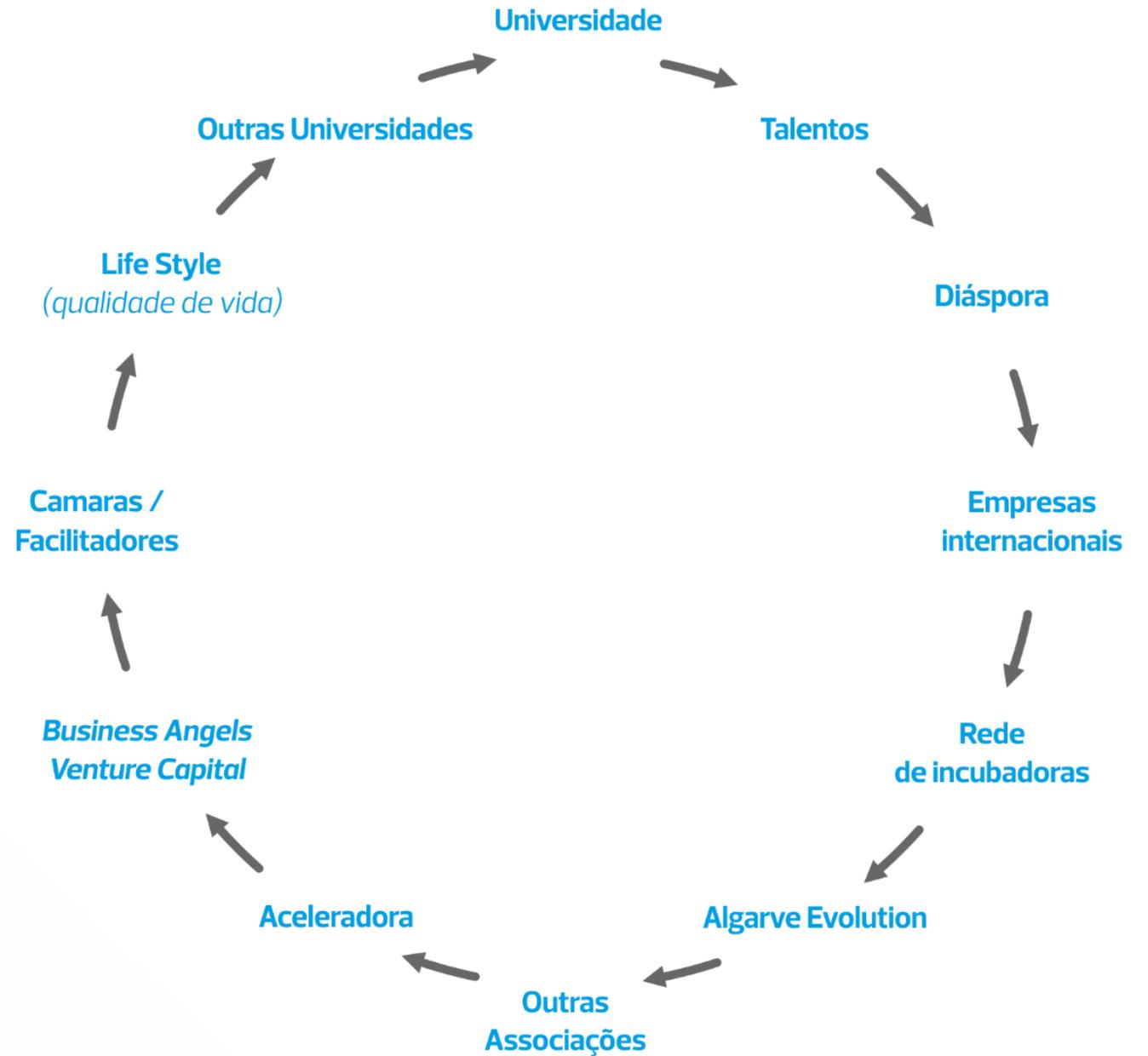
Develop technological service activities with the central and local authorities, for the benefit of the business community, collaborating with the central and local public administration, to promote the development of external commercial relations, in particular by compromising the Algarve





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Ecosystem (present + future)





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Other ecosystem entities 1/2 (current and future)

As an open system, its structuring will be done by voluntary decision of the various entities inserted in the technological fabric and promoting whenever possible the convergence of the respective activities.

Talents: trying to stimulate the attraction of national (diaspora) and international (digital nomads) talents:

International companies: Attract anchor companies that have R&D offices and that can contribute to multiply the ecosystem;

Incubator Network: Standardize procedures and articulate the existing incubator network, promoting the creation of new units and new agents;

Other vertical associations: Encourage the creation of other vertical business associations, based on innovation and intensive knowledge;



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Other ecosystem entities 1/2 (current and future)

Accelerators: Create accelerators in the territory that can support companies in the pre-seed, seed and start-up phase, and enhance Business Angels or Venture Capital operations.

Business Angels and Venture Capitals: Stimulate the attraction of financial institutions dedicated to the analysis of opportunities in the Algarve;

Other Universities: Strengthen the links between knowledge agents in the territory (University of Algarve) and other agents and universities at national and international level;



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Index

1. *Algarve STP*
2. *Today ecosystem*
3. *Algarve Incubators networks*
4. *On going activities*
5. *Next activities*



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve regional incubator network 1/2

Informal meetings of incubators across the region, aimed at standardizing procedures and defining complementary and aggregate strategies.

4 informal meetings were held:

1. Kick-off meeting at Start Up Portimão, in Portimão

- 14 entities were summoned - 21 participants, including representation from CCDR, Rede Nacional das Incubadoras (RNI) and a private entity;
- Presentation and definition of the first collaborative action proposals;
- Creation of a regional shared calendar of incubator events

2. Loule Design Lab, Gama Lobo Palace, in Loulé;

- 15 entities were summoned - 19 participants, including representation from the Algarve Association of Municipalities (AMAL, Algarve Intermunicipal Community).
- Meeting focused on sharing good practices in supporting incubated companies.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve regional incubator network 2/2

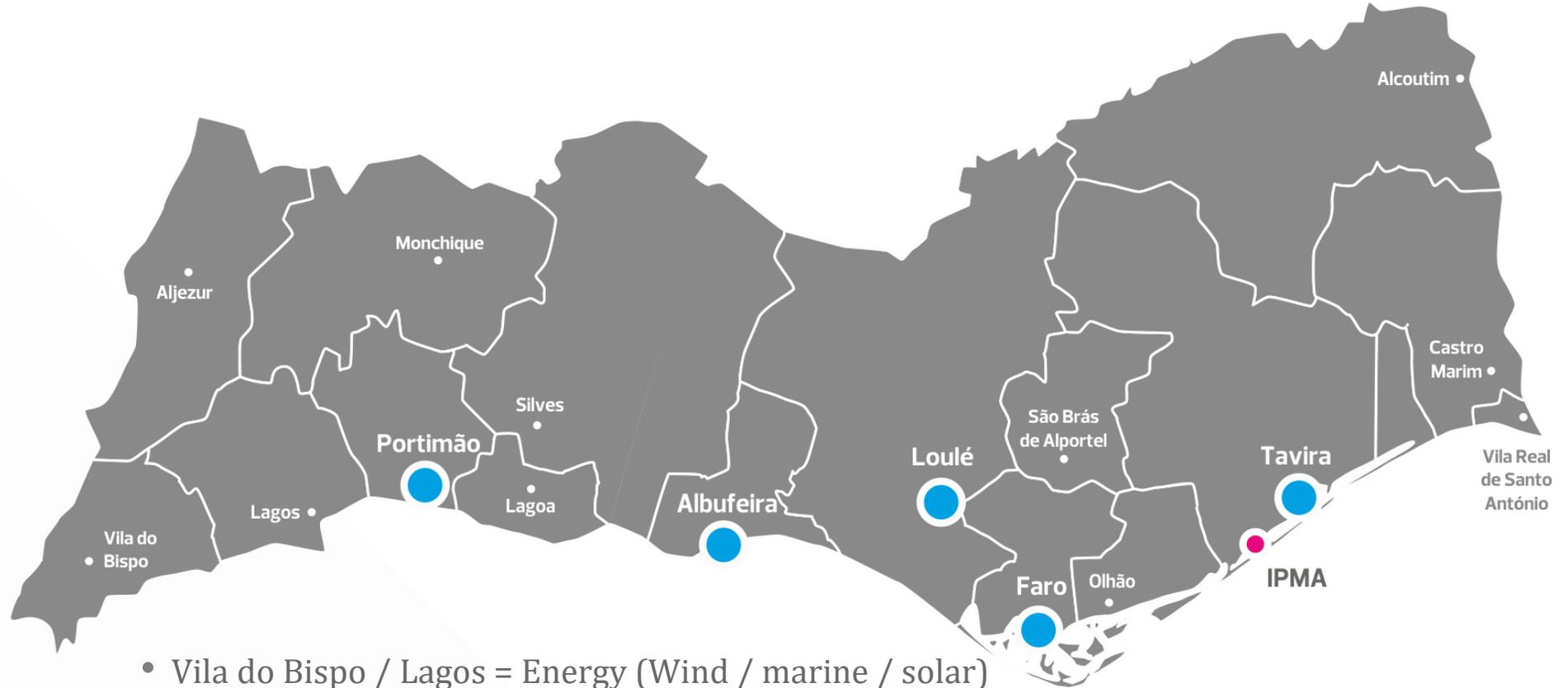
3. Online meeting dedicated to CORONAVIRUS,
 - 14 entities were summoned - 17 participants, including representation from CCDR, IAPMEI, Municipalities and a private entity;
 - Exchange of experiences on difficulties encountered, measures implemented.
 - Creation of an informal What App group, for a quick exchange of mutual assistance, a collaborative platform for sharing ideas

- 4 . Online Meeting dedicated to the Digital Innovation Hub (DIH),
 - 15 entities were summoned - 16 participants, including representation from the Association of Municipalities of Algarve (AMAL, Intermunicipal Community of Algarve), IAPMEI, CCDR.
 - Meeting focused on explaining the functions of a Digital Innovation Hub (Algarve STP).



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Sectoral expertise to focus efforts (proposed according to the characteristics of the territories)



- Vila do Bispo / Lagos = Energy (Wind / marine / solar)
- Portimão / Lagoa = automotive and sports sector
- Albufeira = tourism
- Loulé = medicine / design
- Faro = technology
- Olhão / Tavira = aquaculture / agriculture
- Castro Marim / Vila Real S. Antonio = sport / Aquaculture / saliculture



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Index

1. *Algarve STP*
2. *Today ecosystem*
3. *Algarve Incubators networks*
4. *On going activities*
5. *Next activities*



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Activities already carried out: Digital Innovation Hub = Algarve Smart Destination

European registration by Algarve STP, from the Digital Innovation Hub (DIH):
- set of entities aggregated in an informal network.

Digital Innovation Hubs are structures inserted in the territory, which bring together different entities to encourage the typing of the economy and offer different services in its territorial environment.

In Portugal there are 5 recognized DIHs fully operational:

- Porto (2)
- Lisbon (2)
- Madeira (1)

Algarve DIH was recognized in November 2019, with the participation of public science entities (UAlg) and private entities, including Altice lab and Fraunhofer Portugal. The name chosen was **Algarve Smart Destination**



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination, DIGITAL INNOVATION HUB

(recognized in November 2019)



SMART SPECIALISATION PLATFORM

European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs / Algarve Smart Destination, Digital Innovation Hub

Home S3 Platform Sections **Tools** News Events Knowledge Repository

Search



Digital Innovation Hubs

Algarve Smart Destination, Digital Innovation Hub

Click on the following link if you want to [propose a change of this HUB](#)

Contact Data

Coordinator (Other)

Algarve STP (System and Technology Partnership)

Year Established
2017

Location

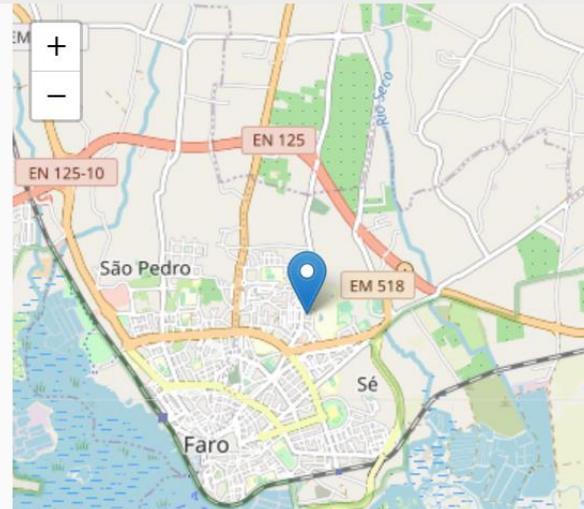
Universidade do Algarve, Campus de Gambelas, Pavilhão B1, 8005-139, Faro (Portugal)

Website

<http://www.algarvesmartdestination.com>

Contact information

Francesco Berrettini



Organization

Organizational form

Networked organization, without formal structure

Turnover

0-250.000

Number of employees

1-9

Evolutionary Stage

Fully operational



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination, DIGITAL INNOVATION HUB (recognized in November 2019, all typologies)

Search

Countries
1 selected ▼

Evolutionary Stages
All selected (3) ▼

Technical Competences
None selected ▼

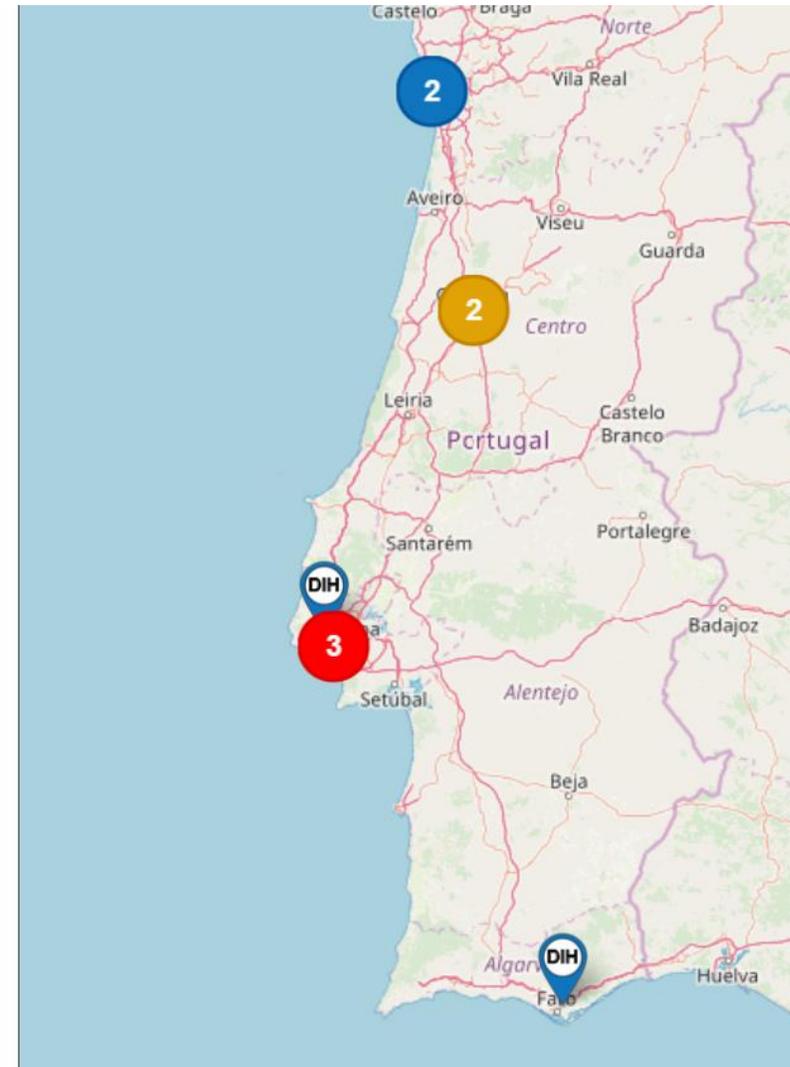
Services Provided
None selected ▼

Focus on TRL
None selected ▼

Market sectors
None selected ▼

DIHs in H2020 projects

SEARCH





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

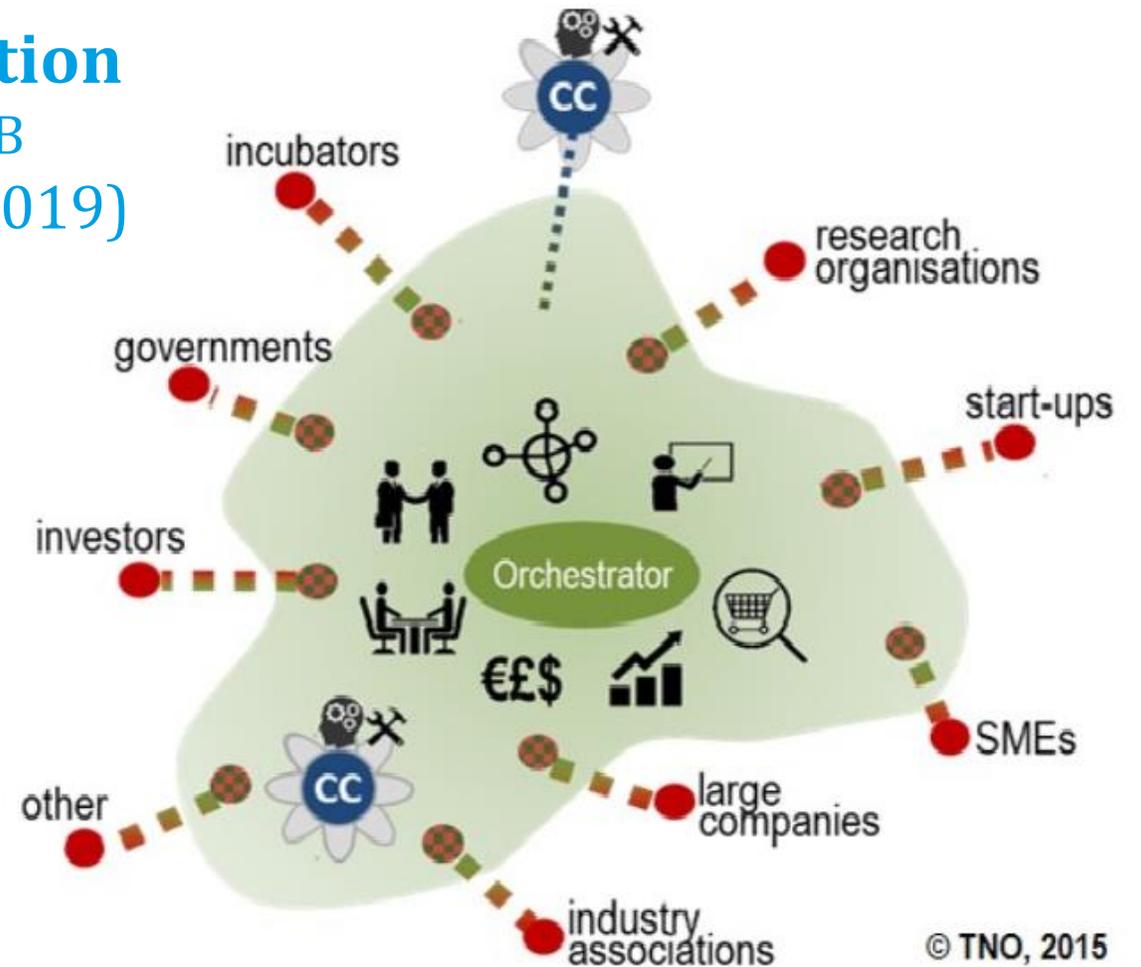
DIGITAL INNOVATION HUB

(recognized in November 2019)

A European Digital Innovation Hub (EDIH) is a single organisation or a coordinated group of organisations with complementary expertise, with a not-for-profit objective that support companies – especially SMEs and mid-caps – and/or the public sector in their digital transformation.

Parceiros:

- Fraunhofer
- Altice Lab
- Algarve Evolution
- Outras empresas do Algarve...



Digital Innovation Hubs recognized in Portugal: Porto (2), Lisbon (2), Madeira (1) and Algarve (1)



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB

(recognized in November 2019)



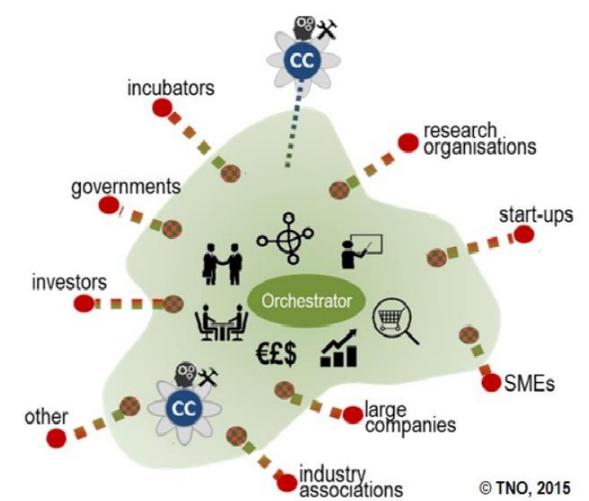
Who We Are





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Principles 1/4



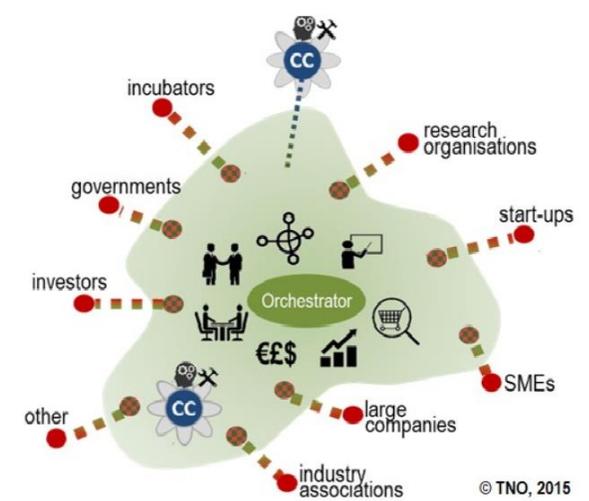
Test before invest:

The group of services enabling test before invest may include: **awareness raising, digital maturity assessment, demonstration activities**, visioning for digital transformation, **fostering the integration**, adaptation and customization of various technologies, testing and experimentation with digital technologies (software and hardware), knowledge and technology transfer. **Special focus** will be on the key technologies promoted in Digital Europe Programme: **HPC, AI, and Cybersecurity**.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Principles 2/4



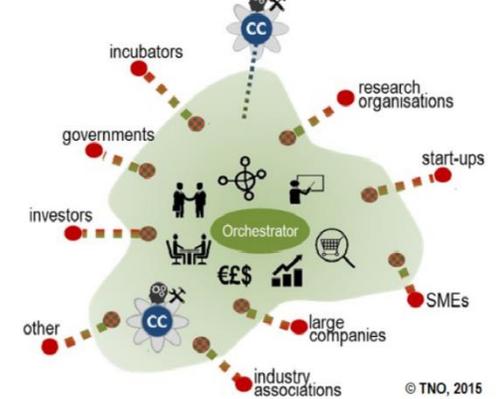
Skills and training:

They will also provide support in the area of **advanced digital skills** (e.g. by coordinating with education providers for the provision of **short-term training for workers and internships for students**)". To ensure the appropriate level of digital skills within the supported organisations in order to make the most of digital innovations technologies, EDIHs' services should include advertising, hosting or **providing of training, boot-camps, traineeships**, as well as supporting the implementation of the **short-term advanced digital skills training courses** and job placements developed as part of the Digital European Program, Advanced Digital Skills pillar.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Principles 3/4



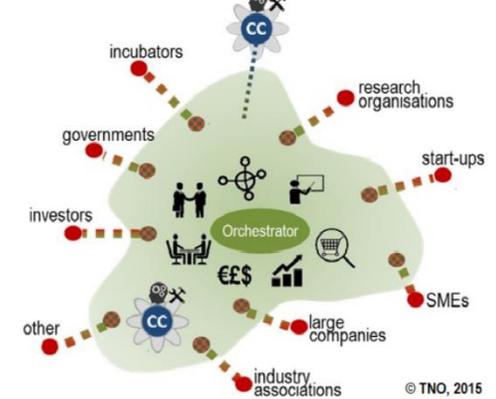
Support to find investments:

Support companies, especially **SMEs and start-ups**, organizations and **public administrations** to become more competitive and **improve** their business models through use of **new technologies**. For the **public sector in particular**, as one of the largest purchasers of ICT, this service could furthermore provide support to leverage the purchasing power of the public sector, **transforming it into a large innovation buyer**.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Principles 4/4



Innovation ecosystem and networking:

*DIH should act as **facilitator** to bring together industry, businesses and administrations which are in need of new technological solutions on one side, with companies, notably start-ups and SMEs that have market-ready solutions on the other side". EDIHs should play this **brokering role** and bring e.g. **end-users and potential suppliers of technological solutions into contact** with each other. The **non-profit objective of EDIHs** is important in this respect, and **they might promote local companies to improve the overall economic strength of their local economy**. The hubs can **network with other EDIHs** to find a matching partner **elsewhere in Europe**. Hubs can only **become good brokers** if they do regular technology **scouting**, in order to map **the innovation ecosystem**, and understand needs and opportunities. **Structured relationships with regional authorities**, industrial clusters, SME associations, business development agencies, incubators, accelerators, EEN, EIT Co-location Centres, and chambers of commerce will greatly help the **brokering function**.*

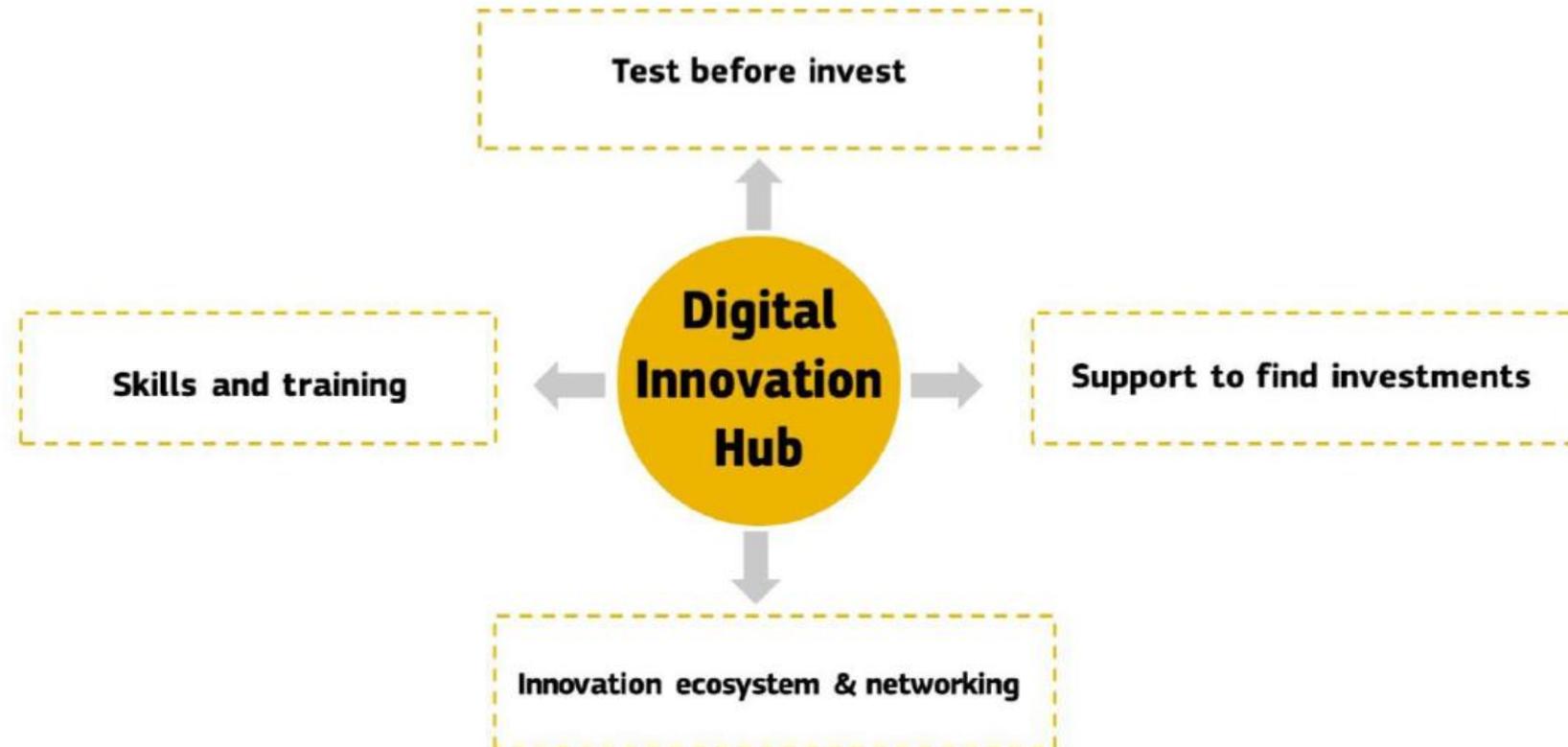


ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB

(recognized in November 2019)





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB

(recognized in November 2019)

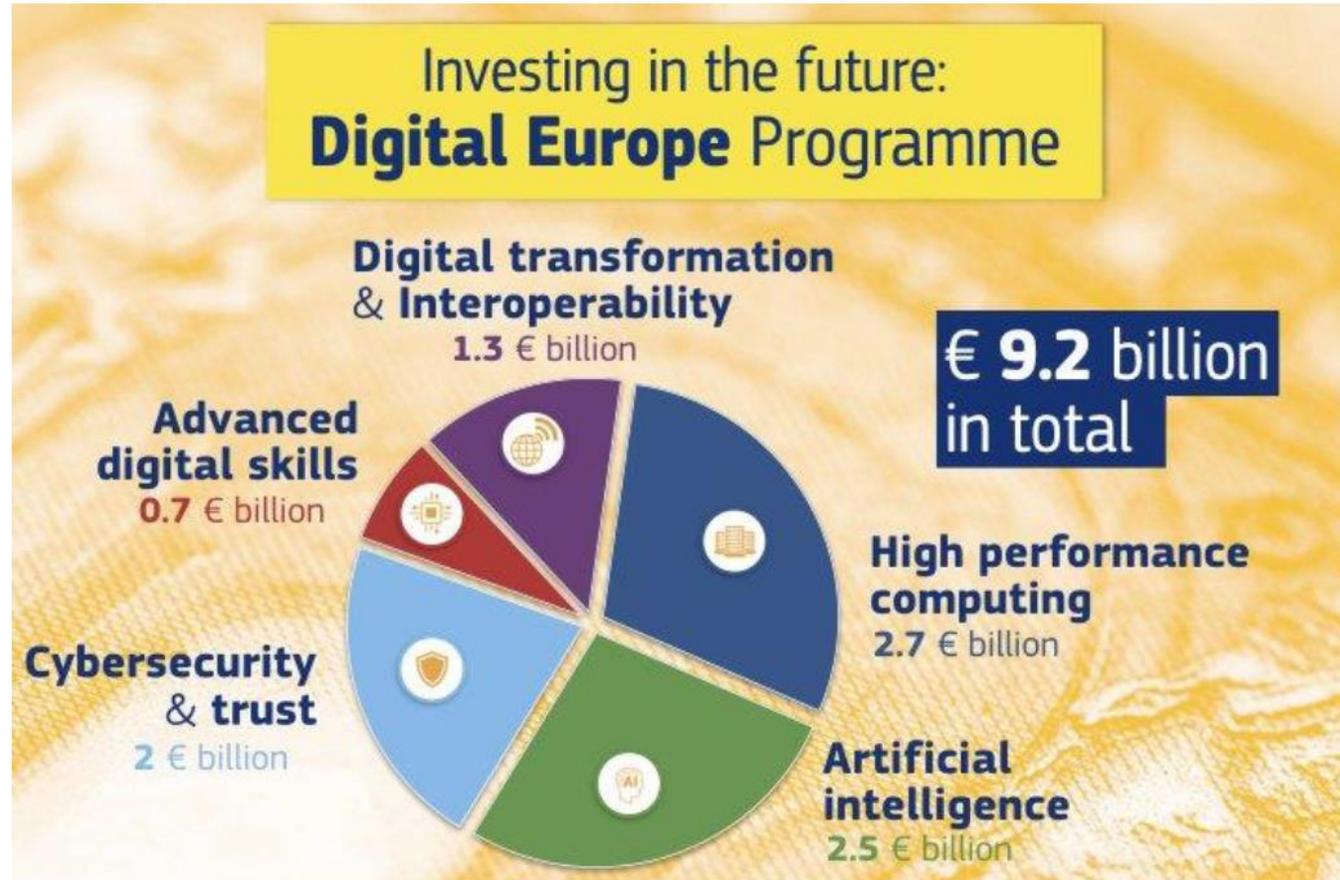




ALGARVE
SYSTEMS AND TECH
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB



#EUBudget
#DigitalEurope





ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB

(recognized in November 2019)

Bringing the benefits of digital technologies to all
our businesses across the European Union



EU support for one DIH
per region



Co-investment with
Member States



Focus on SMEs and
public services



Focus on HPC, AI,
Cybersecurity and
Digital Skills



A strong European
network of Digital
Innovation Hubs



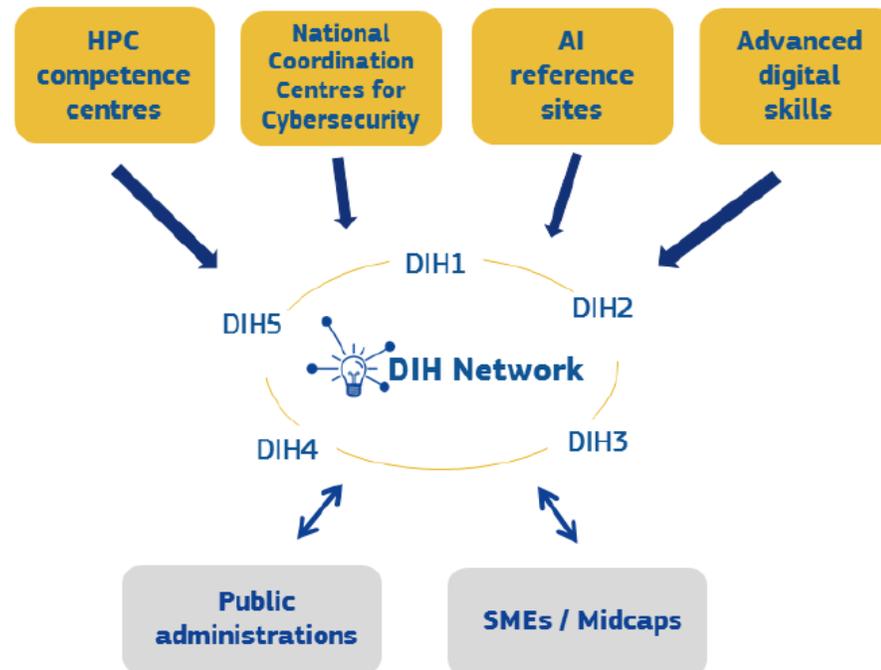
ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Algarve Smart Destination

DIGITAL INNOVATION HUB

(recognized in November 2019)

Digital Innovation Hubs diffuse digital capacities - high performance computing, artificial intelligence, cybersecurity, digital skills - across the economy enabling the digital transformation of industry and public sector





Allocated at
European level

Horizon Europe: Support to SMEs and mid-caps to experiment with highly innovative digital technologies in a cross-border setting. European Digital Innovation Hubs and others may apply for these grants, and cascade a large part of the funding to SMEs

Digital Europe: Support to the facilities and personnel of the European Digital Innovation Hubs, to build capacity in Europe to diffuse digital innovations across SMEs and administrations.

InvestEU: Incentives and risk reduction programmes to help companies find follow-up investment to further complete their digital transformation. The work of the digital innovation hubs will diminish the knowledge gap that exists.

Allocated at
national level

European Regional Development Fund: Investments allocated by the Member States to build-up or strengthen the Digital Innovation Hubs infrastructures in their territories and reduce the digital divide. ERDF can be used by Member States to co-invest on EDIHs in Digital Europe.

European Agriculture Fund for Rural Development: Investments allocated by Member States to foster knowledge transfer and innovation in agriculture, forestry and rural areas. EAFRD can be used by Member States to co-invest on EDIHs in Digital Europe.

Figure 4. The programmes complement each other



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Activities already carried out: workshops



“Algarve's Innovation Ecosystem” - Workshop # 1

Location: Municipality of Loulé (Nucleo Empresarial Region Algarve)

Invited entity: **INDICO**

Theme: **Venture Capital**. Transmitted to the audience the main ways of acting of the Portuguese risk capitals and case of investments made



Fraunhofer Center for Assistive
Information and Communication
Solutions – AICOS

“Algarve's Innovation Ecosystem” - Workshop # 2

Location: Municipality of Faro (University of Algarve)

Invited entity: **Fraunhofer AICOS Portugal**

Theme: Training session on **Artificial Intelligence** divided into 2 groups: managers and technicians



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Activities already carried out: preparation

Joint meetings (2) with IEFP, UALG (ISE and FCT), Algarve Evolution, and ASTP, to strengthen **the training capacity for the region**

Faro, Areal Gordo at the IEFP facilities, with the participation of all referenced entities;
Portimão, at the IEFP center, with the additional participation of the Regional Directorate of Education

Definition of a **training course created in collaboration with UALG** and private individuals (Algarve Evolution).

TeSP (UALG Higher Technical Professional Courses): links between University of Algarve, Companies and University of Aveiro (Polytechnic of Águeda) for the exchange of experiences, introduction of **Project Based Learning pedagogy** and courses more adapted to the reality of companies.



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Index

1. *Algarve STP*
2. *Today ecosystem*
3. *Algarve Incubators networks*
4. *On going activities*
5. *Next activities*



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Next activities

1. **Technical thematic presentations / workshops** (prototyping, project management, etc.)
2. Collaboration to **boost management of the UALG Technological Pole;**
3. **National event** on the Algarve Tech Hub;
4. **International event with digital nomads** (professionals who work in the field of information technology and change locations frequently)
5. **Mapping of companies** in the technological sector of the Algarve
6. Catalyst **platform for talent and former talents living in the Algarve** or planning to move to
7. **ATH roadshow in national ecosystems.** Roadshow of the main agents of the Algarve Tech HUB ecosystem with the main economic agents and national stakeholders (Technology Parks)
8. And more.....



ALGARVE STP
SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

What we expect ?

1. **Collaboration** with other cluster to Exchange information and project;
2. **Attract talent** to live here;
3. A glance from European **Business Angels**
4. **Medium companies to grow up with our local companies**
(not mainly nearshore or offshoring technology installation)
5. **More project** together with other **International Universities**

What we prove

1. **Quality of life, in Coronavirus crises**, spare Algarve
(comparing other more dense populate areas);
2. Some excellence in local University: **Marine Biology** and **Medicine course** (Ph.D. prize by Fraunhofer Institute 2019 for Medicine student)
3. Political commitment by Algarve University to invest in Tech Hub Structure (Pole) (finish in 2020/2021)



ALGARVE STP

SYSTEMS AND TECHNOLOGY
PARTNERSHIPS

Francesco Berrettini

ceo@algarvestp.pt

Mobile: +351 917 211 915