

EU – South MED Cluster Matchmaking Event & #TechDays

In the context of the 7th EU-Africa Business
Forum

Organised by the **European Cluster Collaboration Platform (ECCP)**

in cooperation with **THE NEXT SOCIETY**

Date: 26th – 27th October 2020

The event will be fully held virtually

Expression of Interest Questionnaire

Deadline: 21 September 2020 (23h59 CEST)

Focus areas:

Agriculture and Food Industry
Creative Industries and Tourism
Digital Solutions
Sustainable Energy and Greentech
Transport and Mobility

www.clustercollaboration.eu

1. Cluster profile

All fields are mandatory. All the personal data provided will be processed in accordance with Regulation (EU) No 2018/1725 on the protection of individuals with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data.

Full name of the Cluster Organisation:

Cluster "Information and
Communication Technologies –
Blagoevgrad"

City:

Sofia

Country:

Bulgaria

Street:

Tsar Asen Street

Postal Code:

1000

Website:

ict-cluster.eu

General E-mail Address:

ictklusterbl@gmail.com

Contact Person (first and last name):

Borislav Deliverski

Telephone:

Mobile Phone:

+359 878 150 170

**Position/Title in the Cluster
Organisation:**

Chairman of the Management Board

E-mail Contact Person:

bdeliverski@gmail.com

Cluster established in (year):

December 2016

Sector(s) of Activity (in short):

Information, bio and communication technologies, green technologies and renewable energy sources, pharmacy

2. Membership/Labels

Are you registered on the European Cluster Collaboration Platform (ECCP) with a complete profile?
(<http://www.clustercollaboration.eu/>)

Yes

No

Please provide the web link to your ECCP profile:

<https://www.clustercollaboration.eu/cluster-organisations/ict-cluster-blagoevgrad>

This is mandatory for the validation of your participation in the matchmaking event

Are you a Consortium Partner of a European Strategic Cluster Partnership (ESCP)?

Yes , name of the ESCP:

No

Are you a certified cluster organisation by the European Cluster Excellence Initiative (ECEI)?

• Bronze

Yes

No

Planned

• Gold

Yes

No

Planned

• Other:

Yes If YES, please specify (max. 150 characters)

No

3. Your needs and wishes

We would like to gather your needs and wishes to fine-tune the programme; please kindly fill the questions below.

Please explain why your cluster organisation is explicitly interested in participating in this event. What are your participation objectives? Please explain how your members – SMEs, companies and research actors – would specifically benefit from this. (max. 1/2 page)

What do we expect?

Development, identification, promotion and exchange of good practices;

Foundation, development and implementation of modules and tools for education and training in the field of green energy;

Opportunities for development, transfer and /or realization of innovative products and/or for participation in intensive activities for distribution and use of existing or new products, or of innovative ideas in various fields

Cooperation partnerships would encourage the creation and development of European networks in the IT sector. This has allowed the EU to provide opportunities for closer cooperation between stakeholders, which would not exist without EU action. We expect cooperation partnerships to also promote synergies with and between local, regional, national and international policies in order to stimulate new technologies and overcome the challenges related to research and their application.

Please explain what kind of partnerships your cluster organisation is looking for or offering in the context of this event? (max. 1/2 page)

Where do we see our position?

1. Transnational cooperation in the field of IT technologies;

2. Public-private partnerships for an eco friendly environment

3. Joint Venture in the field of Industry 4.0

4. Cluster networks for exchange of experience, knowledge and good practices

Has your cluster organisation already had contact or pursued a partnership with clusters from South MED countries in general?

Yes

No

If YES, please specify (max. 1/2 page)

Which are the sectors you are interested in collaborating? (Please tick any that apply. For cross-sectoral activities, please specify below)

Agriculture and Food Industry

Creative Industries and Tourism

Digital Solutions

Sustainable Energy and Greentech

Transport and Mobility

Other (please specify):

Cross-sectoral activity including the following sectors:

SMEs may have an opportunity to participate in the event. Would you like to suggest two SMEs that would be interested in the event?

Yes No

If YES, please specify:

SME 1:

- Affiliated SME name: **Programmer JSC**
- Website: **programista.pro**
- Year established: **February 2016**
- Sector: **Information, bio and communication technologies**
- Contact person: **Dimirar Nachkov**
- Contact email: **dimitar.nachkov@primeholding.com**
- Contact phone number: **+359 888 351 515**

SME 2:

- Affiliated SME name: **Tumba Solutions Ltd.**
- Website: **innovationcenter.academy**
- Year established: **2014**
- Sector: **Information and communication technologies**
- Contact person: **Ivelina Abadjieva**
- Contact email: **iva@innovationcenter.tech**
- Contact phone number: **+359 877 000 777**

4. Background information of interest

How many members (including SMEs) does your cluster encompass?

25

Please explain your cluster focus (max. 1/2 page):

"Information and Communication Technologies Cluster – Blagoevgrad" is a national structure of small, medium and large enterprises, as well as start up organizations for

research and dissemination of scientific knowledge (Bulgarian Academy of Sciences and Universities), municipality, NGOs. The total number of members at the current moment is 22. The Cluster was established in order to stimulate innovation through promotion, sharing the use of facilities and exchange of knowledge and experience, effective contribution to knowledge transfer, networking, dissemination of information and cooperation between enterprises and other organizations in the organization.

The activity of the "Information and Communication Technologies Cluster - Blagoevgrad" is mainly in the sector of information, bio and communication technologies and is focused primarily on data analysis and the creation of innovative models, products and services with high added value, which require development and implementation of Artificial Intelligence (AI) systems, Machine Learning (ML) and Deep Learning (DL). Once into operation, these products, developed with the help of the above-mentioned technologies, help to optimize processes, increase the quality of products and reduce costs.

In the short term plan this specialized business research services of the Cluster are related to the development of Multidimensional Simulation Platform (InSilicaLab Project) for drug delivery in the human body and related algorithms for optimal alignment of sequences to genomic graphics. InSilicaLab Project is a platform based on the integration of machine learning and technological algorithms with well-known models at the level of pharmacokinetics and pharmacodynamics. The main goal of this platform is to enable faster model development, more accurate forecasting and higher scalability of the processes taking place in the delivery of drugs in the human body.

In the medium term plan, the Cluster plans to develop business research services related to various research in the field of general, applied and infectious microbiology, virology and immunology, which will contribute to specific benefits to society in national and global science.

In the long term plan, the Cluster foresees development of specialized models with the help of Artificial Intelligence (AI), Machine Learning (ML) and Neural Networks (Deep Learning - DL), to build integrated systems for collection, modeling and analysis of industrial data. This will be achieved through a cluster model of highly scalable software mechanisms and tools designed to build integrated systems for collection, modeling and analysis of industrial data by monitoring computer networks of institutional users in large organizational structures.

The administrative body of the "Information and Communication Technologies Cluster - Blagoevgrad" consists of 8 experts, whose main tasks are to ensure higher efficiency and coordination in cluster activities, as well as their participation in the creation of the products described above.

Please summarise the key activities of your cluster organisation (max. 1/2 page):

Below the technological niches are described where the members of the Cluster have accumulated significant know-how as a result of joint work in the field of information and communication technologies for relevant clients and partners: 1) "Monitoring, diagnostics and remote control of large computer and production networks with over a million elements included (Clients: SevOne, Optanix, AppNeta); 2) "Blockchain - development of electronic platforms for management and trading of real estate, shares, stocks and cryptocurrencies (Clients: Lykke, Smart Valor, Aidonic)"; 3) "Fintech - development of platforms for payment and invoicing; insurance platforms; stock trading platforms; debt management instruments; loyalty programs (Clients: Experian, NowCerts, Vanguard)"; 4) "Educational platform for virtual education and training (client: Jigsaw Interactive)"; 5) "Application development and customer integration with the Salesforce platform"

Together with researchers from the Bulgarian Academy of Sciences Institutes (IICT, IMI, Telematics Laboratory) and universities, "Information and Communication Technologies Cluster – Blagoevgrad" develops a Web-based service related to activities automation with optimal allocation of resources. After in-depth research and analysis, a joint project (ICT Cluster - Blagoevgrad and the above-mentioned institutes of BAS) was developed, related to the creation of an information system for on-line realization of optimal distribution of material and financial resources in business organizations. The project develops functional modules designed for application in an information system that provides an information service in which complex data processing is performed to optimize the allocation of resources (material, financial, human) of business organizations.

Please summarise your cluster organisation's previous international activities (max. 1 page, for instance targeted countries, ongoing partnership with other clusters, etc.)

The international activity of the Cluster "Information, Bio and Communication Technologies – Blagoevgrad" consists in continuing cluster relationships with „EcoPlus Cluster“ – Austria, „Business Upper“ – Austria, „Flanders Make“ – Belgium, „EARTO - European Association of Research and Technology Organisations Flanders Business School“ – Belgium, „Dictefer“ – Italy, „CAAR Aragon Automotive Cluster“ – Spain, „Mobinov“ – Portugal, „DIMECC“ – Finland, „Paper Province“ – Sweden and „Italbiotech“ – Italy.

Please submit the Expression of Interest including this questionnaire by **21 September 2020 (23h59 CEST)** to: Mark Spinoglio and Daniela Coutinho at EUmatchmaking@clustercollaboration.eu

Thank you for your interest!