



Peers2blockchain

DESIGN OPTIONS PAPER

Innovation Support Programs for SMEs

12/09/2020



Horizon 2020
European Union Funding
for Research & Innovation

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I- INTRODUCTION

Framed in the European Union programme H2020 (Horizon 2020), Peers to Blockchain (P2B) shares the objective of business innovation support within its framework project, and it focuses its mission in the promotion of Blockchain technology for the implementation in small and medium size enterprises.

Blockchain technology is destined to significantly transform business transactional models and management operations. The P2B consortium investigated the strategic impacts that this disruptive technology represents for SMEs and targeted its efforts in capturing best practices and in boosting the exchange of knowledge.

The initial objective of the project was to characterize the Blockchain ecosystem in each region of the participating entities (Algarve, Andalusia, and Luxembourg). Secondly, the benefits of Blockchain for SMEs and real cases serving as a reference were captured and analysed. According to these initial phases, findings and solutions have been shared, and an online platform of good practices on Blockchain has been developed and published, with the application of innovative methodology oriented to SMEs.

The project identity is summarized below:

Project: 851033 PEERS TO BLOCKCHAIN

Program: H2020-INNOSUP-2018-2019-5

Duration: 12 months

Budget: 50 000€, 100% EU funded

Partnership:

Table 1. PEERS TO BLOCKCHAIN Partnership			
Partner number	Partner name	Partner acronym	Member state
PP1 (lead partner)	PARQUE TECNOLOGICO DE ANDALUCIA SA	PTA	Spain
PP2	TECHNOPORT SA	TECHNOPORT	Luxembourg
PP3	UNIVERSIDADE DO ALGARVE	UALG	Portugal

The Peers to Blockchain project plan was organized into four actions:

ACTION 1 – Analysis of the state of art in each regional ecosystem from the partners, and the collaborative partners as well. Two main topics will be peer to peer reviewed: on the one side, the definition of blockchain, main targets, uses and benefits for SMEs; and, on the other side, to get to know the actual Blockchain pilot projects and good practices (use cases) implemented. (under the leadership of the PTA).

ACTION 2 - Sharing of the results obtained and identification of the most efficient solutions for the design of the guide of a Blockchain Good Practice Handbook and the establishment of an innovative methodology. (under the leadership of the Technoport)

ACTION 3 – Design of a strategy to promote the creation of synergies, and collaboration between the actors involved in the project. (under the leadership of the University of Algarve)

Transversal Action 4 Dissemination and exploitation and Action 5 project management were implemented in parallel with the technical actions.

II- BLOCKCHAIN: Opportunities for Innovation Agencies, Science and Technology Parks and SMES

Blockchain is a transparent, secure, distributed ledger technology (DLT) that facilitates a community of users, or peers, to execute and store operations in a shared ledger. In this community of users there is no need for a central control body or trusted third party, and individuals and organizations with limited knowledge of each other can perform transactions directly. Moreover, all operations recorded in the shared ledger are tamper evident and tamper resistant, with a guarantee of replication and synchronization between peers.



WHY SUCH AN INTEREST IN BLOCKCHAIN:

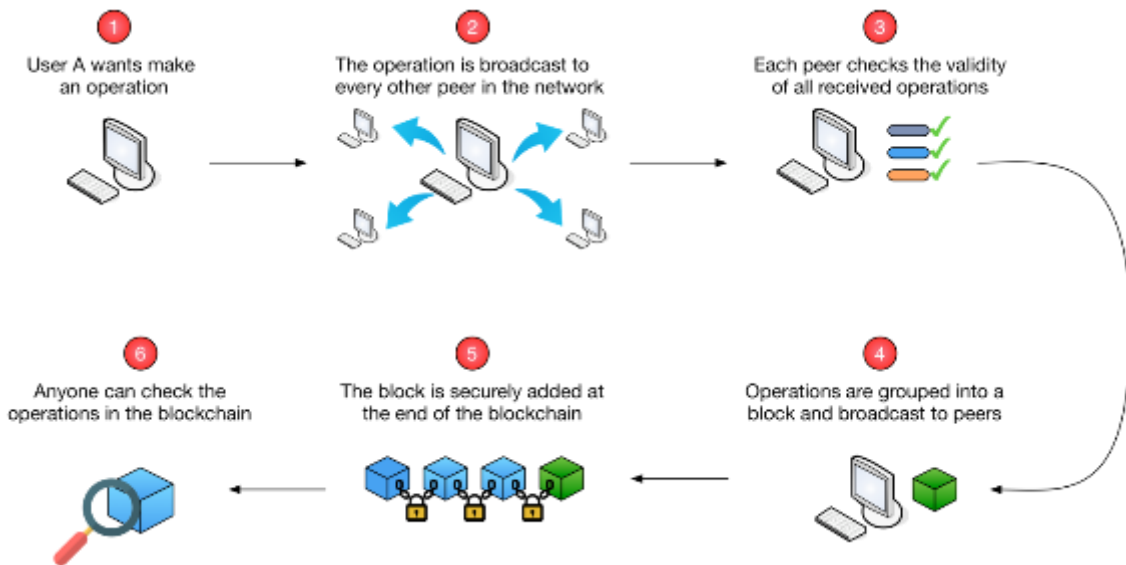
DLT is an optimal mean to ensure automated trust at a relatively contained cost. There is no need of third entity to ensure trust among trading parties. The DLT solves the Byzantine Generals' Problem (henceforth mentioned as BGP). BGP is an allegory describing a classic problem faced by any distributed computer system network. BGP describe a situation in which, in order to avoid failure/corrupted information across a network, the network actors must agree on a concerted strategy to validate the network's trustworthiness.

The network seeks consensus. Meaning that all actors of a network agree on every message transferred message across the network to avoid transmitting corrupted information. DLT is the technology ensuring through algorithms that consensus is reach across a network.

Ref: <https://medium.com/all-things-ledger/the-byzantine-generals-problem-168553f31480>

HOW DOES IT WORKS

The technical base of Blockchain is a peer-to-peer (P2P) network with consensus and cryptographic algorithms, which enables the creation of a secure, immutable and transparent decentralized database comprised by cryptographically linked blocks. Depending on the Blockchain being used, these blocks can contain different sorts of operations, ranging from monetary transactions (e.g., Bitcoin) to the state of program executions (e.g., Ethereum).



TYPES OF BLOCKCHAINS

Depending on who has access to the Blockchain, what kind of access is granted, who and how the integrity is maintained; we can have different types of Blockchain.

- **Public:** Everyone has access to the blockchain, being able to read and create operations on it. As members are unknown to each other, it is necessary to incentivize parties to work together to keep the consistency of the Blockchain. This usually requires the integration of slow consensus mechanisms, such as Proof of Work (PoW).
- **Private/Consortium:** They are run by a single entity or a group of known members who already trust each other. Because of this, it is straightforward to implement faster consensus mechanisms such as Proof of Authority (PoA) or Proof of Stake (PoS).
- **Permissioned:** Access to the blockchain can be restricted in different ways. In some scenarios access to certain operations can be restricted to a particular set of entities. Parties can have different roles: providing integrity, creating new operations, inspecting operations, etc. They can use the same consensus mechanisms as Private Blockchains.

MAIN FIELDS OF APPLICATION

The decentralized nature of the Blockchain, coupled with its security and transparency properties, promises many applications in several fields described next. It should be mentioned that the benefits of using such technology are impressive and highly perceptible when a group of entities and companies work jointly and cooperate in the development and implementation of a project.



PRINCIPAL BENEFITS FOR BUSINESS

- ✓ Supply Chain Management
- ✓ Quality control/ product safety
- ✓ Guarantee of accounting information
- ✓ Generating smart contracts
- ✓ Efficiency benefits in the equity market
- ✓ Tracking energy supplies
- ✓ Peer-to-peer global transactions
- ✓ Traceability and transparency
- ✓ Fighting fraud
- ✓ Direct exchange between users without intermediaries
- ✓ Inalterability and inviolability of information

III- Actions performed during the P2B project

During the 15 months of the project, all the actions foreseen were designed and implemented. You will find next a short resume of each one:

ACTION 1 – Analysis of the state of art in each regional ecosystem from the partners, and the collaborative partners as well. Two main topics will be peer to peer reviewed: on the one side, the definition of blockchain, main targets, uses and benefits for SMEs; and, on the other side, to get to know the actual Blockchain pilot projects and good practices implemented.

Partner coordinator: Technology Park of Andalucía - PTA

Duration: 4 months

Steps to implement:

Step 1. Creation of a questionnaire to interview experts in Blockchain in each participating region. The target audience has been:

- Companies (16 good practices)
- Universities and research groups (3 good practices)
- Associations (3 good practices)

Step 2. Realization of interviews within each regional ecosystem, from the partners, and the collaborative partners as well

Step 3. Round table to analyse the data received and classify the information

Step 4. Peer review and conclusions by the partners

Step 5. Design of a P2P Blockchain Evolution digital leaflet to explain concretely what is Blockchain, the activities and use that can be performed, and the benefits for SMEs

Step 6. Promotion of the leaflet, and realization of a workshop for SMEs in each participating region

ACTION 2 – Once performed this analysis of the good practices and use cases detected, the project included the realization of the ACTION 2 - Sharing of the results obtained and identification of the most efficient solutions for the design of a Blockchain Good Practice Handbook and the establishment of an innovative methodology.

Partner coordinator: Technoport

Duration: 4 months

Steps to implement:

Step 1. Initially, the project foreseen the design of a Blockchain Good Practice Handbook classified by type of initiative. For the dissemination and the capitalization of the results obtained during the Action 1, the partnership decided to go beyond that and to create and make available an online platform, using their own resources, where each good practice can be seen, with possibility to contact directly the persons in charge of the initiatives.

Link: <https://peers2blockchain.eu/>



Step 2. An effective Campaign of Promotion and Awareness was designed and implemented within each participating region, including regional Peer to Peer Workshops. To make the most of the resources available, each partner identified existing regional, national and international events foreseen within the thematic of the P2P Blockchain Evolution, to present the project there, and include a peer to peer activity within the foreseen events. Each partner worked on the following measures:

Technoport:

- Use of start-ups channels to promote the P2B project and present the use cases and the entities who designed it
- Articles/mailings to present the good practices and the entities who designed it
- Individual meetings

University of Algarve:

- Creation of a Blockchain sub working group within the Association Algarve Evolution
- Creation of a Blockchain working group within the University of Algarve
- Individual meetings
- Organization of Networking events LUNCH&LEARN organized by CRIA/UALg for the incubated SMEs

Technology Park of Andaluçia:

- Individual meetings
- Updates of the P2B project in the next meetings of the Blockchain Working Group of the Technology Park of Andaluçía and the University of Malaga.
- Presentation of the P2B project and results in other European Project meetings the PTA participated
- Updates of the P2B project in the next meeting of the Joint International Strategy Group, coordinated by PTA which counts with the participation of several public entities such as University of Malaga, Chamber of Commerce of Málaga, local, regional and national government, business associations, etc...
- Presentation of the Blockchain Good Practice Platform in APTE (network and APTE FORMA?)
- Presentation of the Blockchain Good Practice Platform in the International Association of Science Parks and Areas of Innovation - IASP
- Presentation in Transfiere 2020 (Málaga, February)

Step 3. With the creation of an online platform, the partners from Luxembourg, Portugal and Spain promoted the use cases and good practices detected in the first action of the project. In this way, an effective tool for SMES has been made available to promote these Blockchain initiatives, to inform about the advantages, benefits and added value this technology can provide to the companies, and furthermore to ease the connection between the different actors.

ACTION 3 – Design of a strategy to promote the creation of synergies, and collaboration between the actors involved in the project.

For the capitalization of the results obtained, the partnership, under the coordination of the University of Algarve established a specific strategy in term of implementation the methodology at local, regional, national and international levels. Different forms of collaboration were defined to create institutional, technological and commercial synergies between SMEs, partners, strategic actors and blockchain enablers.

Partner coordinator: University of Algarve

Duration: 4 months

Steps to implement:



Once identified the good practices in the previous work packages, the aim of this action has been to promote the synergies between strategic actors (SMEs and companies, Higher Education Institutions, Science and Technology Parks, Public Institutions).

IV- Communication Activities

IV.I. P2B Plan for Information and Communication Measures

At the very beginning of the P2B project, a Communication Plan was designed and delivered to promote the project and its findings during the period of the grant, with clear objectives defined in the delivered document. In this sense, the University of Algarve, through its Division of Entrepreneurship and Technology Transfer – CRIA was the coordinator of this activity, with the active participation of all the partnership. Due to the to the scale of the project, each partner has been using its own website, social media channels, to promote the project and the activities undertaken as the main tool. The Technology Park of Andalucía used the blockchain technology subnetwork as well and its forum to disseminate the project internationally, as well as several international networks. The promotion and dissemination of the project and its main outcomes has been a common activity supported by all partners of the project. This Communication Plan included:

- ✓ Definition of target, message and objectives
- ✓ Design of Logo, visual identity and Project Templates
- ✓ Selection and use of the best suited media to reach the identified target
- ✓ Spread tailored messages for target groups
- ✓ Promotional materials (leaflets, etc...)
- ✓ Use of Partners website
- ✓ Final event

The document is available in *Annex I*.

IV.II. Plan for Capitalization of results

For the sustainability of the project Peers2blockchain and a major impact beyond the limits initially foreseen, a Plan for Capitalization of results was designed during the first months of the project to warrant the results obtained. The capitalisation strategy focussed mainly on the project itself, synergies with other projects and possible mainstreaming actions, through organisation of meetings and/or participation in institutional networks of the partners.

The main objectives were:

- ✓ Optimizing the value and the impact of the P2B Project
- ✓ Wide-spreading dissemination
- ✓ Optimal use of resources
- ✓ Transferring results to upgrade innovation systems and practices
- ✓ Sustainable use of results

Therefore, the main purpose of this capitalization strategy was to inform, transfer and promote the project Peers2blockchain, improving and maintaining a long-term impact of the results achieved, to ensure greater assimilation of the results of the project, improving its territorial effect.

During the activities of the project P2B, two methodologies designed in the previous European project ***In-Business Growth***, the TRANSNATIONAL TRANSFER and the JOINT WORKING methodologies, were implemented to ensure the adequate exploitation and sustainability of Peers2blockchain beyond project's execution. For more information on the two methodologies conceived, you can have a look to the *Annex II* enclosed.

3- Creation of templates

Templates in Word and PowerPoint have been designed for its use by all the partners, to be more efficient.

WORD



POWERPOINT





4- Design of the flyer of the project

For the promotion and communication activities of the P2B project, a specific flyer has been designed, in collaboration with all the partners, who participated in the preparation of the contents.




IV.IV. Promotion in national and international networks

As defined in the project proposal, the project has been promoted through several national and international networks such as:

- Community Research and Development Information Service (CORDIS)
- European Cluster Collaboration Platform
- Association of Science and Technology Parks of Spain
- Blockchain Observatory
- International Association of Science Parks and Areas of Innovation
- Newsletter from the Delegation of the Junta de Andalucía in Brussels
- Trade fairs & Congress Centre of Malaga (City Council)
- Spanish Blockchain Association Alastria

Community Research and Development Information Service (CORDIS)

<https://cordis.europa.eu/project/rcn/223002/factsheet/en>



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HORIZON 2020

PEERS TO BLOCKCHAIN

Fact Sheet

Results

Objective

P2B is based on an initiative from the Andalus Region and the International Association of Spanish Parks and Areas, which have recently created a Blockchain Subnetwork of initiatives active in the field. The main objective of the project is linked to provide SMEs with opportunities for international collaboration and obtain professional expertise at European and international level.

Blockchain is a peer-to-peer system, which is a network of interconnected computers that communicate with each other, which confirms the relevance for presenting the proposal to the commercial.

According to Marie Gabriel, Commissioner for Digital Economy and Society from the European Commission: "In the future, all public services will use Blockchain technology. Blockchain brings great opportunity for Europe and Member States to rethink an efficient way to manage and track and the protection of personal data to help create new business opportunities and to establish new areas of leadership, benefiting citizens, public services and companies".

With partners from Luxembourg, Portugal, Spain, and with associate partners initially from Bulgaria, China, Finland, France, Hungary, Italy, Palestine and Russia, the goal of objective of the P2B project will be to analyse the current state of art of this new technology, including pilot projects and good practices in the participating regions, to propose a series of methodologies and strategies to enhance the SME innovation with the support and implementation of Blockchain and to promote the development of an effective ecosystem of innovation support to SMEs in Europe related to Blockchain technology. In addition, we will play a special role in facilitating the good practices and it's needs, especially within the regional ecosystem of each partner.

Project information

P2B

Grant agreement ID: 851033

2018
Granting project

Start date: 10 April 2018 End date: 14 April 2019

Project code: 10200-01.2.3.2.2

Overall rank: 4 (1113)

EU contribution: 1.4 M€

Coordinator for: **PARQUE TECNOLÓGICO DE ANDALUCÍA SA** (ES)

Spain


Programme(s)
10200-01.2.3.2.2 - Connecting the innovative capacity of SMEs

Topic(s)
Innovation and innovation - Reinforcing of innovation agencies


Call for proposal
W7-2018-01 - 2018-01-05

See other projects for this call

Funding Scheme
COA-LS - COA-LS-01-18



Coordinator



PARQUE TECNOLÓGICO DE ANDALUCÍA SA

Address

Calle María Teresa 33

41013 Sevilla

Spain

Activity type

Private for public entities (including Public Administration and research)


EU Contribution

€ 1.400.000

[Contact the organisation](#)

Participants (2)

Sort alphabetically ▾ Expand all




TECH4SPORT SA

Portugal

EU Contribution

€ 0.000







UNIVERSIDADE DO ALGARVE

Portugal

EU Contribution


€ 0.000

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European Cluster Collaboration Platform

<https://www.clustercollaboration.eu/eu-project-profile/peers-blockchain>



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PEERS TO BLOCKCHAIN

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General Information

Programme:	Other (please specify)
Project duration:	Monday, 15 April, 2019 to Tuesday, 14 April, 2020
Total budget:	€50,000
EU Contribution:	€50,000

Partnership Composition:

Organisation name	Function	Country	Website link	ECCP link	
University of Algarve	Partner	Portugal	https://www.uaig.pt/en		In Cluster Organisation PEERS TO BLOCKCHAIN - NEWS <small>The european project Peers to Blockchain starts its journey in th... N 20/05/2019 - 14:36</small>
Technoport	Partner	Luxembourg	http://www.technoport.lu/online/www/function/homepage/CMS/index.html		PEERS TO BLOCKCHAIN - EVENTS <small>There is no uploaded content...</small>
Technology Park of Andaluca	Coordinator	Spain	http://www.pta.es/en/index.cfm	Technology Park of Andaluca	PEERS TO BLOCKCHAIN - DOCUMENTS <small>There is no uploaded content...</small>

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Coordinator Phone:
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About the Project

The European project PEERS TO BLOCKCHAIN – P2B, led by the Technology Park of Andaluca, has recently been approved by the European Commission, within the framework of call H2020-5 (H2020 program).

P2B is based on an initiative from the Technology Park of Andaluca and the International Association of Science Parks and Innovation Area, who have recently created a Blockchain Subnetwork of members active in this field. The main objective of the project is indeed to provide SMEs with opportunities for international collaboration and to share professional expertise at European and international level using Blockchain technologies.


With partners from Luxembourg, Portugal, Spain, and with associate partners initially from Bulgaria, China, Estonia, Finland, France, Hungary, Italy, Palestine and Russia, the specific objectives of the P2B project will be to analyse the current state of art of this new technology, including pilot projects and good practices in the participating regions, to propose a series of methodologies and strategies to enhance the SME innovation with the support and implementation of Blockchain and to promote the development of an effective ecosystem of innovation support to SMEs in Europe related to blockchain technologies. In addition, we will play a great emphasis on transferring the good practices and the results obtained within the regional ecosystem of each partner.

The main objective of the project is indeed to improve the innovation of SMEs with the support and **implementation** of Blockchain technology and to promote in Europe the development of an effective ecosystem to support innovation for SMEs with this technology.

Achievements

The Kick off meeting of the project will take place on Wednesday 15th of May in the headquarters of the Technology park of Andaluca, Malaga.

Tweets by @Cluster_EU



ECCP
@Cluster_EU

To the attention of **Andalus**: **Abroad 4/2019 available for projects in the new Energy Efficiency Week Programme for 2020. Applications open until 15 January 2020 - European Cluster Collaboration Platform**

[clustercollaboration.eu/news-4/...](#)

[Embed](#) [View on Twitter](#)

UPCOMING EVENTS | VIEW ALL

Belgium
Smart Regions 3.0 Conference Transformation...

Thursday, 14 November 2019

Republic of Korea (South Korea)
Tap into opportunities within Korea's organic...

Monday, 18 November 2019

Austria
CSIB2019 - The European Summit of Industrial...

Monday, 18 November 2019

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Association of Science and Technology Parks of Spain

<https://www.apte.org/en/european-project-peers-to-blockchain-starts-journey-pta>



The european project Peers to Blockchain starts its journey in the PTA

22/03/2019

Technology Park of Andalucía



The Technology Park of Andalucía coordnates this project, focused on implementing Blockchain technology in the European SMEs

Within a international cooperation strategy, the PTA is actively working in several European projects oriented to boost innovation and entrepreneurship. One of the last initiatives added to the important international agenda by the PTA has been the project Peers to Blockchain, which has today started to operate in Málaga.

Framed in the European Union programme Horizon 2020 (Horizon 2020), Peers to Blockchain (P2B) shares the objective of business innovation support within its framework project, but it focuses its attention in the promotion of Blockchain technology to the implementation in small and medium-sized enterprises. The Technology Park of Andalucía will coordinate the project, leading each execution and control phase. This leading role comes from the fact that the PTA has sponsored the programme launch, which has taken place today at the headquarters of the PTA.



What Peers to Blockchain consists of?

Peers to Blockchain (P2B) starts up today in the PTA, and it switches its work plan on by establishing a range of objectives. Firstly, the project should serve for defining a Blockchain ecosystem for each region of the participant entities. Secondly, the benefits of Blockchain for SMEs and real cases serving as a reference should be identified.

According to this analysis, results and solutions will be shared, and a handbook of good practices on Blockchain will be developed, with the application of innovative methodology oriented to SMEs.

Blockchain technology is destined to transform good part of the transactional and management operations that operate in the world. The PTA has realized the strategic importance that this disruptive technology has.

Blockchain technology is destined to transform good part of the transactional and management operations that operate in the world. The PTA has realized the strategic importance that this disruptive technology has, and it has focused its interest in boosting the exchange of knowledge and promote its development from the Technopole. This is a benefit that, instead, contributes to the position of Málaga and Andalucía as strategic Blockchain hubs. In fact, the launching of Peers to Blockchain opens the curtain to other relevant events in the capital in this area: the APTE International Blockchain Conference that the PTA is organizing for next Thursday at the Rector's Office of the University of Málaga.

Peers to Blockchain participants

The role of the Technology Park of Andalucía in this project is to coordinate the different actions planned. The Peers to Blockchain consortium is composed of the proper PTA, the University of Almería (UAlmería) and Technopolis (I+D+i). In three, about twenty international entities attached to the programme must be added.



Spanish version next: <https://www.apte.org/nuevo-proyecto-europeo-aprobado-parque-tecnologico-andalucia>

Blockchain Observatory

The Blockchain Observatory is the Spanish platform that promotes the creation of collaborative networks for the development of this technology and its application in our society.

<https://observatorioblockchain.com/malaga-capital-mundial-blockchain-el-jueves-gracias-a-la-union-de-varias-instituciones-andaluzas/>



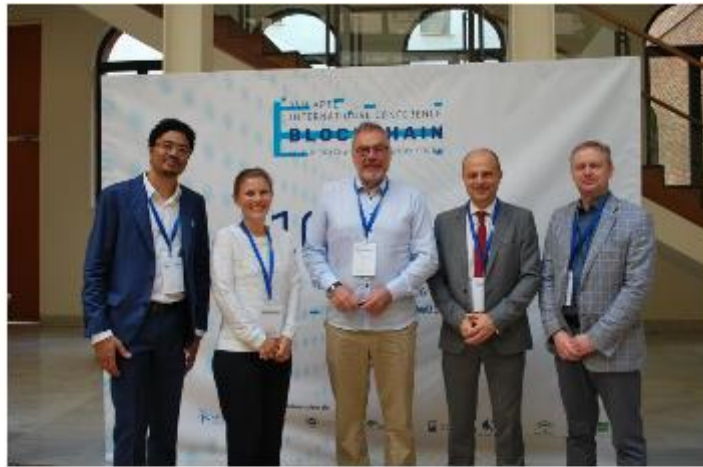
The screenshot shows the website interface for the article. At the top, there is a navigation menu with links for 'Inicio', 'Sobre nosotros', 'Accesible', 'Contacto', 'Observatorio blockchain', 'Actuaciones', 'Empresas', 'Eventos', and 'Reservas'. The main headline reads 'Málaga, capital mundial blockchain el jueves, gracias a la unión de varias instituciones andaluzas'. Below the headline is a large image of a modern building at night. To the right, there is a 'EVENTOS' section with three event cards. The article text below the image discusses the event, mentioning the participation of various institutions and the role of the Blockchain Observatory. At the bottom, there are social media sharing buttons for Twitter, LinkedIn, Facebook, and a print icon.

International Association of Science Parks and Areas of Innovation

<https://www.iasp.ws/activities/news/blockchain-in-science-parks>

Blockchain in science parks

21 May 2019



Blockchain technologies are increasingly used in a range of industries, from shipping to finance to mobile applications, and science parks are home to many of the companies in the vanguard of this new technology.

The recent APIL International Conference in Málaga, Spain, focused on this theme, exploring the impact of blockchain technologies on science parks in different sectors and its implementation on a European level. The event gathered over 200 delegates representing science parks, universities, EU institutions and both startups and multinationals. With the Mayor of Málaga, Francisco de la Torre, officially opening the conference at the University of Málaga, joined by the Director of the Technology Park of Andalucía, Felipe Romero, IASP Director General, Luis Sans and Manuel Gutiérrez, State head of the regional Ministry of Innovation, Enterprise and Entrepreneurship, the city is consolidating its position as a hub of blockchain expertise.

The event also provided an opportunity for members of IASP's blockchain subnetwork to hold their first meeting. Coordinated by Susu Pulido of the Andalucía Technology Park (PTA), the group brings together science parks from 19 different countries who are active in the field of blockchain.

IASP COO Susu Lund presented data from a recent survey of blockchain use in science parks from 24 different countries, indicating that 79% of the surveyed STPs already have resident companies who use blockchain technologies that offer new business models and revenue sources. The companies get support from the science parks where they are located, as more and more STPs provide services related to blockchain and other new technologies. The survey reflected a need to increase the knowledge base about blockchain and STPs (as an instrument for facilitating learning events) for their companies.

Cryptocurrencies may be the best-known application for blockchain, but they are by no means the only one, and members of the IASP Blockchain subnetwork shared some of examples of their work in other fields. Olivier Zepher of Technoport Luxembourg described a blockchain-based digital assets catalogue that can support creative industries such as music & photography, creating trust and helping creators reach clients and investors. In Bulgaria, Sofia Tech Park is working with both multinationals and startups on blockchain applications and innovative products, explained CEO Iveta Mladenova, making the country the Italian hub for blockchain, while in Estonia, [iLabio Science Park](#), [Ictropolis](#)-linked company [iLabio](#) is part of a European project developing diverse services related to e-government, e-learning and social media. Finally in Spain, the [Galicia Technology Park, Ictropolis](#) is developing their own cryptocurrency, with their virtual coin now know-how for resident companies to pay for services inside the park.

Resident companies from STPs across Spain also gave an insight into the current use of blockchain in a session moderated by APTE general manager, Soledad Díaz, with applications including the shipping industry, telecoms, and logistics all benefiting from its guarantee of security & trust in business.

Some members of the IASP Blockchain subcommittee also attended the kickoff meeting of the EU project "Peers to blockchain" on the day prior to the event, where three SMEs (the ITA - Institut pour l'Innovation et l'Algorithme Science and Technology Park) will be working closely together supporting blockchain SMEs who use these technologies.

[Click to find out more about ACTE](#) and the [IASP Blockchain subcommittee](#)



[@Peers2Blockchain](#)

IASP members around the world



<p>IASP World Headquarters</p> <p>Tel: +34 92 302 33 23</p> <p>Contact us</p> <p>General information</p>	<p>Useful links</p> <p>Terms and conditions</p> <p>Privacy Policy</p> <p>Media & Press</p> <p>Join IASP</p>
	

International Association of Science Parks and Areas of Innovation

<https://www.iasp.ws/activities/news/Peers-to-Blockchain-project-concludes?q=P2B>

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Peers to Blockchain project concludes

11 July 2020



The European project Peers to Blockchain (P2B), coordinated by the Technology Park of Avdla, is now concluded by operations after a year of work to provide opportunities for cross-national collaboration and to raise professional Blockchain expertise in European and international level.

P2B is an EU initiative in collaboration with the University of Algiers (Algeria) and Technopark SA (Germany) to provide SMEs with professional expertise in the field. The project grew from ATP's Blockchain Satsenwerk, also coordinated by the Technology Park of Avdla, which brings together MSP members who are active in the blockchain sector.

Blockchain technology is a relatively new concept that could disrupt ordinary business practices. By providing companies the ability to access new alternative financing options, to offer secure data storage solutions, making processes more transparent, less risky and cheaper, it can streamline operations and reduce costs, while opening up new opportunities and markets.

Peers to Blockchain focused its activities on enhancing the innovation of SMEs by helping them to use blockchain, and to promoting the development of an effective European ecosystem of innovation support for SMEs with this technology.

With partners from Luxembourg, Portugal and Spain, and associate partners including universities, technology parks, development agencies, chambers of commerce from Bulgaria, China, Estonia, Finland, France, Hungary, Italy, Palestine and Russia, the project studied pilot projects and good practices across their geographical cooperation.

Peers to Blockchain studied the definition of blockchain, its main objectives, uses and benefits for SMEs and suggested blockchain pilot projects. The project also proposed new methodologies to enhance SME innovation, starting from how from other countries to significantly promote Blockchain technology at the local level. All of these findings and the most efficient solutions were shared in a blockchain best practice manual which is available at www.peers2blockchain.eu.

While Peers to Blockchain will officially conclude at the end of July 2020, the results will be contribute to future initiatives that the partners are preparing.



[tag: Blockchain](#)

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IASP World Headquarters

14 - 15 Avenue de la
Innovation
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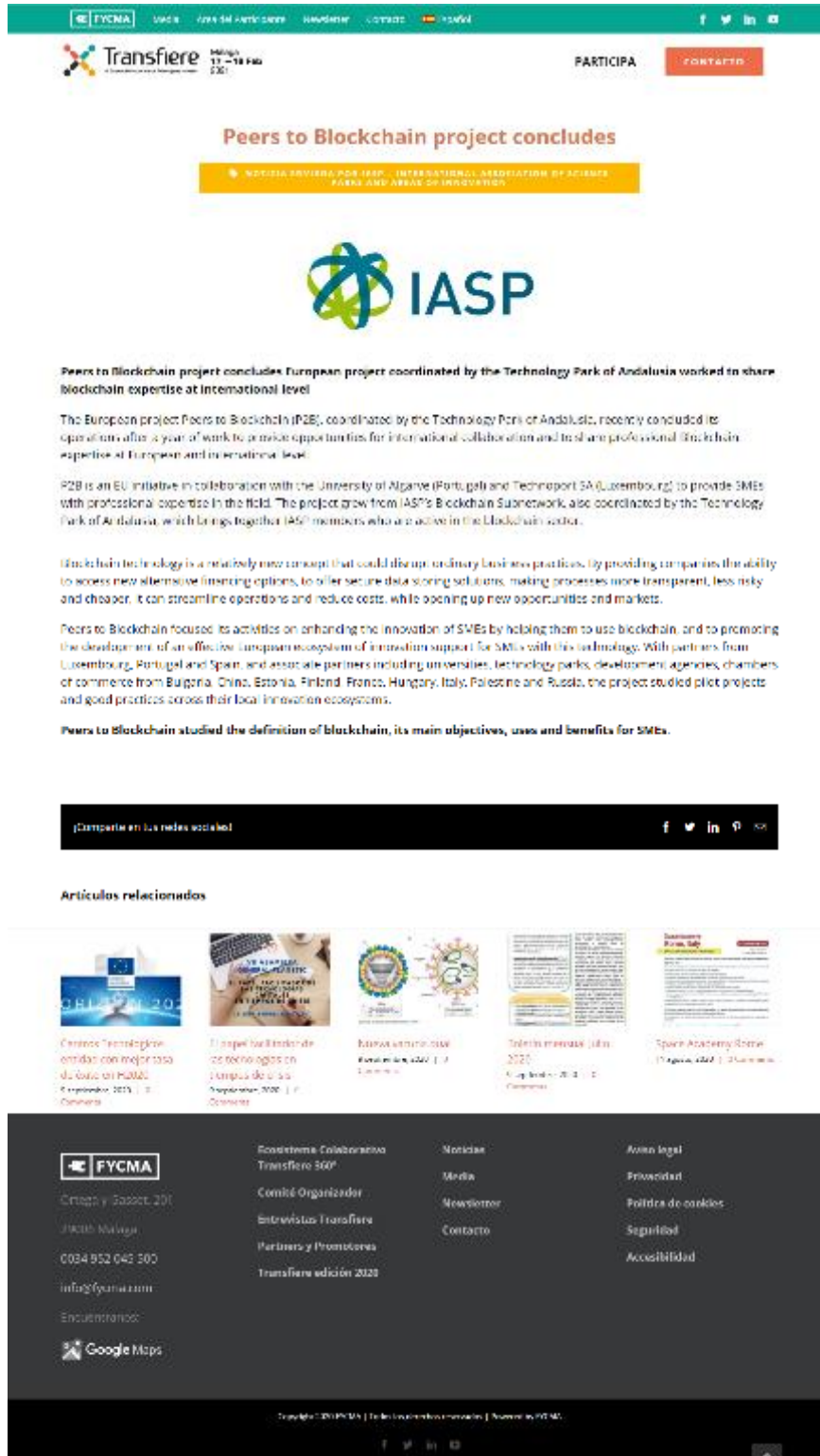

To see 



27

Trade fairs & Congress Centre of Malaga (City Council)

<https://transfiere.fycma.com/peers-to-blockchain-project-concludes/>

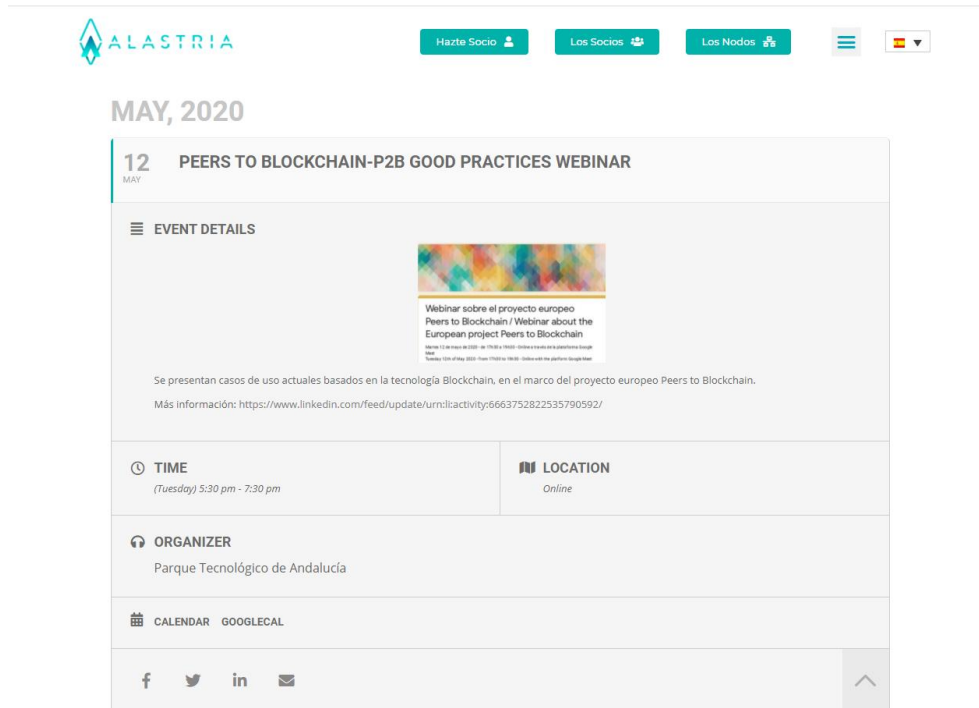


The screenshot shows a website page with a green header containing the FYCMA logo and navigation links. Below the header is a navigation bar with 'PARTICIPA' and 'CONTACTO' buttons. The main content area features a title 'Peers to Blockchain project concludes' and a sub-header 'REDUCCIÓ PRIMER PASO 480P - INTERNATIONAL ASSOCIATION OF SCIENCE PARKS AND AREAS OF INNOVATION'. The IASP logo is prominently displayed. The text describes the project's conclusion, its focus on SME innovation, and its international reach. A social media sharing bar is present, followed by a 'Artículos relacionados' section with five article thumbnails. The footer includes contact information for FYCMA, a list of services like 'Sistema Colaborativo Transfiere 360º', and a grid of links for 'Noticias', 'Medios', 'Newsletter', 'Contacto', 'Ayuda legal', 'Privacidad', 'Política de cookies', 'Seguridad', and 'Accesibilidad'. The page is dated 'Transfiere | 20/10/2019'.

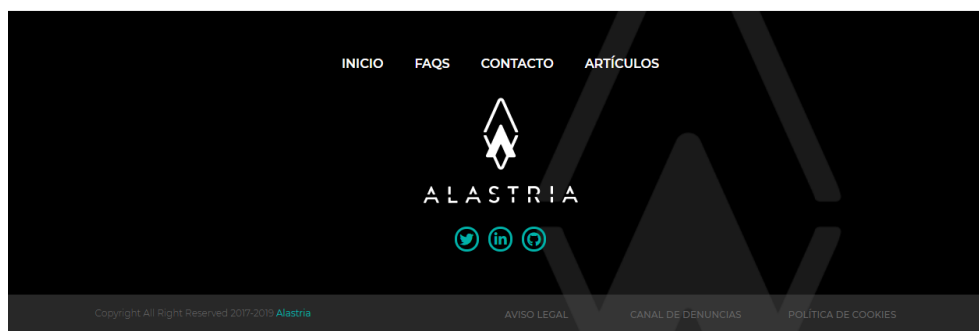
Spanish Blockchain Association Alastria

Alastria is a non-profit association that promotes the digital economy through the development of decentralised ledger technologies/Blockchain.

<https://alastria.io/events/peers-to-blockchain-p2b-good-practices-webinar/>



The screenshot shows the Alastria website interface. At the top, there is a navigation bar with the Alastria logo and buttons for 'Hazte Socio', 'Los Socios', and 'Los Nodos'. Below this, the date 'MAY, 2020' is displayed. The main content area features a calendar entry for '12 MAY' with the event title 'PEERS TO BLOCKCHAIN-P2B GOOD PRACTICES WEBINAR'. Underneath, there is an 'EVENT DETAILS' section with a thumbnail image and text in Spanish: 'Webinar sobre el proyecto europeo Peers to Blockchain / Webinar about the European project Peers to Blockchain'. It includes a description: 'Se presentan casos de uso actuales basados en la tecnología Blockchain, en el marco del proyecto europeo Peers to Blockchain.' and a link for more information. Below the details, there are sections for 'TIME' (Tuesday 5:30 pm - 7:30 pm) and 'LOCATION' (Online). The 'ORGANIZER' is listed as 'Parque Tecnológico de Andalucía'. At the bottom of the event card, there are social media icons for Facebook, Twitter, LinkedIn, and Email, along with a 'CALENDAR' and 'GOOGLECAL' link.



The screenshot shows the footer of the Alastria website. It features a dark background with the Alastria logo and the word 'ALASTRIA' in white. Above the logo, there are navigation links: 'INICIO', 'FAQS', 'CONTACTO', and 'ARTÍCULOS'. Below the logo, there are social media icons for Twitter, LinkedIn, and Facebook. At the bottom, there is a copyright notice: 'Copyright All Right Reserved 2017-2019 Alastria'. To the right, there are links for 'AVISO LEGAL', 'CANAL DE DENUNCIAS', and 'POLÍTICA DE COOKIES'.

IV.V. Press Releases

Articles were published in press releases (online and writing) by the partners for the most relevant activities of the project such as partner meetings, workshops, participation in national and international events.


- Diario SUR (Spanish Newspaper)
- 20 Minutos (Spanish Newspaper)
- Blockchain Economía (Blockchain Spanish Industry Website)
- malagaldia.es (collaborative online Platform)
- Malaga Investment Attraction Centre (Spanish Platform)
- Europa Press (Spanish News Agency)
- La Opinión de Málaga (Spanish Newspaper)
- Criptonoticias (Digital newspaper for Spanish speaking readers)
- Digital Newspaper Teleprensa (Regional Newspaper from the region of Almeria)
- Cibersur (Digital Newspaper specialized in Science, Technology, and Innovation)
- Vida Económica (Malaga Business Newspaper)

See next all these news:

1. Online newspapers

Diario SUR (Spanish Newspaper)

Enlace: <https://www.diariosur.es/malaga-capital/comienza-proyecto-europeo-20190516000936-ntvo.html>



The screenshot shows the top of a news article on the Diario SUR website. The page header includes the 'SUR' logo, a search bar, and navigation links for 'Suscríbete' and 'Iniciar sesión'. The article is categorized under 'Málaga' and 'Málaga capital'. The main headline is 'Comienza en el PTA el proyecto europeo 'Peers to Blockchain''. Below the headline, it indicates the source as 'SUR MÁLAGA' and the date as 'Jueves, 16 mayo 2019, 00:09'. The article text begins with: 'Dentro de su estrategia de proyección internacional, el Parque Tecnológico de Andalucía (PTA) participa en diversos proyectos europeos orientados a impulsar la innovación y el emprendimiento. Una de las últimas iniciativas que el PTA ha sumado a esta importante agenda internacional es el proyecto 'Peers to Blockchain', que ayer echó a andar en Málaga. Encuadrado en el programa de la Unión Europea H2020 (Horizon 2020), 'Peers to Blockchain' (P2B) comparte el objetivo de apoyo a la innovación empresarial de su proyecto marco, pero se centra en el fomento de la tecnología Blockchain para su implantación en las pequeñas y medianas empresas, según explicó el PTA en una nota de prensa. El Parque Tecnológico de Andalucía coordinará el proyecto, liderando todas sus fases de ejecución y control. Un rol protagonista corroborado por el hecho de auspiciar la sesión de lanzamiento del programa, desarrollada este miércoles en la sede del PTA. Peers to Blockchain (P2B) arrancó ayer en el PTA y pone en marcha su plan de trabajo estableciendo una serie de objetivos. En primer lugar, servir para definir un ecosistema de Blockchain para cada una de las regiones de las entidades participantes. En segundo lugar, deben quedar identificados los beneficios del Blockchain para las Pymes y pilotos reales que sirvan de modelo. De acuerdo con este análisis, se pondrán en común resultados y soluciones, y se elaborará un manual de buenas prácticas en Blockchain, con aplicación de metodologías innovadoras, orientado a Pymes. La tecnología Blockchain está llamada a transformar buena parte de las operativas transaccionales y de gestión que funcionan en el mundo. El PTA entiende la importancia estratégica que tiene esta tecnología disruptiva, y de ahí su interés por impulsar el intercambio de conocimiento y fomentar su desarrollo desde la tecnópolis; un hecho que contribuye a posicionar a Málaga y Andalucía como centros estratégicos. De hecho, el lanzamiento del Peers to Blockchain abre el telón a otro evento de capital relevancia en este ámbito: la AIPTE International Blockchain Conference que organiza el PTA este jueves en el Rectorado de la Universidad de Málaga.'

Lo + leído

- 1 El metro alberga el mayor yacimiento arqueológico en excavación en España
- 2 Aviso amarillo en Málaga por fuertes vientos y fenómenos costeros
- 3 Kilómetros de Pizza abre en Larico Centro su primer restaurante fuera de Madrid
- 4 La Palma-Palmilla, territorio Vos
- 5 Carlos Bautista asegura que Salud cumplirá todas las promesas hechas y pide perdón por el retraso

20 Minutos (Spanish Newspaper)

Enlace: <https://www.20minutos.es/noticia/3641272/0/proyecto-europeo-peers-to-blockchain-comienza-parque-tecnologico-andalucia/>



The screenshot shows a news article from 20 Minutos. The main headline is "El proyecto europeo Peers to Blockchain comienza en el Parque Tecnológico de Andalucía". The article text includes:

- EL TÍTULO:** Los objetivos del programa de innovación de la Unión Europea Horizon 2020.
- EL TEXTO:** El Centro de Investigación y Desarrollo Tecnológico de Andalucía (CITA) para el desarrollo de un nuevo proyecto europeo orientado a impulsar la innovación y el emprendimiento. Una de las líneas más relevantes que el PTB ha asumido es esta importante apuesta internacional por el proyecto Peers to Blockchain, que en su primer año de ejecución se centra en tres ejes.
- EL OBJETIVO DEL PROYECTO:** El primer objetivo del programa de innovación de la Unión Europea Horizon 2020 es "Peers to Blockchain", del que forma parte el objetivo de acceso a la innovación empresarial de su proyecto marco, pero se centra en el fomento de la tecnología blockchain para su implantación en las actividades y mercados críticos, según ha explicado el I+D+i en una nota de prensa.
- LOS OBJETIVOS DEL PROYECTO:** El primer objetivo del programa de innovación de la Unión Europea Horizon 2020 es "Peers to Blockchain", del que forma parte el objetivo de acceso a la innovación empresarial de su proyecto marco, pero se centra en el fomento de la tecnología blockchain para su implantación en las actividades y mercados críticos, según ha explicado el I+D+i en una nota de prensa.

 The article also features a photo of a meeting and several advertisements for Airzone, Aidoo Control, Wi-Fi, and Citroën.

Podemos tenerlo operativo tras el verano. De momento, se han apuntado al proyecto 17 parques, pero estoy convencido de que estarán todos. APTE somos 51 parques operativos con 8.137 empresas, ingresos de 23.934 millones de euros, y 175.773 empleados, de los que 34.291 trabajan en I+D. No hay otro así igual.

P: ¿Cómo será la red?

R: Queremos que las empresas de los parques tengan una plataforma para su propio uso, y para que desarrollen y prueben proyectos blockchain. En una tecnología revolucionaria que cambie la manera de las empresas, y forme parte del proyecto de la modernización de empresas en los parques. El objetivo es el diseño de la red, basado en blockchain compatible al modelo de Alastria. Queremos montar una red de nodos independiente, para que cada parque sea un nodo. Será privada, solo entrarán las empresas, decididas por los parques.

Nuestra red será una subred de Alastria que, al final, tendrá varios subredes. Una porque solamente en Alastria tiene gran valor para nosotros porque es un elemento donde queremos estar y participar. De hecho, el I+D+I lleva la Euzko Forastoria de Alastria.

P: ¿Abordan otros proyectos?

R: Si el PTA acaba de lanzar el proyecto europeo Peers to Blockchain (P2B), para implantar blockchain en las PYMES. Lo coordinamos, y lideramos todas las fases de ejecución y control. Nos lo han concedido las autoridades europeas. El consorcio P2B está formado por el PTA, la Universidad del Algarve (Portugal) y Technopari de Luxemburgo, además de hasta una veintena de entidades internacionales adheridas al programa. P2B está dentro del programa de la UE Horizonte 2020 recibiendo apoyo de 20 instituciones europeas.

P: ¿Cuál es el balance de la 17 Conferencia Internacional APTE, celebrada en Málaga la semana pasada?

R: Nos hemos comprometido en la capital mundial del Blockchain, porque era el tema central de la conferencia de este año. Han acudido más de 300 expertos de once países de todo el mundo. Hubieron un congreso en educación, ciencia y conferencias sobre esta tecnología. Se abrieron congresos los trabajos realizados por la Comisión Europea para favorecer la implantación progresiva de la tecnología blockchain. Se ha anunciado los resultados del World Blockchain Congress en Málaga del 11 al 13 de noviembre, nos sobrepasamos a convertir en la capital mundial de esta tecnología.

A raíz de la conferencia, el PTA ha firmado un acuerdo de colaboración en investigación científica y desarrollo tecnológico con la empresa china Z-Ran Well Ion Industry. En una gran firma que abarca múltiples sectores como la construcción, la logística, la industria agroalimentaria, la salud ambiental, la medicina, la energía, las manufacturas y las finanzas. El acuerdo se centra en el desarrollo de la solarización y aplicación de tecnologías como el Blockchain y Super 5G.

Compartir en:




Conferencia APTE
Enero 2019
Peers2blockchain y el
el 000111 del Glosario


Estrategia de innovación
LIFE AL COSTA MEDITERRANEA
Enero 2019
LIFE: innovación en
2020 en el sector de
LIFE MIP


Parlamento de Andalucía en
Málaga en el campo de
energías
Enero 2019
Resolución del Parlamento de
Andalucía del 14 de enero


Málaga: el primer
Málaga de 2020 en el
Blockchain y el futuro
Enero 2019
Peers2blockchain
Blockchain y el futuro


Málaga: el primer
Blockchain. Para
innovación y el futuro
Enero 2019
Blockchain y el futuro
Internacional y la creación de la tecnología...


Blockchain y el futuro
Blockchain
Enero 2019
Primer caso de innovación
de tecnología Blockchain


Blockchain y el futuro
Blockchain y el futuro
Enero 2019
Blockchain y el futuro
Blockchain y el futuro

malagaldia.es (collaborative online Platform)

Enlace: <https://www.malagaldia.es/2019/05/14/el-pta-situa-a-malaga-como-centro-mundial-de-la-tecnologia-blockchain/>



El director del ITC ha recordado que las futuras acciones como la creación de un día de Blockchain por empresas de la red de la red (peers), el lanzamiento del Anuario de la red, el Anuario Blockchain en español, el curso de verano "Blockchain Chain" en The Green Fair o la creación del T-Block de Experto (lanzamiento en Tecnología de Blockchain), son solo algunas de las propuestas que se han presentado a la Universidad de Málaga (UMA).

Además de estas acciones, se propone, entre otras, la creación de una red de expertos "un lado de economía empresarial", otro lado a la red en el campo de esta tecnología, con la colaboración de los mejores expertos en la materia, que compartirán su experiencia y conocimientos con la comunidad de la red de la red de Blockchain.

La tecnología Blockchain (redes de datos, cadena de bloques) puede ser el fundamento de un nuevo modelo de negocio, y progresivamente las empresas van dando un mayor protagonismo a la red, se están creando nuevos modelos de negocio de intercambio de información, cooperación y colaboración, así como muchos proyectos de la red de la red de Blockchain.

El primer paso, han procedido desde el ITC en un comunicado, es crear un punto único de contacto del "Blockchain" en la comunidad de la red, "Blockchain" por los países, para tener y desarrollar con la oportunidad de desarrollar un papel de liderazgo, apoyo y promoción a las nuevas ideas de innovación y fomento al conocimiento y acceso a la red de la red de Blockchain.

El ITC, además, tiene un programa de red internacional de la red de la red de Blockchain, dentro del programa Europeo Peers2Blockchain (en el marco del programa H2020), liderado por el profesor de la Universidad del Algarve de Portugal y el Parque Tecnológico de La Alameda, así como 20 entidades europeas de la red de la red de Blockchain a través de la red de la red de Blockchain en la red de la red de Blockchain.

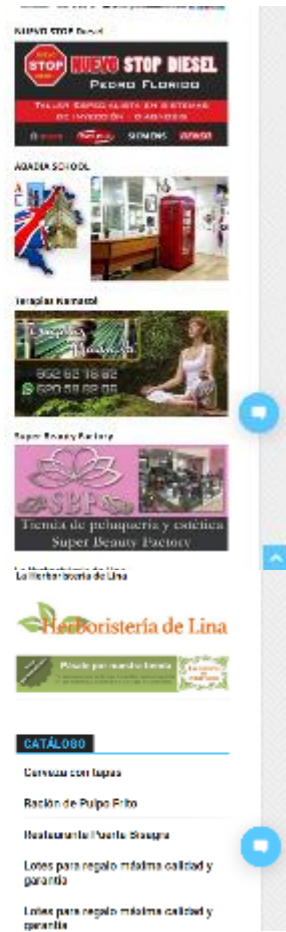
CUMBRE MUNDIAL

El evento contará con expertos de renombre como Pierre Néro, de la Unidad de Innovación Digital y Blockchain de la Comisión Europea; Sabban Palayo, de la European Research Area of Science, Technology and Innovation; Nasser M. Alkhatib, del Observatorio Europeo de Blockchain; Jorge Cordeiro, del Centro de Competencias Blockchain de la Universidad de Porto; y Michael Skandis, director de Aalborg.

En la jornada participarán miembros de la red de Blockchain de la Asociación Internacional de Parques Científicos y Tecnológicos y Áreas de Innovación (IACTI), que está coordinada por el ITC. Además, diversas empresas compartirán casos de uso reales con Blockchain "Blockchain" de las empresas que están creando sus servicios en este campo con Blockchain, que se encuentran liderados en la red de la red de Blockchain.

El evento culminará con una entrega de premios en reconocimiento a los mejores proyectos realizados en los países científicos y tecnológicos europeos durante el año 2018.

La cooperación de esta red de la red de la red de Blockchain es sólo posible con la colaboración de la Asociación Madrileña de Parques Científicos y Tecnológicos y Área de Innovación (IACTI), el Ayuntamiento de Málaga, Fundación, Orange Business, Intersky, Agencia Madrileña de Promoción Turística y la Universidad de Málaga.



STOP DIESEL
STOP DIESEL
Pedro Florido
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

AGADA SCHOOL
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Trabajo especializado
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Super Beauty Factory
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

La red de la red de Blockchain
La red de la red de Blockchain

Harboristería de Lina
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

CATALOGO
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Comunicación con la red
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Red de la red de Blockchain
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Restaurante Puerto Viejo
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Trabajo especializado
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Trabajo especializado
Trabajo especializado en el sistema de gestión de la red de la red de Blockchain

Malaga Investment Attraction Centre (Spanish Platform)

Enlace: <https://forinvestormalaga.com/malaga-congreso-global-blockchain-convergence/>



Málaga celebra el primer Congreso Global de Blockchain "Convergence"

Un equipo compuesto por la Comisión Europea, IMATEA (Asociación Internacional de Aplicaciones de cadena de bloques), el Gobierno y Foros europeos de Blockchain y Aareña (asociación que promueve la adopción digital) harán posible la primera edición de "Convergence, the Global Blockchain Congress". El evento será acogido en Málaga entre el 11 y 15 de noviembre en el Palacio de Reales y Congreso de Málaga (PRON).

El evento se celebrará el 14 de noviembre en Málaga, en el mítico Palacio de Reales y Congreso, el primer evento que reúne a más de 100 empresas de blockchain y startups globales por acción por primera vez en España. Los ganadores de la edición de 2019 se anunciarán durante el evento y la agenda de networking de inversión se repite.

La relevancia de este evento es el primer paso en 12 años de trabajo, durante los cuales se han desarrollado la mayoría de oportunidades de inversión en blockchain y en la zona de Málaga, gracias a la colaboración de IMATEA, el Gobierno y el sector privado. Los resultados de este primer paso se anunciarán durante el evento y la agenda de networking de inversión se repite.

La organización espera recibir más de 1.500 asistentes entre expertos, reguladores, políticos, inversores y empresas de diferentes industrias de todo el mundo. Algunas participaciones ya se han confirmado su asistencia con la Organización Mundial del Comercio, el Banco de España, el Foro Mundial de Startups y el Banco Internacional de Comercio. También empresas como Telefónica y Renault, entre otras.

Desde el evento los participantes tendrán acceso a todos los datos y podrán encontrar a los mejores talentos que se están formando en Málaga.

Málaga y la tecnología blockchain

Después de su primer congreso global, Málaga ya ha celebrado otros eventos focalizados en la tecnología blockchain, el pasado mes de septiembre de 2018 con el evento de 2500 expertos de 15 países diferentes sobre temas relacionados con la tecnología blockchain.

Además de la empresa europea "Blockchain Málaga (P2B)", empresas malagueñas están creando ecosistemas blockchain, en colaboración con partners de todo el mundo, como el sector de seguros, el sector de energía y el sector de salud.

Con esta posición consolidada, muchas empresas de todo el mundo están llegando a Málaga para realizar aquí sus negocios. Los expertos calculan que ya se han firmado más de 100 acuerdos profesionales de esta tecnología. En este sentido la Universidad de Málaga ofrece formación específica con grados y másteres profesionales.

14 de octubre 2019 | [ver más](#)

🔍
Andalucía






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El proyecto europeo Peers to Blockchain comienza en el Parque Tecnológico de Andalucía

Publicado 15/05/2019 12:45:46 ca



PTA
MÁLAGA, 15 May. (EUROPA PRESS) -

Dentro de su estrategia de proyección internacional, el Parque Tecnológico de Andalucía (PTA) participa activamente en diversos proyectos europeos orientados a impulsar la innovación y el emprendimiento. Una de las últimas iniciativas que el PTA ha sumado a esta importante agenda internacional es el proyecto Peers to Blockchain, que este miércoles ha comenzado a andar en Málaga.

Encajado en el programa de la Unión Europea H2020 (Horizon 2020), Peers to Blockchain (P2B) comparte el objetivo de apoyo a la innovación empresarial del su proyecto marco, pero se centra en el fomento de la tecnología Blockchain para su implantación en las pequeñas y medianas empresas, según ha explicado el PTA en una nota de prensa.

El Parque Tecnológico de Andalucía coordina el proyecto, liderando todos sus fases de ejecución y control. Un rol protagonista corroborado por el hecho de auspiciar la sesión de lanzamiento del programa, desarrollada este miércoles en la sede del PTA.

LOS OBJETIVOS DEL PROYECTO

Peers to Blockchain (P2B) ha anunciado este miércoles en el PTA y pone en marcha su plan de trabajo estableciendo una serie de objetivos. En primer lugar, el proyecto deberá servir para definir un ecosistema de Blockchain para cada una de las regiones de las entidades participantes. En segundo lugar, deberán quedar identificadas las beneficiarias del Blockchain para las Pymes y pymes nuevas que sirven de modelo.

De acuerdo con esta análisis, se pondrán en común resultados y conclusiones, y se elaborará un manual de buenas prácticas en Blockchain, con aplicación de metodologías innovadoras, orientado a Pymes.

La tecnología Blockchain está llamada a transformar buena parte de las operativas transaccionales y de gestión que en la actualidad funcionan en el mundo. El PTA ha comprendido la importancia estratégica que tiene esta tecnología disruptiva, y de ahí su interés por impulsar el intercambio de conocimiento y fomentar su desarrollo desde la tecnología, un hecho que contribuya a posicionar a Málaga y Andalucía como centros estratégicos de Blockchain.

De hecho, el lanzamiento del Peers to Blockchain abre el telón a otro evento de capital relevancia en este ámbito: la APTC International Blockchain Conference que organiza el PTA este jueves en el Rectorado de la Universidad de Málaga.

El consorcio del Peers to Blockchain está compuesto por el propio PTA, la Universidad del Algarve (Portugal) y Technoport (Luxemburgo), a las que hay que sumar hasta una veintena de entidades internacionales adheridas al programa.





Últimas noticias | Es Andalucía -

- Buscan a un hombre que intentó rapar a una niña a la salida de un colegio de Alcalá
- A Coruña prepara un dispositivo por el Greta Thunberg recala en la ciudad para llegar a la Cumbre del Clima
- La excoordinadora Clara Ponsati se entrega a la justicia ecuatoriana tras la suspensión por audición por el 1-0



Digital Newspaper Teleprensa

<https://www.teleprensa.com/es/malaga/el-proyecto-europeo-peers-to-blockchain-comienza-en-el-parque-tecnologico-de-andalucia.html.html>

15/05/2019

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PRIMER PERIÓDICO DIGITAL DE ALMERÍA

Miércoles, 16 de Septiembre de 2020 Publica tu noticia

CAPITAL PROVINCIA CULTURA SOCIEDAD ECONOMÍA DEPORTES OPINIÓN

HOME / MÁLAGA / MÁLAGA / EL PROYECTO EUROPEO PEERS TO BLOCKCHAIN COMIENZA EN EL PARQUE TECNOLÓGICO DE ANDALUCÍA

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#Economía

El proyecto europeo Peers to Blockchain comienza en el Parque Tecnológico de Andalucía

Málaga. El proyecto europeo Peers to Blockchain comienza en el Parque

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El Parque Tecnológico de Andalucía coordinará el proyecto, liderando todas sus fases de ejecución y control. Un rol protagonista corroborado por el hecho de auspiciar la sesión de lanzamiento del programa, desarrollada este miércoles en la sede del PTA.

LOS OBJETIVOS DEL PROYECTO

Peers to Blockchain (P2B) ha arrancado este miércoles en el PTA y pone en marcha su plan de trabajo estableciendo una serie de objetivos. En primer lugar, el proyecto deberá servir para definir un ecosistema de Blockchain para cada una de las regiones de las entidades participantes. En segundo lugar, deberán quedar identificados los beneficios del Blockchain para las Pymes y pilotos reales que sirvan de modelo.

De acuerdo con este análisis, se pondrán en común resultados y soluciones, y se elaborará un manual de buenas prácticas en Blockchain, con aplicación de metodologías innovadoras, orientado a Pymes.

La tecnología Blockchain está llamada a transformar buena parte de las operativas transaccionales y de gestión que en la actualidad funcionan en el mundo. El PTA ha comprendido la importancia estratégica que tiene esta tecnología disruptiva, y de ahí su interés por impulsar el intercambio de conocimiento y fomentar su desarrollo desde la tecnópolis; un hecho que contribuye a posicionar a Málaga y Andalucía como centros estratégicos de Blockchain.

De hecho, el lanzamiento del Peers to Blockchain abre el telón a otro evento de capital relevancia en este ámbito: la APTE International Blockchain Conference que organiza el PTA este jueves en el Rectorado de la Universidad de Málaga.

El consorcio del Peers to Blockchain está compuesto por el propio PTA, la Universidad del Algarve (Portugal) y Technoport (Luxemburgo), a las que hay que sumar hasta una veintena de entidades internacionales adheridas al programa.

--EUROPA PRESS--

NOTICIAS RELACIONADAS



Alcaldes y portavoces socialistas exigen la apertura "a pleno rendimiento" de la UCI del Hospital de Ronda

Junta de Personal del Hospital Clínico critica "la situación que sufre" el servicio de obstetricia y ginecología

Startup Europe Smart Agrifood Summit celebra su tercera edición en formato híbrido

Un malagueño premiado en el concurso fotográfico de Correos dedicado al Camino de Santiago

La ONCE dedica el sorteo del domingo a la Legión para celebrar los 100 años de servicio a la sociedad

Cibersur (Digital Newspaper specialized in Science, Technology, and Innovation)

<http://w.cibersur.com/cibersur/impe/portada/andalucia/020322/proyecto/europeo/peers/to/blockchain/inicia/andadura/pta?d=print>

Cibersur América RSS

BLOCKCHAIN

El proyecto europeo Peers to Blockchain inicia su andadura en el PTA

El Parque Tecnológico de Andalucía coordina este proyecto orientado a implementar la tecnología Blockchain en las PYMES europeas.

Cibersur.com | 16/05/2019 12:27

Dentro de su estrategia de proyección internacional, el PTA participa activamente en diversos proyectos europeos orientados a impulsar la innovación y el emprendimiento. Una de las últimas iniciativas que el PTA ha sumado a esta importante agenda internacional es el proyecto Peers to Blockchain, que hoy ha comenzado a andar en Málaga.



Encajado en el programa de la Unión Europea H2020 (Horizon 2020), Peers to Blockchain (P2B) comparte el objetivo de apoyo a la innovación empresarial del su proyecto marco, pero se centra en el fomento de la tecnología Blockchain para su implantación en las pequeñas y medianas empresas. El Parque Tecnológico de Andalucía coordinará el proyecto, liderando todas sus fases de ejecución y control. Un rol protagonista corroborado por el hecho de auspiciar la sesión de lanzamiento del programa, desarrollada hoy en la sede del PTA.

Peers to Blockchain (P2B) arranca hoy en el PTA y pone en marcha su plan de trabajo estableciendo una serie de objetivos. En primer lugar, el proyecto deberá servir para definir un ecosistema de Blockchain para cada una de las regiones de las entidades participantes. En segundo lugar, deberán quedar identificados los beneficios del Blockchain para las PYMES y pilotos reales que sirvan de modelo.

De acuerdo con este análisis, se pondrán en común resultados y soluciones, y se elaborará un manual de buenas prácticas en Blockchain, con aplicación de metodologías innovadoras, orientado a PYMES.

La tecnología blockchain está llamada a transformar buena parte de las operativas transaccionales y de gestión que hoy funcionan en el mundo. El PTA ha comprendido la importancia estratégica que tiene esta tecnología disruptiva, y de ahí su interés por impulsar el intercambio de conocimiento y fomentar su desarrollo desde la tecnópolis; un hecho que contribuye a posicionar a Málaga y Andalucía como centros estratégicos de Blockchain. De hecho, el lanzamiento del Peers to Blockchain abre el telón a otro evento de capital relevancia en este ámbito: la APTE International Blockchain Conference que organiza el PTA este jueves en el Rectorado de la Universidad de Málaga.

El papel del Parque Tecnológico de Andalucía en este proyecto es el de coordinar las diferentes acciones previstas. El consorcio del Peers to Blockchain está compuesto por el propio PTA, la Universidad del Algarve (Portugal) y Technoport (Luxemburgo), a las que hay que sumar hasta una veintena de entidades internacionales adheridas al programa.

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vida económica

LA REVISTA EMPRESARIAL DE MÁLAGA

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Inicio > Tecnología > El proyecto europeo Peers to Blockchain inicia su andadura en el PTA

ACTUALIDAD Y EMPRESAS
Tecnología

El proyecto europeo Peers to Blockchain inicia su andadura en el PTA

El Parque Tecnológico de Andalucía coordina este proyecto orientado a implementar la tecnología Blockchain en las PYMES europeas

Por Vida Económica · 16 mayo, 2019

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El proyecto se encuadra en el programa europeo H2020.

Dentro de su estrategia de proyección internacional, el PTA participa activamente en diversos proyectos europeos orientados a **impulsar la innovación y el emprendimiento**. Una de las últimas iniciativas que el PTA ha sumado a esta importante agenda internacional es el **proyecto Peers to Blockchain**, que hoy ha comenzado a andar en Málaga.

Encuadrado en el programa de la Unión Europea H2020 (Horizon 2020), Peers to Blockchain (P2B) comparte el objetivo de apoyo a la innovación empresarial desde su proyecto marco, pero se centra en el **fomento de la tecnología Blockchain para su implantación en las pequeñas y medianas empresas**. El Parque Tecnológico de Andalucía coordinará el proyecto, liderando todas sus fases de ejecución y control. Un rol protagonista corroborado por el hecho de auspiciar la sesión de lanzamiento del programa, desarrollada hoy en la sede del PTA.

ÚLTIMAS NOTICIAS



Málaga se une a la Semana Europea de la Movilidad
Social 16 septiembre, 2020



La Diputación ofrece a entidades del Guadalhorce ayudas de 1,8 millones
Social 15 septiembre, 2020



Un total de 12 empresas optan a los Premios AJE Málaga 2020
Emprendimiento 14 septiembre, 2020



Más de un centenar de profesionales participan en las mesas técnicas de segmentos
Turismo 11 septiembre, 2020



El proyecto "Avanza Autónom@s" favorece el crecimiento empresarial en Málaga
Economía 10 septiembre, 2020

CATEGORÍAS

- ACTUALIDAD Y EMPRESAS
- Agroalimentario
- Automoción
- Comercio
- Construcción
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- DE SIEMPRE
- Economía
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Blockchain para PYMES

Peers to Blockchain (P2B) arrancó ayer en el PTA y puso en marcha su plan de trabajo estableciendo una serie de objetivos. En primer lugar, el proyecto deberá servir para definir **un ecosistema de Blockchain** para cada una de las regiones de las entidades participantes. En segundo lugar, deberán quedar identificados los beneficios del *Blockchain* para las PYMES y pilotos reales que sirvan de modelo. De acuerdo con este análisis, se pondrán en común resultados y soluciones, y se elaborará un **manual de buenas prácticas en Blockchain**, con aplicación de metodologías innovadoras, orientado a PYMES.

La tecnología *Blockchain* está llamada a transformar buena parte de las operativas transaccionales y de gestión que hoy funcionan en el mundo. El PTA ha comprendido la importancia estratégica que tiene esta tecnología disruptiva, y de ahí su interés por impulsar el intercambio de conocimiento y fomentar su desarrollo desde la tecnópolis; un hecho que contribuye a **posicionar a Málaga y Andalucía como centros estratégicos de Blockchain**. De hecho, el lanzamiento del Peers to Blockchain abre el telón a otro evento de capital relevancia en este ámbito: la APTÉ International Blockchain Conference que organiza el PTA este jueves en el Rectorado de la Universidad de Málaga.

Participantes en Peers to Blockchain

El papel del Parque Tecnológico de Andalucía en este proyecto es el de coordinar las diferentes acciones previstas. El consorcio del Peers to Blockchain está compuesto por el propio PTA, la Universidad del Algarve (Portugal) y Technoport (Luxemburgo), a las que hay que sumar hasta una veintena de entidades internacionales adheridas al programa

ETIQUETAS [innovación](#) [malaga](#)

ACTUALIDAD Y EMPRESAS

Agroalimentario

Automoción

Comercio

Construcción

Cultura

DE SIEMPRE

Economía

Emprendimiento

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MÁS QUE EMPRESAS

Restauración

Sanidad

Sin categoría

Social

Tecnología

Transporte

TRIBUNA

Formación

Gestión



La Opinión de Málaga (Spanish Newspaper)

<https://www.laopiniondemalaga.es/malaga/2019/05/16/pta-pone-marcha-proyecto-europeo/1088639.html>



The screenshot shows the website of 'La Opinión de Málaga' with a main article titled 'El PTA pone en marcha el proyecto europeo Peers to Blockchain'. The article text includes:

El Parque Tecnológico de Andalucía (PTA) pone en marcha ayer el proyecto Peers to Blockchain dentro de su estrategia de proyección internacional, como parte activa de diversas iniciativas europeas orientadas a impulsar la innovación y el emprendimiento, financiadas en el programa de la Unión Europea Horizon 2020 (Horizon 2020). Peers to Blockchain (PTB) comparte el objetivo de apoyar la innovación empresarial de su proyecto marca, pero se centra en el fomento de la tecnología Blockchain para su implantación en las pequeñas y medianas empresas, según explicó el PTA.

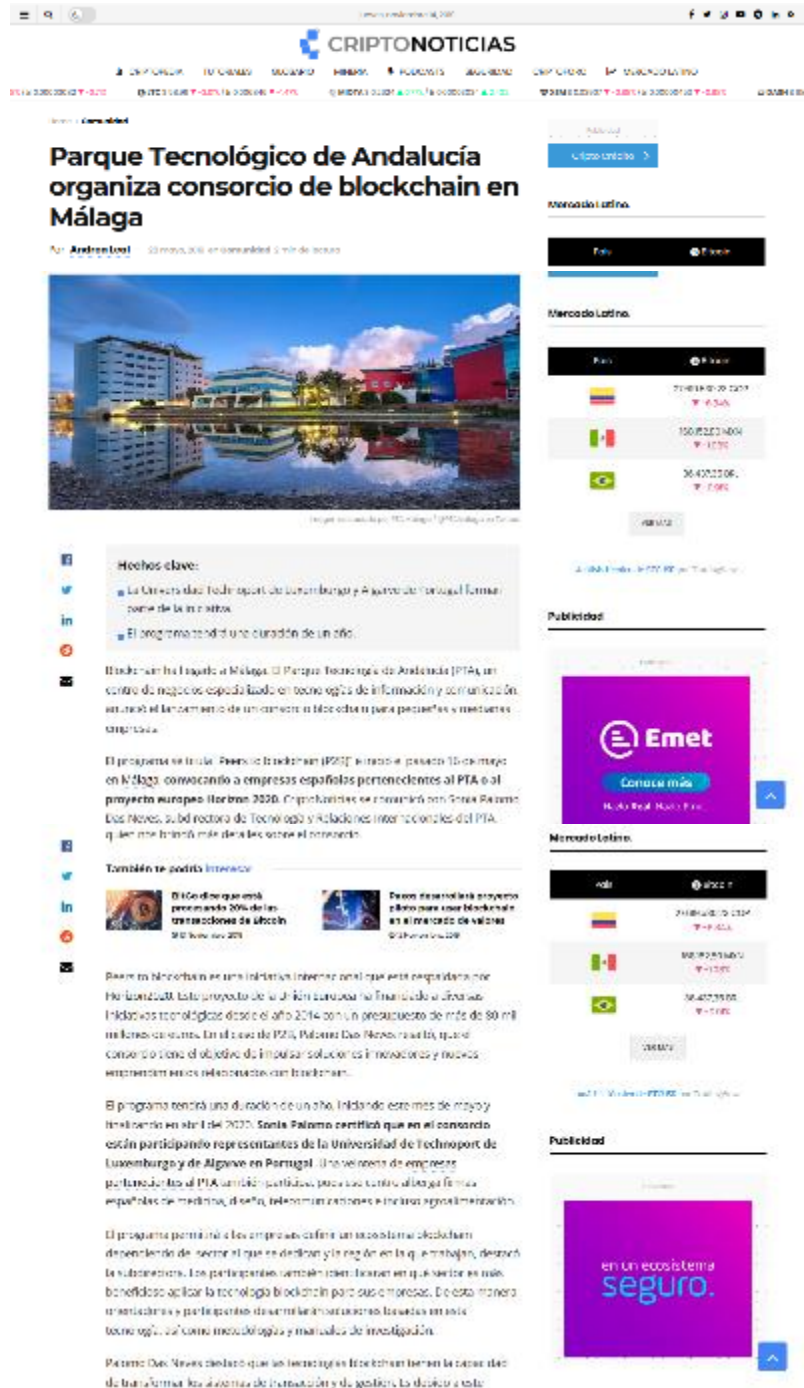
El PTA coordinará el proyecto, liderando todas sus fases de ejecución y control. Un rol protagonista compartido por el hecho de auspiciar la sesión de lanzamiento del programa, desde su lanzamiento en la zona del parque.

Peers to Blockchain establecerá como objetivos: definir un ecosistema de Blockchain para cada una de las regiones de las entidades participantes e identificar los beneficios para las pymes y pymes rurales que venen de modo. De acuerdo con cada entidad, se pondrán en común resultados y relaciones, y se elaborará un manual de buenas prácticas en Blockchain.

Below the article, there is a section for 'Elecciones Generales' with a pie chart for 'Málaga' showing results for 'PSOE' (11%, 22,522, 30.7%) and 'PP' (32%, 62,571, 41.8%).

Criptonoticias (Digital newspaper for spanish speaking readers)

<https://www.criptonoticias.com/comunidad/parque-tecnologico-andalucia-consorcio-blockchain-malaga/>



The screenshot shows the homepage of Criptonoticias.com. The main article is titled "Parque Tecnológico de Andalucía organiza consorcio de blockchain en Málaga" by Anton Lora. The article discusses a consortium of blockchain companies in Málaga, supported by the European Union's Horizon 2020 program. It mentions the participation of the University of Technology of Luxembourg and the University of Algarve in Portugal. The article also highlights the role of the Palencia Das Neves research center and the goal of promoting blockchain solutions in various sectors like medicine, agriculture, and energy.

On the right side of the page, there are several widgets: a "Mercado LatAm" section showing market data for various countries (Spain, Italy, Brazil), a "Publicidad" section with an advertisement for "Emet" (Ethereum-based), and another "Publicidad" section with an advertisement for "en un ecosistema seguro".

2. Writing Press

Writing press was released about the Global Blockchain Congress CONVERGENCE that took place in Málaga (Spain), in November 2019, where the project P2B was presented.

El Economista Andalucía ▶ 25 Noviembre, 2019	PAÍS: España PÁGINAS: 36-37 TARIFA: 29500 € ÁREA: 1260 CMP - 200%	FRECUENCIA: Mensual O.J.D.: 10665 E.O.M.: 88000 SECCIÓN: INNOVACION	
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MÁLAGA CONSOLIDA SU APUESTA POR EL 'BLOCKCHAIN'	FINANCIER	El economista Andalucía
<p>MÁLAGA CONSOLIDA SU APUESTA POR EL 'BLOCKCHAIN'</p> <p>La ciudad ha sido sede este mes de 'Convergence' el primer evento internacional dedicado a esta tecnología que ha reunido a empresas, startups y agencias de todo el mundo.</p>  	<p>Los foros de Blockchain, verticales de Málaga, que pretenden promover la adopción de esta tecnología tanto de sustrato como y gestión de la información, están creando de nuevo paradigma a nivel internacional y Andalucía no se queda atrás a estos avances.</p> <p>Málaga ha sido esta vez sede del congreso Convergence, el primer evento mundial de esta índole dedicado a la tecnología Blockchain.</p> <p>El Palacio de Fiestas y Congresos (Jofesa) se convirtió entre el 11 y el 12 de noviembre en un punto de encuentro para cientos de expertos, empresas, agencias y dirigentes de todo el mundo que analizaron las claves que han permitido el crecimiento de esta tecnología.</p> <p>El Fórum Tecnológico de Andalucía (FTA) lleva varios años impulsando en Málaga iniciativas con el fin de posicionarse a Málaga y Andalucía en el panorama internacional en esta materia, así como en otras tecnologías disruptivas que definen el mundo en un futuro próximo. "Convergence" ha supuesto un nuevo salto hacia ese posicionamiento que la ciudad ha iniciado recientemente", ha indicado desde la tecnología malagueña.</p> <p>Tras jornadas de actividades previas de los sectores de regulación y licencias en el ámbito del Blockchain con el objetivo de dar un ángulo para el futuro de esta tecnología, formada a simposios y a universidades los especialistas internacionales y destacados en todo el mundo. Foros, conferencias y encuentros han contribuido a clarificar conceptos, avanzar el debate constructivo y proporcionar los pasos futuros que se darán en el campo del Blockchain", han añadido.</p> <p>Convergence ha sido organizada por la Comisión Europea, el Observatorio Europeo de Blockchain, el organismo auspicio B4TA y Alabata, red nacional de Blockchain en la que participa y auspicio en Andalucía el FTA. La tecnología tuvo una destacada participación en Convergence, en consonancia con su creciente posicionamiento como foco de innovación en Blockchain y otras tecnologías disruptivas. A través de la participación en el Global Blockchain Challenge de la mano de Oracle, empresa innovadora en el sector, el FTA celebró un encuentro de la ciudad de Blockchain. Este grupo de trabajo reúne a varias compañías de FTA representadas en Blockchain, así como otros miembros de la comunidad para la captación y desarrollo de talento. Tras el día de la localidad de Málaga tiene un papel esencial el apoyo de la mayor colaboración entre el FTA y la UMA, especialmente de la comunidad de Blockchain de España (Blockchain en Andalucía), un indicador por el que se ven reflejados en esta edición y que se promueve en Andalucía.</p>	
37	INNOVACIÓN	El economista Andalucía
<p>En la última jornada del Congreso, el FTA participó en un taller sobre la implementación del Blockchain en las pymes y empresas. Este taller, dirigido por Susana Palencia, subdirectora del Área de Transferencia de Tecnología y Relaciones Internacionales del FTA, y abarcó precisamente en este caso en el que trabaja actualmente el taller como coordinador del proyecto europeo Poets to Blockchain.</p> <p>De este proyecto, y también en el marco del congreso, el FTA prestó una muestra de trabajo con los socios donde se expusieron los casos de uso de esta tecnología en los casos de los participantes, Luxemburgo, Portugal y España, que servirán de base para diseñar un manual online que permita conocer las mejores prácticas de Blockchain, y sobre todo que exponga los retos que la tecnología Blockchain ofrece a los pymes en el ámbito de las más innovadoras y competitivas en el mercado actual, así como sus campos de aplicación.</p> <p>El congreso de Economía, Comercio, Empresa y Universidad, Rafael Velasco, destacó durante el congreso el papel "clave" de la administración pública para fomentar la preparación del sector blockchain en la comunidad, garantizando que "el entorno social, legal y económico sea el adecuado para fomentar su consolidación dentro del ecosistema digital de nuestra Andalucía".</p> <p>Según comentó el titular andaluz de Innovación, esta tecnología "se está convirtiendo en un mundo, dada las capacidades de verificación, certificación y de seguridad que ofrece para multitud de procesos que se llevan a cabo tanto en la Administración pública como en las empresas". "Se trata de una tecnología muy rápida, sencilla y flexible que está permitiendo procesos de procedimientos, reduciendo con ello la vulnerabilidad pública y el fraude", dijo.</p> <p>Velasco añadió que la tecnología que se está llevando a cabo está en consonancia con el nuevo marco europeo y las propuestas contenidas en el programa Europa Digital, que contará con una inversión de 6.500 millones hacia 2027, destinada a fomentar el desarrollo de los ecosistemas digitales más innovadores y más avanzados. La inversión más relevante en esta línea de trabajo impulsado por el Gobierno andaluz será compararla con el sector empresarial mediante la creación de un foro de expertos internacionales seleccionados con la aplicación de tecnología propia de la ciudad malagueña (IoT, IA, incluido el Blockchain).</p> <p>Convergence ha servido de punto de encuentro de más de 1.500 participantes entre los que se encuentran socios de la comunidad</p>	 <p>Más de 1.500 participantes de todo el mundo se reunieron en Málaga, 11 y 12 de noviembre.</p>	 <p>El evento tuvo éxito y se celebró un primer encuentro tecnológico.</p>
<p>La UMA y el FTA promueven un master sobre 'Blockchain' pionero en Andalucía</p>	<p>Asociación, reguladores, personal de los centros de investigación, representantes corporativos, investigadores y empresas de diversos sectores. El encuentro también ha contado con la participación de socios de ámbito como el Banco de Aragón, el Banco Interamericano de Desarrollo, el Foro Económico Mundial, el Banco Mundial, el Banco Central Europeo y la OCDE.</p> <p>Los participantes han podido conocer las prácticas de Blockchain y participar en un programa de actividades, paneles, talleres, conferencias y eventos culturales.</p>	

Important news in the field of the Blockchain Technology which counts of the collaboration of the Technology Park of Andalucía was released in January 2020.



9 Enero, 2020

PAÍS: España
PÁGINAS: 10
TARIFA: 577 €
ÁREA: 149 CM² - 19%

FRECUENCIA: Diario
O.J.D.: 1748
E.G.M.: 16000
SECCIÓN: MÁLAGA

El PTA se suma a la nueva red de APTE y Telefónica para lanzar el Blockchain

▶ Una red independiente dará servicio a las más de 8.000 empresas que se alojan en los 52 parques científicos

LA OPINIÓN Málaga

■ La Asociación de Parques Científicos y Tecnológicos de España (APTE) ha firmado un convenio de colaboración con Telefónica para poner en marcha una red privada e independiente de blockchain y ofrecer un acceso rápido y seguro a esta tecnología a las más de 8.000 empresas y entidades ubicadas en los 52 parques cientí-

ficos y tecnológicos operativos miembros de la Asociación. El Parque Tecnológico de Andalucía (PTA), en Málaga, se ha sumado a esta nueva red, que supone otro hito en el proceso de implantación del Blockchain. La red se denomina BLOCKPCT y está construida bajo la tecnología propia de Telefónica, denominada TrustOS. El director del PTA y presidente de APTE, Felipe Romero, destacó que los parques «serán los primeros en ofrecer a sus empresas y entidades acceso rápido a blockchain». La consejera delegada de Telefónica, María Jesús Almaraz, añadió que, gracias a este convenio, las empresas alojadas en estos parques «podrán beneficiarse de las ventajas de esta tecnología sin tener que enfrentarse a la complejidad inherente de la misma o tener que dedicar recursos».



La firma del acuerdo entre APTE y Telefónica. | B

IV.VI. Participation in national and international events

A total of 19 events (conferences, workshops and meetings) took place to promote the project and the activities implemented: The following ones took place:

- Kick-off meeting of the project in Malaga
- International Blockchain Conference, Málaga, Spain (16h of May 2019)
- Presentation of the project in the University of Applied Sciences in Saarbrücken, Germany (22/05/2019)
- Presentation of the project in the incubator Eurodev, France (04/07/2019)
- Presentation of the project within a EU-Africa Networking Meeting, Nairobi, Kenya (11-18 September 2019)
- Presentation of the project in EdTech meetup & conference, Luxembourg city (24/09/2019)
- Presentation of the project in a brokerage event of the European Higher Institute of Enterprises and Techniques (ISEETECH), France (16/10/2019)
- Workshop at the EU University Business Forum and DLT4ALL, Brussels (24-25 october 2019)
- Presentation of the project at Grand E-Nov Innovation Agency during ConnectInGR event, a matchmaking event of business players of the Greater Region, Luxembourg (05/11/2019)
- Presentation of the project during a during a EU-India innovation partnership event in New-Delhi, India (11-15 November 2019)
- Global Blockchain Congress CONVERGENCE, Málaga, Spain (11-13 November 2019)
- Meeting of the Blockchain Working Group from the University of Malaga and the Technology Park of Andalucía Málaga, Spain (11th of November 2019)
- P2B partner meeting in Luxembourg (January 2020)
- Presentation of the P2B in partner meeting of European projects:
 - o Presentation of the project at the Innorate H2020 project advisory board meeting, Brussels (27th & 28th of May 2019)
 - o Fablabia project meeting at Brigk (AUDI automotive innovation centre), Ingolstadt, Germany (28-29 november 2019)
 - o TargetSME from the Innosup-5 call, Poznan (Poland), 2nd & 3rd of December 2019)
 - o Recycling Business Models RBM from the Innosup-5 call, Malaga (Spain), 4th of December 2019)
 - o eLead from the Erasmus Plus call, Pesaro (Italy), 26th and 27th of November 2019
- Webinar about the European project Peers to Blockchain (12th of May 2020)

The project concluded with the realization of a final International event in Faro, to present the results of the project, and created synergies and opportunities to capitalise the outcomes obtained.

1. International Blockchain Conference

In the framework of the Kick-off meeting of the P2B project, the partners participated in the International Blockchain Conference that took place at the Rector's Office Building of the University of Malaga on the 16th of May 2019. The event coincided with the XVII International Conference of the Association of Science and Technology Parks of Spain (APTE), as well as with the I Meeting of the Blockchain Subnetwork of the International Association of Science Parks and Areas of Innovation (IASP).



2. Presentation of the P2B project at University of Applied Sciences in Saarbrücken, Germany

P2B Project was presented at HTW SAAR within a Greater Region meeting on digital information and communication platform for entrepreneurs. The Greater Region is the cross-border area spanning five regions and four founding countries of the European Union: Germany, France, Luxembourg.



3. Presentation of the P2B project at Eurodev, France

P2B Project was introduced within a presentation on Technoport EU project at Eurodev Pépinière d'entreprise in the context of a Greater Region Business matchmaking.



4. EdTech meetup & conference

24 September 2019 EdTech meetup & conference, Luxembourg city (Meetup event)

P2B project was introduced to the Education Technology community in Luxembourg within an Ed-Tech meetup.



5. Capitalization with the Innorate H2020 project

On the 27th and 28th of May 2019 the project was presented to the Innorate H2020 project advisory board meeting, in Brussels.



6. EU-Africa Networking Meeting, Nairobi, Kenya

P2P was presented withing an EU-Africa Networking meeting. 21 tech hubs from Europe and Africa hubs gathered to share on Africa Europe innovation partnership for intercontinental cooperation in the area of innovation.



7. EU-India Networking Meeting, Delhi, India

The P2B Project was presented during a EU-India innovation partnership event in New-Delhi (11-15 November 2019). Technoport presented its EU projects participations and communicated about the Peers to Blockchain objectives.

EUROPE-INDIA INNOVATION PARTNERSHIP
in collaboration with
STARTUP INDIA NETWORK

ABOUT THE INITIATIVE
LATEST UPDATES
EVENTS
PARTNERS
CONTACT



THE THIRD NETWORKING EVENT OF THE EUROPE-INDIA INNOVATION PARTNERSHIP INITIATIVE

12 - 13 November 2019
New Delhi, India

The third networking event took place in New Delhi, India on November 12-13, 2019 and brought together 27 incubators/accelerators from Europe and India – 12 from Europe and 15 from India, with 17 participants that met for the first time as network members, and 10 participants that already met at previous events and are already in the process of implementing collaborative activities. Building on the results of the previous events, this third event served to further formalise the emerging partnerships, based on the plans of action already developed by some of the participants, and allowed new participants to explore opportunities for collaboration with counterparts from the other region. Participants benefitted from targeted inputs with regard to potential funding sources, market access and IPR and regulatory issues. In order to put the emerging partnerships on a track towards self-sustainability, At the event, 16 new Memoranda of Understanding between 17 partners were signed, demonstrating the long-term commitment of many participants to the network.



8. 8th EU University Business Forum and DLT4ALL, Brussels

P2B project was presented with DLT4ALL initiative, sharing perspective on a Knowledge Alliance for Blockchain in Academic, Entrepreneurial and Investment Training, to address effectively the lack of European entrepreneurs', students', investors' and incubator managers' understanding of Blockchain and Distributed Ledger Technologies (DLT) and their applications.

24-25 October 2019 , 8th EU University Business Forum and DLT4ALL, Brussels (Workshop)



9. Global Blockchain Congress CONVERGENCE

On **11-13 November 2019**, the city of **Málaga, Spain** (Trade Fair and Congress Center of Malaga) hosted **Convergence**, an event designed to be **the first truly global and interdisciplinary blockchain congress**. By providing a direct dialogue *with regulators, policymakers, industry influencers*

and members of the social impact community from North and South America, Africa, Asia, Japan and the Middle East joining in, as well as a direct say in setting global blockchain priorities for the coming year, Convergence also offers participants a unique opportunity to not just discuss blockchain but also actively shape the industry.



Convergence

The Global Blockchain Congress 2019

The event included a number of **high-level panels, roundtables and working groups** which will explore the future of blockchain in domains of *AI, IoT, Finance, Mobility, Energy, Logistics, Identity, Privacy, Interoperability, Education, Governance, Standardisation*, and many others. With participation from thought leaders and executives in key technologies and

industries outside of blockchain, Convergence is the first global conference to aim for a truly transversal experience – exploring convergent trends in blockchain technology, regulation and research as well as blockchain’s impact on the economy, business, and society as a whole. More than **1.300 participants** from all over the world were present in this event.



Members of the P2B project together with international delegation during the event.



Partners of the P2B project during a public session.

In such context, Hugo Barro, representative from the P2B Portuguese partner, the University of Algarve, participated in a **panel session focusing on EU Funding: Opportunities for Traditional, Innovative SME’s and Start-ups (12 November 2019, 17:15 – 18:00 CET)**. This information session offered attendees an opportunity to understand more about the EU’s blockchain policy and funding initiatives.



The speech of Hugo Barros is been uploaded in YouTube for the promotion of the P2B project. The video is available in the next link: https://youtu.be/_tokqFYxNWc

More videos about the Congress Convergence area available at:
https://www.youtube.com/watch?v=-pNO9oDJ64&list=PLyMUK47rPuqqXbwecCGXV4f7zPwCl_MUZ

10. Blockchain Working Group of the Technology Park of Andalusia

In the framework of the Global Blockchain Congress CONVERGENCE, which took place on the 11-13 November 2019, in Malaga, Spain, several partners of the Peers to Blockchain project participated in the meeting of the Blockchain Working Group of the Technology Park of Andalusia, which counts with the leading companies of the Technopolis in this field, representatives from the University of Málaga.

The Group meets frequently to analyse the state of art of this technology and the challenges the companies have in this field.



11. Workshop BLOCKPCT (APTE)

On the 6th of February 2020, the Spanish partner of the Peers to Blockchain project participated in a workshop organised by Association of Science and Technology Parks of Spain (APTE), to present the Blockchain network BLOCKPCT the association launched in Spain.

With this initiative, APTE will make it easier to use blockchain to the 8.000 companies located in Spanish science and technology parks.



12. Webinar P2B

Within the framework of the European project Peers to Blockchain the Technology Park of Andalucía organized in collaboration with the partners from Portugal and Luxembourg, a webinar on the Tuesday 12th of May from 17h30, to present the good practices and use cases selected by the European partners participating in the initiative, and to promote the current uses of Blockchain technology and the added value it can bring to the entities that use it.

Next you can find information about all the speakers from the seminar:



GOOD PRACTICES P2B WEBINAR

 Eric Koch Project Advisor Horizon 2020/Investment in Skills at the European Commission (BELGIUM)	 Marta Fernández Project Advisor at the Executive Agency for Small and Medium-sized Enterprises - RESMI (MALAGUA)	 Javier Lopez Vice-Chancellor of Business, Research and Digital Transformation of the University of Alcala (SPAIN)	 Sonia Palomo Deputy Director of Technology Transfer and Intervention Relations from the Technology Park of Alacant (SPAIN)	 Hugo Barros Entrepreneurship Technology Advisor at the University of Algarve (PORTUGAL)	 Olivier Zephi Business Advisor at XXXXXXXXXX (LUXEMBOURG)
 Rodrigo Rosán Assistant Professor of the University of Alcala (SPAIN)	 Marta Guardia General Manager of XXXXXXXXXX Blockchain Ecosystem (SPAIN)	 Soledad Diaz Managing Director in Association of Science and Technology Park of Spain - APTE (SPAIN)	 Francisco Luis Benitez Researcher at the Research Laboratory in Culture and Digital Society (Melilla, UDF) (SPAIN)	 Tuesday 12th of May 2020 From 17h30 to 19h30 in Google Meet	

 Co-funded by the Horizon 2020 programme of the European Union
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  technoport®
  40th ANNIVERSARY 1975-2019

Several articles were published in online newspaper:

- <https://www.europapress.es/andalucia/malaga-00356/noticia-proyecto-europeo-peers-to-blockchain-coordinado-pta-reune-webinar-casos-exito-tecnologia-20200512212534.html>
- <https://alastria.io/events/peers-to-blockchain-p2b-good-practices-webinar/>
- <https://www.vidaeconomica.com/2020/05/peers-blockchain-pta/>
- <https://www.innsitu.es/el-proyecto-europeo-peers-to-blockchain-coordinado-por-el-pta-reune-en-un-webinar-casos-de-exito-de-esta-tecnologia/>

The seminar counted with 34 participants.

Next some pictures of the event:

IV.VII. Social Medias

The social medias have been an essential part for the communication and promotion activities of the P2B project. Medias such as LinkedIn, Facebook or Twitter have been used frequently to disseminate the progress of the project and its results. See some examples next:

<https://www.linkedin.com/groups/12330657/>



Peers2blockchain

Peers to Blockchain European Project

Grupo publicado

Participa en la conversación con **1 profesional** de este grupo [Retirar la solicitud](#)

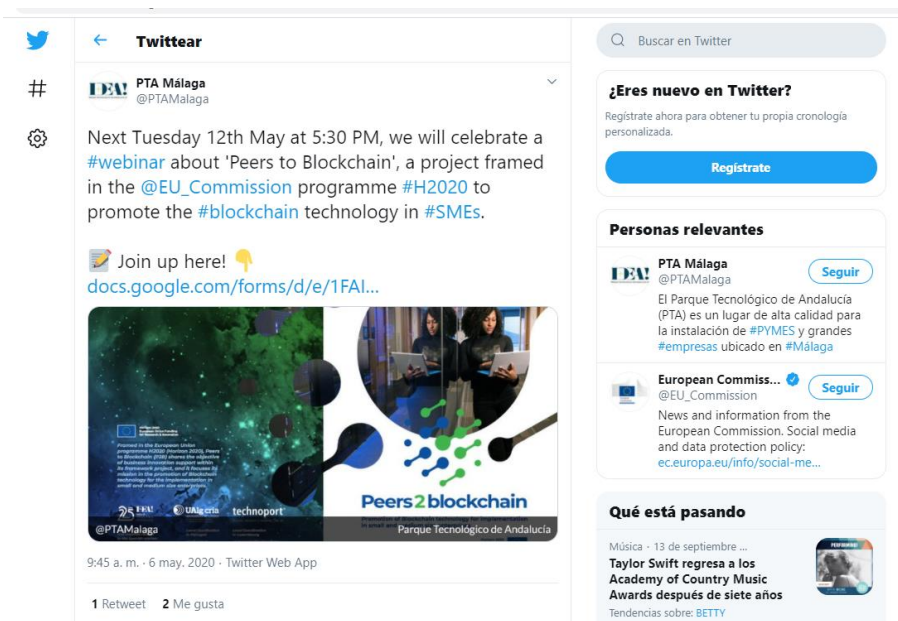
Acerca de este grupo

Approved in the EU Framework Programme for Research and Innovation H2020 (Innosup-5 call) Peers to Blockchain (P2B) shares the objective to support and improve business innovation, focusing on the promotion of Blockchain technology for its implementation in small and medium size enterprises.

Blockchain technology is destined to significantly transform business

[Ver más](#)

<https://twitter.com/PTAMalaga/status/1257939461817671681>




Twitter

PTA Málaga @PTAMalaga

Next Tuesday 12th May at 5:30 PM, we will celebrate a [#webinar](#) about 'Peers to Blockchain', a project framed in the @EU_Commission programme #H2020 to promote the [#blockchain](#) technology in [#SMEs](#).

Join up here! docs.google.com/forms/d/e/1FAI...



9:45 a. m. · 6 may. 2020 · Twitter Web App

1 Retweet 2 Me gusta

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Personas relevantes

PTA Málaga @PTAMalaga [Seguir](#)
El Parque Tecnológico de Andalucía (PTA) es un lugar de alta calidad para la instalación de [#PYMES](#) y grandes [#empresas](#) ubicado en [#Málaga](#)

European Commiss... @EU_Commission [Seguir](#)
News and information from the European Commission. Social media and data protection policy: ec.europa.eu/info/social-me...

Qué está pasando

Música · 13 de septiembre ...
Taylor Swift regresa a los Academy of Country Music Awards después de siete años
Tendencias sobre: [BETTY](#)

Retwitteado por ti

Ebba Lund @lund_ebba · 15 may.

Great to see #sciencepark & #incubator colleagues from @Technoport_Lux and Algarve this morning in #Malaga for their kick-off meeting of the "Peers to Blockchain" project hosted by @PTAMalaga #blockchain @EU_H2020 #BlockchainPTA

Traducir Tweet



4 11

PTA Málaga @PTAMalaga · 15 may.

The #PTA is hosting today the kick-off meeting of the 'Peers to Blockchain' Project, a program part of the @EU_H2020 to facilitate the implementation of #Blockchain by SMEs. #BlockchainPTA

Traducir Tweet



Technoport y a Universidade Algarve

1 2 3

Mostrar este hilo

PTA Málaga @PTAMalaga · 15 may.

Excelente antesala a la Conferencia Internacional #APTEBlockchainMalaga de mañana. El #PTA ejerce hoy de anfitrión en el lanzamiento del programa 'Peers to #Blockchain', un proyecto enmarcado en @EU_H2020 #EASME #BlockchainPTA

PTA Málaga @PTAMalaga
Coffee Break before the first working session of the 'Peers to #Blockchain' Project at the #PTA. #EASME #BlockchainPTA #PTAInternational

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1 6

PTA Málaga @PTAMalaga · 15 may.

Presentation of the 'Peers to #Blockchain' Project by @erickochbarneda, Project Advisor @EU_H2020 | Innovation in #SMEs at the @EU_Commission. #BlockchainPTA

Traducir Tweet



Mostrar este hilo

PTA Málaga @PTAMalaga · 15 may.

'Peers to Blockchain' ha iniciado su andadura en el #PTA. Coordinamos este proyecto europeo orientado a implementar la tecnología #Blockchain en las PYMES pta.es/es/noticia.cfm... #EASME Y mañana ... #APTEBlockchainMalaga #BlockchainPTA



APTE, IASP, Universidade Algarve y 5 más

1 6

PTA Málaga @PTAMalaga · 15 may.

Coffee Break before the first working session of the 'Peers to #Blockchain' Project at the #PTA. #EASME #BlockchainPTA #PTAInternational

Traducir Tweet



Universidade Algarve, Technoport, SciencePark Mjärdevi y 5 más

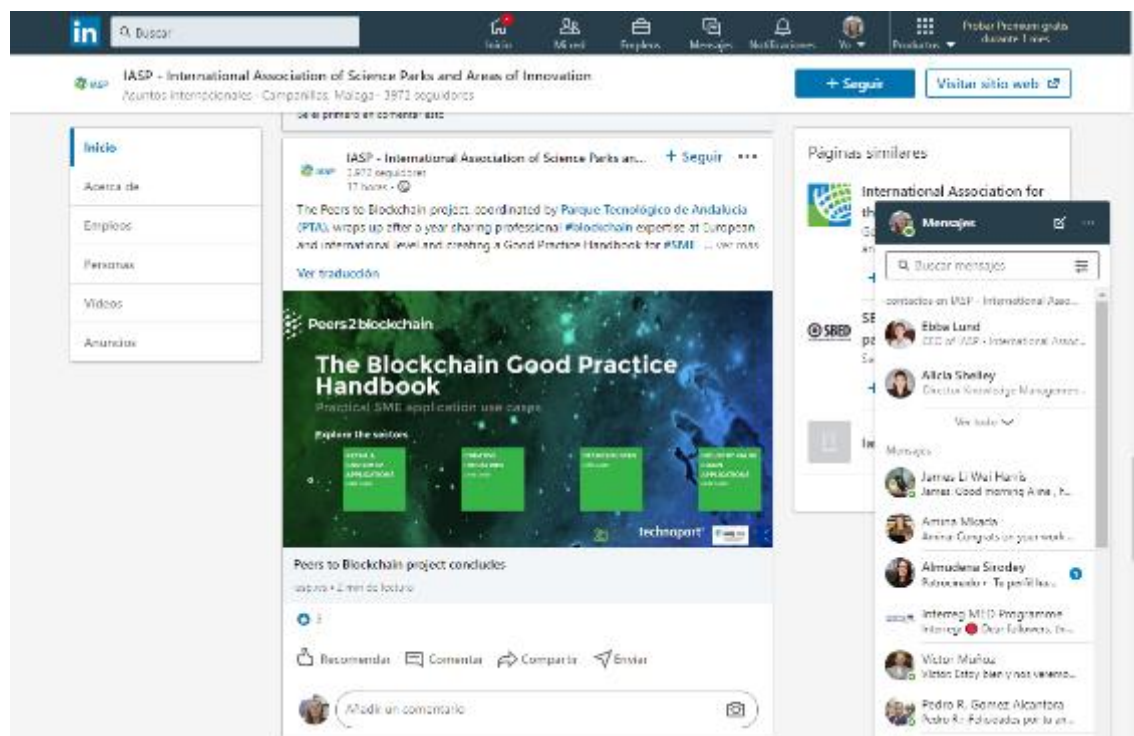
1

Mostrar este hilo

<https://www.linkedin.com/company/iasp---international-association-of-science-parks-and-areas-of-innovation/>

date: 15/07/2020

the International Association of Science Parks and Areas of Innovation published an article for the finalization of the project. The IASP counts with 3.972 followers in LinkedIn.



With link to the website of the IASP: <https://www.iasp.ws/activities/news/peers-to-blockchain-project-concludes>

IV.VIII. Synthesis of the communication activities performed

During the implementation of the P2B project, the following communication actions were executed:

	TOTAL
Design of the Plan for Information and Communication Measures	1
Design of the Plan for Capitalization of results	1
P2B Corporate Image Manual (including logo, templates, etc...)	1
Design of the flyer of the project	1
P2B Blockchain Good Practices Platform	1
Promotion Activities in national and international networks	9
Press Releases	
Online newspapers	11
Writing Press	2
Participation in national and international events	19

V- Main results

V.I. Good practices detected

During the action 1 (Analysis of the state of art) of the P2B project, more than 20 use cases and good practices in Blockchain were selected for the project within the fields of Public Administration, Retail & Customer Applications, Industry Value Chain Applications, Creative Industries and Distributed Ledger Technology (DLT) Resources, as described next:

PUBLIC ADMINISTRATION	RETAIL & CUSTOMER APPLICATIONS	INDUSTRY VALUE CHAIN APPLICATIONS	CREATIVE INDUSTRIES:	DLT RESOURCES
Blockchain4all (Izertis, Spain)	e-PARTICIPATION or CUSTOMER LOYALTY	AGRI-FOOD	GAMING	TRAINING
Luxembourg Public Sector Blockchain (Intech, Luxembourg)	Neural Distributed Ledgers (ByEvolution, Spain)	TRUST4OLIVE (University of Cordoba, Spain)	Baeond (Portugal)	APTEFORMA (APTE, Spain)
European Financial Transparency Gateway (Grand Thornton, Luxembourg)	CBET Blockchain network (Wearoft, Spain)	ShareBeef (University of Cordoba, Spain)	MUSIC	University Expert in Blockchain Technologies (University of Malaga, Spain)
	KMP – Kilometre Platform (Wearoft, Spain)	IBISA Network (Bit Valley, Luxembourg)		ANote Music (ANote Music SARL, Luxembourg)
	TOURISM	ENERGY		BLOCKCHAIN PLATFORMS
	Development of a direct distribution system for dynamic packages of touristic products based on Blockchain technology (Guadaltel, Spain)	Efichain (Magtel, Spain)		BLOCKPCT (APTE, Spain)
	PAYMENT GATEWAY	DIGITAL IDENTIFY		DIGITAL CURRENCY
	CryptAPI (Portugal)	ZKP project for third parties (Algorath, Spain)		Decred (Portugal)
	ICT (SOFTWARE, MARKETING)	INDUSTRY 4.0		
	Dengun (Portugal)	Euskate (Izertis, Spain)		
	Algadata (Portugal)			

V.II. Description of the good practices

INITIATIVE 1: EUSKATE: Blockchain based technologies for the industries

Generation of new knowledge based on the use and applicability of Blockchain technology in industry and in particular in Advanced Manufacturing. Development of a Blockchain platform for Industry 4.0 will be created, allowing the creation of prototypes in laboratory environments, validation, experimentation and analysis of new products and services that can offer added value to the companies.

Field(s) of application: Industry

INITIATIVE 2: EUSKATE: Blockchain4all

Blockchain platform including integration another set of projects that are part of Hyperledger Foundation, as well as an existing PKI and certification system (IZENPE). Also, it was created a learning environment through a didactic platform. The ultimate goal was to create a Blockchain platform that could be provided as a service for individuals or organizations perform their tests and validations, as well as for the production Blockchain projects of the institutions..

Field(s) of application: Public administration

INITIATIVE 3: Blockchain-based innovation network between Spanish Science and Technology Parks (BLOCKPCT)

This project consists of creating a private Blockchain network in Hyperledger, between all the science and technology parks that are APTE members, with the objective to return science and technology parks to the attractiveness they once had when they were the only place where companies could access the latest technologies. More than 8,000 companies in the parks will have the opportunity to access a reliable, safe and trustworthy environment (sandbox) where they can develop activities in Blockchain.

Field(s) of application: Smart contrat and Digital Identity

INITIATIVE 4: APTEFORMA

APTE's digital training classroom (APTEFORMA) provides online training to promote knowledge of disruptive technologies in the Spanish science and technology parks environment, among its more than 8,000 companies and 175,000 workers, in order to increase the competitiveness, professionalism and, ultimately, the digital talent of these professionals and the digital transformation of their companies Blockchain, Artificial Intelligence, Cybersecurity, Industry 4.0., Digital Transformation, Edge Computing, Smart Cities, Big Data, among others.

Field(s) of application: Training

INITIATIVE 5: ZKP project for third parties

The initiative use the Zero Knowledge Proof, part of blockchain technology, in order to validate data from users. Verifiers ask for some information of a client and only get access to that information, so clients maintain privacy of data, but they confirm required information.

Field(s) of application: Smart contrat and Digital Identity

INITIATIVE 6: Development of a direct distribution system for dynamic packages of touristic products based on Blockchain technology

The project allows the creation of dynamic packages of touristic products (Prototype) in order to face the hybridization revolution. At the same time, the distribution chain is exposed thus empowering those intermediaries that provide added value to the products and eliminating those that are unnecessary for the process. (Ethereum with the Parity client).

Field(s) of application: Tourism

INITIATIVE 7: Neural Distributed Ledgers

VoteKeeper is a dApp and process management system of an e-Participation model that can configure a tokenizable system of the actions and processes that citizens exercise in democratic environments as an opportunity to guarantee greater participation and thus manage more effective local democratic spaces. Is a Blockchain solution in e-Democracy platform with a new pattern of management amongst the agents that participate in the public sphere. In order to develop a sustainable, scalable and resilient e-Participation system, we use a new blockchain concept that organizes the blocks as a neural system.

Field(s) of application: Smart Contract, Digital Identity and Government

INITIATIVE 8: Efichain

The main objective of the project is to investigate the feasibility of applying novel distributed registration/blockchain technologies in real market applications for individuals and companies aimed at positive influence on citizens' behaviour from promoting their energy efficiency. To achieve this Efichain develops an integrated collaborative system based on blockchain relationship between the different participants. In addition, the system will revert in a Social Project that provides energy to disadvantaged groups.

Field(s) of application: Smart Contract, Energy and Internet-of-Things (IoT)

INITIATIVE 9: CBET Blockchain network

Creation of an Ethereum private Blockchain network implementing a new rewards mechanism for customers, generating more engagement and longer times on platform in an Online Casino.

This initiative generates more engagement over the same user's base they already had. Customers get CBET coins (from the blockchain). The holders of these coins would earn a monthly reward in milibitcoins (mBTC). Customers checking their balance spend more time on the platform.

Field(s) of application: Smart Contract, Energy and Internet-of-Things (IoT)

INITIATIVE 10: KMP – Kilometre Platform

Creation of a Blockchain Platform to manage a Bus Transport company's tokens (similar to a Loyalty Program). Users buying a ticket receive the same distance (in km) in tokens. These tokens can then be exchanged for other free tickets or discounts.

Field(s) of application: Smart Contract

INITIATIVE 11: DigitalAgri Máster

Creation of a Blockchain Platform to manage a Bus Transport company's tokens (similar to a Loyalty Program). Users buying a ticket receive the same distance (in km) in tokens. These tokens can then be exchanged for other free tickets or discounts.

Field(s) of application: Training

INITIATIVE 12: TRUST4OLIVE

System for monitoring traceability of olive oil supply chain using blockchain is developed and tested. The olive oil supply chain has been described in deep from farm to fork for the Almazaras de la Subbética case.

Field(s) of application: Industry Value Chain Applications, Agro-food

INITIATIVE 13: ShareBeef

Creation of shared value in the beef cattle supply chain by means of data sharing along the different stages, taking account of consumer values (grass-fed meat and animal welfare and others). This demonstrative project will deal with IoT sensor data to feed the blockchain infrastructure. In terms of traceability, it will take advantage of the mandatory individual identification of each animal for beef cattle.

Field(s) of application: Industry Value Chain Applications, Agro-food

INITIATIVE 14: IBISA Network

IBISA means Inclusive Blockchain Risk Sharing using Space Assets. It is a decentralized marketplace that enables smallholder farmers to share crop loss risk globally, with low costs, fast assessment and payment, and no need to file a claim.

Field(s) of application: Industry Value Chain Applications, Agro-food

INITIATIVE 15: ANote Music

ANote Music operates an exchange for music rights. As a new player in this field which requires a high level of trust from the users, ANote chose to prove mathematically to its customers that it operates according to its statement. This is done by registering on a blockchain all orders (buy/sell) from users on the blockchain, thanks to a ZKP that ANote server cannot forge. In the end, this allows any third party to rewind the history of transactions and make sure that the ANote state is indeed what it should be.

Field(s) of application: Creative Industries, Music

INITIATIVE 16: European Financial Transparency Gateway

In order to promote cross-border investment and provide investors with easy access to regulated financial information of companies listed on the European Union's (EU) regulated markets, the European Commission (EC) is developing a platform that offers a single view for such information currently stored within different Member States' infrastructures. Following a successful Proof of Concept (PoC) using Blockchain technology, the EC is launching the European Financial Transparency Gateway (EFTG) Pilot Project within the framework of the Capital Market Union and the legal obligations of the Directive 2013/50/EC.

Field(s) of application: Public Administration

INITIATIVE 17: Luxembourg Public Sector Blockchain

Government IT Centre (Centre des technologies de l'information de l'Etat - CTIE) and S.I.G.I. (Syndicat Intercommunal de Gestion informatique) are implementing a decentralized platform to streamline and secure flows of information between the various actors of the public sector.

Field(s) of application: Public Administration

INITIATIVE 18: BAEOND

Baeond is a crypto card game with on-chain governance. Players determine the future of the game, and its rules rely on player consensus achieved by a distributed ledger. On-Chain governance powered by play ensures the creative and economic forces of Baeond remain divorced from one another.

Baeond replaces shooter gameplay with a card game while retaining the hobbyistic nature of looter games that incentivize players to finish collections, complete challenges, creatively customize their avatars, and discover new unique lines of play. Players play matches to earn loot to upgrade their cards, which are tradable on an open market, just like a paper card.

Field(s) of application: Creative Industries, Gaming

INITIATIVE 19: CryptAPI

Easy to use, secure and privacy-oriented payment gateway that gives more choices to customers, by accepting payments in multiple cryptocurrencies, including Bitcoin, Bitcoin Cash, Litecoin, Ethereum, Monero, USDT and IOTA (more coming soon).

Field(s) of application: Retail & Customer Applications

INITIATIVE 20: Decentralized CREDITS (deCRED)

Decred is a multi-platform digital currency with support for Windows, macOS, and Linux. Easy-to-use wallet apps enable sending, receiving, and mining Decred with just a few clicks. For those who like to tinker, Decred provides a full suite of command line tools allowing customization of the Decred experience. Decred employs a combination of PoW and PoS to yield the best of both systems, mitigate their weaknesses, and deliver a layered consensus mechanism that makes it far more secure than other cryptocurrencies. Decred uses conventional PoW with a BLAKE-256 hash algorithm, and it is mined exclusively by ASICs. Decred holders time-lock their funds to purchase tickets in a lottery. Those tickets are added to a pool of roughly 41,000 tickets, and five tickets are pseudorandomly selected to validate the Proof-of-Work for the previous block. If at least 50% of the tickets approve the work of the miner, the miner's reward is approved and the block is added to the blockchain.

Field(s) of application: Digital Currency

INITIATIVE 21: DENGUN

Dengun is a Digital Agency located in the Algarve, Portugal, specialized in the design and development of web and mobile applications and integrated marketing strategies. In the scope of digital consultancy, the company acts in accordance with a general diagnosis of the potential client's digital footprint, translated into an assessment of needs, and then materialized in a work proposal based on specific models and tools to achieve the objective. The team builds and maintains the technology that powers the proposed solutions and allows the frontend and mobile applications to communicate with the databases and to be managed through a state-of-the-art instrument panel. On this sense, and towards the goals of each client, the company develops solutions based on Blockchain technology, increasing security and traceability.

Field(s) of application: ICT (software, marketing)

INITIATIVE 22: Málaga University Expert Course in Blockchain Technologies

The second edition of the program University Expert in Blockchain Technologies of the University of Malaga, pioneer in this field in Andalusia, will begin in January 2020. The overall objective of the degree is to provide a solid knowledge base for the training of professionals in Blockchain technologies, with teachers from Oracle, Telefónica and NuCypher companies, who will show the use of their own platforms, in addition to Accenture and The Workshop, which will show real cases of Blockchain use.

Field(s) of application: Training

V.III. P2B online Platform

Initially, the project foreseen the design of a Blockchain Good Practice Handbook classified by type of initiative (Action 2). For the dissemination and the capitalization of the good practices and use cases obtained during the Action 1, the partnership decided to go beyond that and to create and make available an online platform, using their own resources, where each good practice can be seen and promoted, with possibility to contact directly the persons in charge of the initiatives.

Link: <https://peers2blockchain.eu/>





Based on the previous analysis and the good practices and use cases selected, the online platform was structured as follows:

- 1- Public Administration
- 2- Retail & Customer Applications
- 3- Industry Value Chain Applications
- 4- Creative Industries
- 5- DLT Resources
- 6- Other

VI- Updates and follow-up in each country

The partners of the P2B worked on concrete activities during the project to facilitate the transfer and capitalization of the results of the peer learnings by national and regional innovation support programmes in each participating region, namely Luxembourg, Portugal and Spain.

PORTUGAL

The region of Algarve has one public university, overspecialized economy in term of tourism, which at this moment is particularly affected due to the COVID-19 situation, in term of unemployment, with a large impact on the economy. The strengths of the region in term of smart specialization has always been to focus on tourism. It's in fact the key factor, as it represents 74% of the regional GDP, but the strategic actors of the region are fostering actually as much as possible other areas such as ICT, sea, energy, agri-food, etc... Indeed, the idea has been to consider the creation of a Smart Destination Hub to consolidate this strategy. The region has a lot of companies and developers that come to work remotely, to retain this critical mass and to attract international companies in the ICT sector.

Technological Park of the Algarve

The public presentation of the Technological Park of the Algarve was held on May 4, 2020 at the campus of the University of Algarve, in Portugal. The Algarve Tech Park aims to be a focus of attraction for regional, national and Internacional companies, aligned with the Regional Development Strategy of the Algarve (RIS3), and with the objectives proposed by the Managing Authority (CCDR Algarve). The Tech Park, launched and managed by the University of Algarve, seeks to attract a significant number of innovative companies with research and development strategy, willing to develop a privileged relationship with the University and with the main regional stakeholders, aiming to grow their business, particularly to external markets.

The Technological Park is an output of INTRA, integrated in the Action Plan for Portugal, aiming to benefit SMEs in overcoming their internationalisation challenges and barriers, and increasing cooperation among the stakeholders. This work developed in Phase 1 of INTRA, formalized in the regional Action plans, is scheduled to be implemented and monitored in Phase 2.

Collaboration with local and regional governments

Together with local and regional governments such as the Algarve Regional Development and Coordination Commission (CCDR Algarve), which is the entity that manage the regional funds, the University of Algarve has been working together to analyse how they can intermediate international funds like Horizon 2020, Horizon Europe to learn from others and

then have the necessary financial tools in term of operation programs to support any company who wants to develop that. When the University of Algarve started to work with the ICT sector with the companies, they developed a matrix with them: what is ICT, what can be developed, they tried to understand what competences does the University have, what the companies want, and then they had to match where those things fit, because sometimes companies have necessities that the University cannot supply, and sometimes the University want to investigate of topics which are not relevant for companies. When they performed this analysis, a couple of things came up such as interests in IoT, virtual reality, Blockchain, security among others. When it came up to Blockchain, there is a trending the University and the region understood that had to be followed, but they lack critical mass and knowledge about this. So that's exactly how the University of Algarve started working in this field with the Spanish partners from the Technology Park of Andalusia, and Technoport from Luxembourg, to learn more about the technology Blockchain and to develop this technology in Algarve. This learning is the basis of a future development of new initiatives at operational level for specific projects and specific products that could be sold, and also in term of Horizon Europe in term of what else can we learn, what else can be developed, and this is something that the University of Algarve is been developing together with the companies and with the regional government. In this sense, the Techpark has been funded by regional funds and what the University of Algarve is doing with the operational programs is to follow this strategy, attracting companies, developing R&D activities and getting more critical mass, and meanwhile to continue to work with international partners to keep developing these exchanges of best practices in the field of Blockchain.

With the P2B project, the University of Algarve is completely in line with the strategy of the regional government, they continue to carry on this kind of programs to access and transfer knowledge needed in the region in order to increase the regional ecosystem.

Regional structural funds play an important role too. Indeed, with the realization of European projects, the University of Algarve can learn and identify practices, transfer them, and develop actions, and more specifically with the P2B project, the University of Algarve is been transferring best Blockchain practices and use cases to the companies of the ecosystem that will use this knowledge to develop their own products. In order to develop that, these companies will probably go to regional funds, which support R&D activities.

LUXEMBOURG

Most of the industries applications in Luxembourg are addressing regulations technologies, such as the company GCL Technologies, word wide producer of cups which is hosted by the incubator of the Technoport and who got in touch with a start-up managing Blockchain technologies to develop together a track and tray system in logistics with Blockchain technology. A local innovation fund support body called LUXINNOVATION, which is also the national contact point for structural fund is aware about the P2B project, and in this sense, is pushing strategic players to apply for national research funds, and also try to see for further structural fund projects in the field of logistic.

Application cases has been now developed as well in the **space technology industry**. Luxembourg is investing currently quite much within that industry and they are currently

structural funds under consideration for the trace of satellites, communication, and, making applications of Blockchain.

Indeed, there is an awareness regarding Blockchain applications in Luxembourg. But one of the steps that still need to be done, and that Technoport started with the P2B Blockchain Good Practices platform, is how to currently customize Blockchain applications for specific industries application use cases. Technoport applied locally on a regulation technology for logistic applications, management applications use cases, among others.

Apart for these two categories, there are also specific applications, when you apply Blockchain for following music rights, or in general funk industry. The different specificities of the application knowledge must be collected wisely, and the knowledge has to be correctly labelled within the industry players. Does the knowledge belong to the university players or to the research players? This is the actual tendance in Luxembourg, that Technoport detected. The Technopolis from Luxembourg has a centre of R&D knowledge, focusing on application use cases. There are inspirations to applying future structural funds in Luxembourg.

SPAIN

Joint International Strategy Group

The Technology Park of Andalucia, which is one of the entities attached to the Regional Government of Andalucia is coordinating a Joint International Strategy Group whose aim is to combine international development strategies as well as the implementation of projects at global level and the search for joint actions for the development of an international strategy with vision of medium and long term. The group is formed by the main representatives of the principal institutions of the city of Malaga, which include Chamber of Commerce, City council, Entrepreneur Confederations, European Business and Innovation Centre, several public entities from the city, ICEX Spain delegation export and investments from the national Government, the Regional Government of Andalusia and the University of Málaga.

PTA: Digital Innovation Hub

The Digital Business Action Plan (PAED) is the roadmap of the Andalusian Ministry of Employment, Enterprise and Trade to promote the digital transformation of Andalusian SMEs and their incorporation into the Digital Economy. It is one of the first actions launched to develop the Strategy to Promote the ICT Sector Andalusia 2020 (TIC2020). It is framed within the Axis of Incorporation of the TIC to other productive sectors, in the Program of Stimulation of the technological demand. The aim of this initiative is to promote the adaptation of companies to the changes imposed by the new digital environment, as a means of ensuring their competitiveness and long-term economic growth. To this end, it is considered essential to bring technological solutions, especially those developed by companies in the Andalusian ICT sector, to other productive sectors that have a low level of digitalisation, as well as to encourage the establishment of an innovation culture in companies that will contribute to the development

and strengthening of new business models. The Strategy to boost the ICT sector Andalusia 2020 (TIC 2020) has the following objectives:

- Increase the contribution of the ICT sector to the Andalusian GDP.
- Increase ICT employment.
- Improve the competitiveness of the Andalusian ICT sector.
- Stimulate innovation in the Andalusian ICT sector.
- Encourage the opening of the ICT sector to new markets.
- Contribute to the development of the Digital Economy in Andalusia.
- Improve the conditions of the development context of the Andalusian ICT sector.

To achieve these objectives, the following strategic axes are established:

- Human capital management
- Promotion of Entrepreneurship
- Innovation and technological specialization
- New markets and investment attraction
- Improvement of business management
- Vertebration of the ICT sector
- Incorporation of ICT to other productive sectors
- Business financing
- Tractor and dynamizing administration

In this context, and in line with this strategy and its objectives, the PTA, as official Digital Innovation Hub, has a relevant part of the innovation ecosystem of the region, focused mainly in ICT sector.

European Digital Innovation Hubs

Actually, the Spanish Technopolis is preparing a proposal of project together with the University of Algarve, in the framework of the Digital Europe Program for European Digital Innovation Hubs, to create a joint Digital Innovation Hub between Andalusia and Algarve. Indeed, European Digital Innovation Hubs (EDIH) will play a central role in the Digital Europe Programme to stimulate the broad uptake of Artificial Intelligence, High Performance

Computing (HPC) and Cybersecurity as well as other digital technologies by industry (in particular SMEs and midcaps) and public sector organisations in Europe.

EDIHs could serve local and regional public administrations and other public sector organisations that aspire to use the Transformation Platform Ecosystem, to be compliant with the Principles of the Tallinn declaration on E-Government⁶. Furthermore, EDIHs could help public administrations to use other agreed standards and open source solutions, access government platforms or shared infrastructures (offered on the European or MS level), experiment with Artificial Intelligence and Blockchain for real-time policy-making (e.g. traffic optimisation), or help public administrations improve their cybersecurity. In this context, EDIHs could in particular assist public authorities/buyers to fully use the potential of procuring innovation, and bring them into contact with companies that are ready to supply the necessary digital technology solutions ('technology providers'), stimulating further the development of the local ecosystem.

VII- Guideline for the implementation of Blockchain in the ecosystems

VI.I. Concept

Blockchain technology is a relatively new concept that could disrupt ordinary business practices. By providing companies the ability to access new alternative financing options, to offer secure data storing solutions, making processes more transparent, less risky and cheaper, it can streamline operations and reduce costs, while opening up new opportunities and markets.

Peers2Blockchain (P2B) is an EU initiative undertaken by the Andalusia Technology Park (Spain), in collaboration with the University of Algarve (Portugal) and Technoport SA (Luxembourg) to provide small and medium-sized enterprises (SMEs) with professional expertise on the field. P2B is based on an initiative from the Technology Park of Andalucía and the International Association of Science Parks.

Blockchain is a peer-to-peer system, as it is a network of interconnected computers that communicate with each other, which confirms the relevance for presenting this proposal to the current call.

With collaborative partners across 12 different countries, the goal is to study pilot projects and good practices at local level, proposing new methodologies to enhance SME innovation, and transfer know-how to significantly promote blockchain technology at a local level.

VI.II. National Blockchain Workgroups

The concept and approach of the P2B is based on the fact that less than 50% of small start-ups succeed the 5-year mark, and that an even smaller percentage grows into the large organizations that stand at the forefront of innovation. SMEs around the globe face similar problems, which includes limited managerial expertise, disproportionate regulatory requirements, and productivity issues, lack of clear business strategies and ineffective strategy execution and lack of funding.

Small and medium-sized companies represent most of the business structure in many countries, generating innovative processes, higher productivity and employment. SMEs are relevant players in the innovation system, promoting growth and job creation, necessary to revive the economy. Hence, P2B aims to reach SMEs that execute a product validated by market and that have the challenge to stay competitive trough time. Complementary, the project aims to decrease the start-ups failure rate, supporting product validation, both at a B2B and B2C strategy.

According with this diagnostic, it's crucial to address adequately the real needs detected of the SMEs' and to develop strategic methodologies for this purpose at national and international level which can be effectively implemented.

Innovation in technology helps companies to come up with new ideas, reach a wider audience, use special tools for organizing and managing work, but above all, to create a better product which makes customer happy, satisfied, and enhances their daily life.

Therefore, each participating partner aggregated critical regional and/or national stakeholders towards a joint contribution, participating in all events organized at local, regional and international level. The partners impuled the establishment of cooperation activities and the implementation of partnerships with public and private institutions to capitalize and promote the results of the project.

Hence, **ACTION 3** was designed towards the **implementation of strategy to promote the creation of synergies, and collaboration between the actors involved in the project.**

Under the coordination of partner 3 – University of Algarve, Action 3 identified regional and/or national networks of relevant stakeholders, aggregating technical and institutional skills directed to support SME's and entrepreneurs in the innovation process.

The proposed model suggests the creation of workgroups in each participating region, namely:

Workgroups with SME's and Large Companies

The goal is to aggregate a Blockchain workgroup, develop to identify and foster the implementation of Blockchain solutions in SME's and large companies, mapping and disseminating best practices, able to be transferred and implemented at a regional/national level. This workgroup should be composed by micro, small, medium and large companies, under the coordination of a P2B partner, identifying technical demands, able to be solved by Blockchain technology, and exchanging good practices.

Workgroups with stakeholders and support agencies

The goal is to aggregate a Blockchain workgroup, develop to identify and foster the implementation of Blockchain solutions in SME's and large companies, mapping and disseminating best practices, able to be transferred and implemented at a regional/national level. This workgroup should be composed by development agencies, incubators, accelerators and science parks, municipalities and other support agencies, under the coordination of a P2B partner, identifying and disseminating good practices.

Workgroups with Universities and Research Centres

The goal is to aggregate a Blockchain workgroup, develop to identify foster the implementation of Blockchain solutions in SME's and large companies, mapping and disseminating best practices, able to be transferred and implemented at a regional/national level. This workgroup should be composed by Universities, Research Centres, and Technology Transfer Offices, under the coordination of a P2B partner, identifying and disseminating good practices, as well as promoting research and knowledge transfer actions to the private sector.

Given the existence of potentially heterogeneous realities at a national level, particularly among the partners of P2B project, the aggregation of relevant players under the scope of the workgroups can be different, whenever justified.