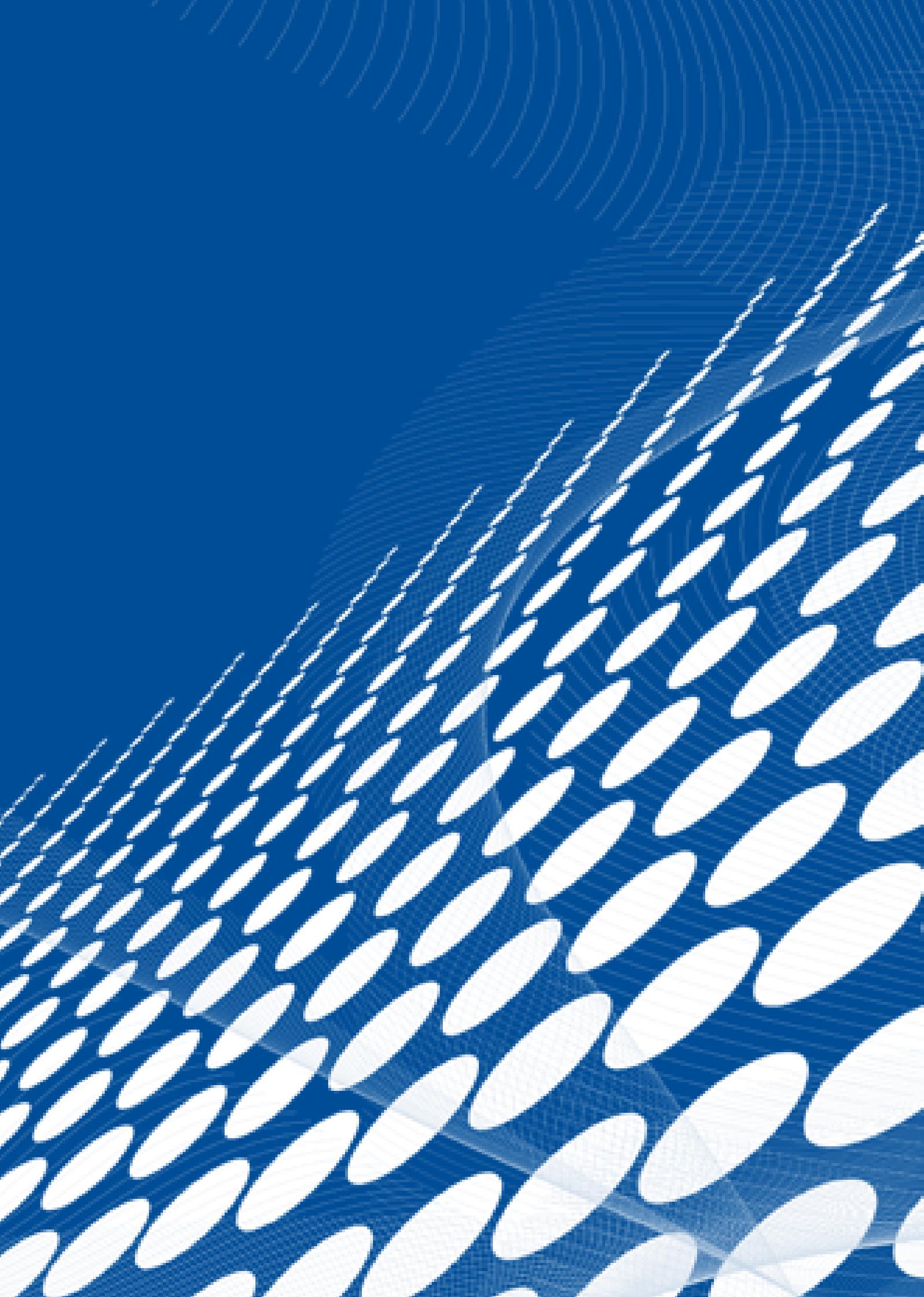


Hungarian Accredited Clusters involved in Achieving Cluster Excellence project



MINISTRY
FOR NATIONAL ECONOMY





Foreword

A decisive step in the changing of the world economy during the past decades has been the appearance of network economies and enterprise co-operation. Network members realised that they can massively benefit from co-operations, significant profit growth can be reached by economies of scale realised by sharing of capacities, networking flexibility and sharing of expenditures.

Establishment and effective operation of network-co-operations and clusters are of utmost importance, especially for SMEs, as a vast majority of them is unable to enter the extra-regional or the international market individually, however, having formed network co-operations they have a better chance to enter the global arena.

It is true that in comparison with Western-European countries, Hungarian cluster development has not got such a rich history yet, nevertheless, it can already be

stated that the last decade has seen a major improvement in clustering and cluster developments. Following the appearance of the New Széchenyi Plan, the cluster accreditation system which had been operating since 2008, witnessed a major change. The goal of the Accredited Cluster tender is to select network co-operations which have a decisive employment impact, exhibit intensive export and innovation performance and are able to implement development projects, as well as to reach outstanding performance in a regional scenario.

Currently 34 Accredited Clusters operate in Hungary, which bring together almost 1300 members employing 117 000 people. Their aggregate turnover exceeds EUR 30.5 billion, with a quarter coming from their export activities. These clusters have undergone an excessively strict accreditation process to obtain their certification. Majority of these clusters simultaneously host universities, research institutions, large enterprises, as well as micro and small enterprises with strong innovation and high growth potential.

During the past programming period, these closely co-operating economic actors have implemented 863 R&D&I projects with a total expenditure of EUR 690 million, and by doing so, they have successfully motivated co-operation among the representatives of the research, large enterprise and national SME sector. Given their unique characteristics and composition, the innovation clusters could significantly contribute to promoting efficient knowledge and technology transfer co-operations, as well as to extending the start-up eco-system through these joint projects.

This publication introduces the 34 Accredited Clusters, which were involved in the ACE project. They operate in the health industry, IT, biotechnology, energetics, construction, wood industry, machine industry and environment industry.

I trust the clusters introduced in the publication will serve as good examples for both national and international co-operation, and will further amplify the role of network economy.

Tamás Karsai
Head of Managing Authority

MAG



SZÉCHENYI TERV

Akkreditált Innovációs Klaszterek

Ministry of Human Resources Management
and Labour Relations



A projekt az Európai Unió támogatásával valósult meg.





Project summary

The **ACE-Achieving Cluster Excellence** project was launched in January 2014 with the aim to increase the level of excellence in cluster management in the member countries, regions of the project consortium and to shape a pool of experts coming from local policy making organizations. ACE is co-funded by the European Commission under the CIP Programme (Competitiveness and Innovation Framework Programme).

The project makes use of methodologies and tools developed by the **European Cluster Excellence Initiative (ECEI)**, which is instrumental in promoting cluster management as a key element of the EU strategy aimed at developing more world-class clusters in the EU. Today, more than 650 cluster organisations from 36 countries have benchmarked their cluster management performance using the ECEI methodology and at the same time about 40 cluster instructors have been trained on how to improve the management skills of cluster managers.

The ACE project collaborates with two independent organisations which have been established in 2013 to follow up the work undertaken by **European Cluster Excellence Initiative**. The **European Secretariat for Cluster Analysis (ESCA)** is mandated to train, benchmark and award the quality label to cluster management organizations in Europe whereas the **European Foundation for Cluster Excellence (EFCE)** is responsible for producing high level training materials. Both organisations have been involved in a number of specific CIP activities on cluster excellence implemented through two CIP calls for proposals.

THE FOCUS OF THE ACE PROJECT:

- **Running training activities provided by ESCA and EFCE** with the aim of preparing local experts to be entitled to conduct cluster benchmarking interviews and to assist cluster managers in improving their management skills and their services. Such experts will then be able to act not only locally but also in other countries/regions, thus contributing to multiplying the results of the ECE Initiative.
- **Involving a wide number of cluster organizations** in order to make them aware about the key features of cluster excellence in Europe, assess them using the ESCA benchmarking methodology, motivate them to join the European Cluster Collaboration Platform and Cluster Observatory. In the ACE project, cluster organizations have the possibility to obtain the ESCA bronze level certification and can receive active support to get prepared to the ESCA gold level of excellence.
- **Establishing a dialogue with programme owners and policy makers** to provide them with an insight into the performance of local clusters and to stimulate their awareness and commitment about cluster excellence in relation to their regional/national programmes.



PARTNERSHIP

Within the framework of the ACE project four European partners are collaborate together between 2014 and 2016:

- Finpiemonte (Regional Financial and Development Agency of Piedmont Region - Italy) – as project coordinator
- ADER (Regional Development Agency of La Rioja Region – Spain)
- Ministry for National Economy (Hungary)
- SIEA (Slovak Innovation and Energy Agency – Slovak Republic)

FINPIEMONTE S.P.A.



The project is coordinated by Finpiemonte, a public company from the region Piemonte, Italy. Finpiemonte is focusing to sustain development and competitiveness of the regional territory. It supports the Regional Government at the management of regional programmes on research, innovation and competitiveness, offering its technical know-how and qualified services to assist its shareholders. Under the mandate of Regione Piemonte, Finpiemonte acts as promoter and developer of the regional network of 12 innovation Clusters, which involve nowadays more than 1.500 entities with a high majority of SMEs.

Finpiemonte assists Regione Piemonte to set-up and implement European projects. Particularly, with the aim to stimulate the participation of local stakeholders to international, trans-regional and inter-cluster networks. Finpiemonte takes part to several projects within the Framework Programme and the CIP Programme of the European Union, as well as within the Territorial Cooperation Programmes.

www.finpiemonte.it

Project manager:

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ADER



**Agencia de
Desarrollo Económico
de La Rioja**

The Economic Development Agency for La Rioja (ADER) is a public organization belonging to the La Rioja Regional Government, attached to the “Regional Ministry” for Industry, Innovation and Employment. ADER is an organization committed to promoting business and industry in the La Rioja Region, Spain. The company aims to promote regional economic development, enhancing the creation and consolidation of businesses in La Rioja and creating a suitable environment for companies to prosper. Furthermore ADER is responsible for managing cluster fund programmes.

www.ader.es

Project manager:

Mrs. Milagros Uruñueta
ADER - The Economic Development
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SP- 26071 Logroño (La Rioja), SPAIN
Tel: +34 941 291 577; E-mail: murunela@larioja.org



MINISTRY FOR NATIONAL ECONOMY



MINISTRY FOR NATIONAL ECONOMY

Ministry for National Economy is responsible for the definition of Hungarian economic policy and implementation of national economic strategy. The Ministry takes the responsibility for significant economic areas such as creating work places, creation of family-favoured tax-system, improvement of competitiveness, composing the state budget, reduction of state debt and motivation of economic growth. Goal of the Ministry for National Economy is to promote the formation of an innovative, knowledge-based, high added value producing economy that is competitive on the single European market and in the globalised world economic environment. Its effective tools to achieve this goal are economic policy tools and use of European Union sources.

The International and Cluster Development Unit in the Ministry supports the implementation of the cluster development policy in Hungary. This Unit manages the national cluster accreditation scheme, manages the cluster related calls, makes analyses concerning clusters and participates in several international projects (SEE, CE, CIP, etc.).

[http://www.kormany.hu/
nemzetgazdasagiminzterium](http://www.kormany.hu/nemzetgazdasagiminzterium)

Project manager:

Mr. Peter Keller
Ministry for National Economy,
International and Cluster Unit
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SLOVAK INNOVATION AND ENERGY AGENCY

SIEA is a professional state allowance organization directed by Ministry of Economy of the Slovak Republic with special focus on innovations and energy sector. The company gathers processes and disseminates information related to the increase of energy efficiency, using of renewable energy sources, combined heat and power and the development of innovation activities. SIEA also act as an implementation agency for Structural Funds of the EU.

SIEA has a long-lasting experience in the implementation of international projects within various EU community programs (Intelligent energy – Europe, Central Europe Programme, INTERREG IVC, FP7, CENTRAMO, Cluster COOP, etc.).

www.siea.sk

Project manager:

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ACHIEVED RESULTS IN HUNGARY

AIMS

The ACE project focuses on involving a wide number of cluster organizations in order to make them aware about the key features of cluster excellence in Europe, assess them using the ESCA benchmarking methodology, motivate them to join the European Cluster Collaboration Platform and Cluster Observatory. The project also aims at establishing a dialogue with programme owners and policy makers in order to provide them with an insight into the performance of local clusters and to stimulate their awareness and commitment about cluster excellence in relation to regional/ national strategies and programmes.

BENCHMARKING OF CLUSTER ORGANIZATIONS

The project contributed to the increase in the number of cluster management organizations holding quality labels in the four partner countries. 8 cluster organizations from Hungary went through the benchmarking process between 2014 and 2015 and had the possibility to obtain the ESCA certification.

Gold Label

- ArchEnerg International Innovative Cluster for Renewable Energy and Building Trade is the first Hungarian cluster which belongs to the European Gold Label Clusters



Bronze Label (7 clusters obtained the label during the ACE project, that raised the number of the Bronze Clusters in Hungary to 13)

- Building Industry Research, Innovation and Technology Transfer Cluster;
- ECOPolis Cluster;
- Green Building Innovation Cluster;
- MSE Hungarian Sport & Lifestyle Development Cluster;
- KEXPORT Environmental Export Cluster;
- Smart Future Innovation Cluster;
- South West Hungarian Engineering Cluster



TRAINING AND LOCAL ASSESSMENTS FOR THE IMPROVEMENT OF CLUSTER STRATEGIES



The ACE project was running training activities as well provided by ESCA and ECFE with the aim of preparing local experts to be entitled to conduct cluster benchmarking interviews and to assist cluster managers in improving their management skills and their services. Experts are trained also with the aim to be able to support policy makers in thinking about how to better integrate the European cluster excellence approaches as a mainstream policy tool into the regional and national programmes.

11 experts from the partner countries have been trained at the “Train the Trainers programme” in 2014. From the Hungarian

Ministry for National Economy, Ms Anikó Kabai and Mr Miklós Juhász participated at the programme. The ‘Train the Trainers’ consisted not only of training sessions taught by the certified instructors, but also a practical part, where the participants carried on two field projects based in a real cluster from their own region.

During the field project a strategy plan and analysis was proposed on how the work on cluster excellence could be pursued in the Hungarian dental tourism sector and in the wood and furniture industry after the end of the project. All local teams taking part to the ACE project opened a channel with the local programme owners and policy makers responsible for clusters, in order to make them aware of the existence of the ACE project and its progresses and achievements. The wider scope of this action was to raise awareness about European standards on cluster excellence and to embed the project results in the regional strategies and initiatives as regards the clusters.



Hungarian Accredited Clusters





3P Plastic, Packaging and Printing Cluster

Date of establishment
2007

Number of cluster members
35

Business focus
Plastic industry, packaging technology and printing enterprises

International Label: -

Key members

- Deltaplast Kft.
- Kunplast-Karsai Műszaki Műanyagipari Zrt.
- Poli-Tech 2005 Kft.
- PEMÜ Műanyagipari Zrt.
- Politex Csövek Kft.

Mission

The most important aim of the 3P Cluster is to take an active part in promoting economic development for its member organisations through generating and managing diverse R&D and innovation and educational cooperation partnerships. It provides an information platform for its participating members to allow an exchange of knowledge to identify new business attitudes, new research and innovation results through, among others, organising innovation and benchmarking clubs and trainings.



Cluster management organisation	AIPA Alföld Industrial Business Development Non-profit Public Benefit Ltd.
Contact	Ms Ágnes Csapó, Managing Director
Address	6000 Kecskemét, Izsáki út 10., HUNGARY
Phone	+36 76 514 771
E-mail	aipakft@gmail.com
Web	http://www.aipa.hu/

Activities

The member companies of the cluster are playing active role in the following industries: printing and other service provision, manufacturing of chemical substances, rubber and plastic products, machines, mechanical equipment and waste management. The products manufactured by the enterprises include the products of vehicle industry (automotive and vehicle industry for cargo and passenger transport), construction industry, agriculture, food packaging, cosmetic and pharmaceutical industry, electronic industry and household mass products.

The 3P Cluster works in close cooperation with the Alföld Industrial Business Development Cluster (AIPA) Cluster and the Hírös Supplier (HBK) Cluster.

Project plans

- Utilising plastic materials in vehicle manufacturing in an increasing proportion
- Permanent coating of plastic processing tools with anti-adhesive materials containing also nano materials
- Development of polymer mixtures and products based on natural materials
- Research and development of modern structures material (for vehicles)



Albert Szent-Györgyi Life Sciences Cluster

Mission

Albert Szent-Györgyi Life Sciences Cluster is dedicated to excel in the development and immediate sales of innovative pharmaceuticals and healthcare consumer products and services by combining local academia with industrial entities and service providers.

Activities

Albert Szent-Györgyi Life Sciences Cluster provides co-ordination of its members' capacities to conduct joint development activities and joint utilisation of innovative solutions in the field of life sciences. Key members of the Cluster are engaged in research and development, certification or registration, manufacturing and distribution of pharmaceuticals and innovative healthcare consumer products.



The cluster's strategic objective is to generate new development projects between member companies, including education and R&D institutions with market oriented concepts, and to enhance domestic and international presence and visibility of cluster members.

Project plans

- Development, manufacture and international sales of pharmaceuticals and other healthcare consumer products
- Therapy related food supplement and product range development of food for special medical purposes
- Clinical testing of bone grafts and granules covered with humane albumin
- Development and testing of synthetic bone replacement materials
- Research and establishment of development background for tissue production, technical implementation of actual achievements and direct in-market utilisation



ALBERT SZENT-GYÖRGYI
LIFE SCIENCES CLUSTER

Date of establishment

2007

Number of cluster members

28

Business focus

Life Sciences

International Label: -

Key members

- Goodwill Pharma Ltd.
- Radix Ltd.
- BioCo Ltd.
- ExtractumPharma Plc.
- Zipper Ltd.

Cluster management organisation

Goodwill Cluster Management Non-profit Ltd.

Contact

Anna Bálintné,
Project Co-ordination

Address

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Phone

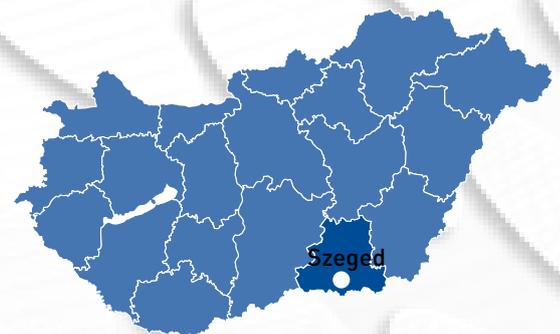
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balintne.anna@goodwillcluster.com

Web

www.szentgyorgyicluster.com





Alföld Industrial Business Development Cluster

Date of establishment
2010

Number of cluster members
36

Business focus
Vehicle manufacturing

International Label: -

Key members

- Bácsvíz Víz- és Csatornaszolgáltató Zrt.
- KECSKEMÉTI TERMOSTAR Hőszolgáltató Kft.
- Polar-Stúdió Kft.
- TRIGON Electronica Fejlesztő és Szolgáltató Kft.
- UniTrade M&M Kft.

Cluster management organisation	AIPA Alföld Industrial Business Development Non-profit Public Benefit Ltd.
Contact	Ms Ágnes Csapó, Managing Director
Address	6000 Kecskemét, Izsáki út 10., HUNGARY
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Web	http://www.aipa.hu/

Mission

The main objective of the Alföld Industrial Business Development Cluster (AIPA) is to take an active part in promoting economic development primarily in the car and processing industry of Kecskemét and the region through generating and managing diverse R&D, innovation and educational cooperation partnerships.

It provides an information platform for its participating members to allow an exchange of knowledge to identify new business attitudes, new research and innovation outcomes through, among others, organising innovation and benchmarking clubs and trainings.



Activities

The Alföld Industrial Business Development Cluster has been established with the aim to build out a cooperation network between companies, enterprises and associated institutions focusing mainly on in the area of vehicle manufacturing for road transport and related areas. The cluster ensures access for its members to specialised developed production factors and R&D results on the basis of intense cooperation, and informal relation.

The long-term development strategy of the cluster identifies the following objectives:

- Vehicle Industry, Science, Education and R&D Pillar
- Industry, Supplier and Enterprise Development Pillar
- Mercedes-Benz Fit Pillar
- Regional and Urban Development Pillar

Project plans

- Development, customisation and propagation of AIPA cluster supplier development solutions and methods
- AIPA Supplier's Competence Development Centre
- Regional and sectoral competitiveness development programme



Alliance Informatics and Innovation Cluster

Mission

The objective of the Cluster is to develop unique, up-to-date and marketable products within the scope of the info-communications industry. The intention of the Cluster is to put the ICT achievements to work for the development of professional processes of different sectors, as well as creating and fulfilling new user demands. In this way, new systems will emerge with new functions. New emphases, as well as previously unknown services and product groups, are thus created; e.g. in the field of environmental protection, education, health care or diagnostics.



Activities

The majority of the cluster members are active in the ICT services and development fields. There are two universities among the members representing the highest level education and research. Members of the cluster are focusing on Machine-to-Machine (M2M) communication based business solutions, development of healthcare industry support systems and e-learning. The cluster aims to create innovative products and healthcare applications which can help generate profit for cluster members and other market actors and to ensure effective solutions for important healthcare issues (nursing, diagnostics, finance, prevention, adherence, etc.). The cluster provides automated recording-editing software to edit and complement visual materials with further information.

Project plans

- Solutions for facilitating the everyday life in local societies – Smart city and Smart village projects
- Scalable distant metering system for regional public utilities
- Remote health care and monitoring solutions – including development of technical toolkit and service package, mobile data transfer and also participation models
- ,Support and realisation of emergency management in special facilities
- Horizontal framework system by the application of modern 3D modelling and data recording technologies



Date of establishment

2007 June

Number of cluster members

46

Business focus

M2M business solutions and applications

International Label: -

Key members

- Pannon Egyetem
- AQUIS Innovo Kft.
- MobilGov Kft.
- Geoview Systems Kft.
- Stratégiakutató Intézet Nonprofit Kft.

Cluster management organisation

Alliance Klaszter Menedzsment Kft.

Contact

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Cluster Manager

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HUNGARY

Phone

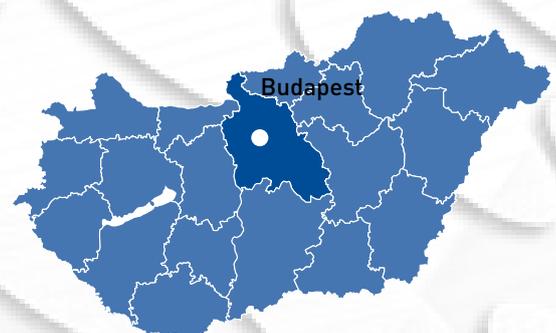
+36 30 339 6082

E-mail

laszlo.hencz@alliance.hu

Web

www.alliance.hu





ArchEnergy Accredited International Cluster for Renewable Energy, Innovation and Building Trade

Date of establishment

2007 March

Number of cluster members

71

Business focus

Renewable and highly efficient energy systems

International Label: European Cluster Excellence Initiative Gold Label Certificate

Key members

- Magyar Közút Nonprofit Ltd.
- GYSEV Cargo Ltd.
- University of Szeged
- Energotest Ltd.
- Schnell-Tel Ltd.

Cluster management organisation

Solar Tech Dél-Alföldi Fejlesztő és Termelő Nonprofit Kft.

Contact

Mr Dénes Bulkai Dr.,
President
Mr András Gonda,
General manager

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Web

www.archenerg.eu

Mission

The ArchEnergy Cluster was established with the Vision of creating an economic and social model based on renewable energy sources and advanced energy efficiency that assists green economy enterprises and green society towards a more sustainable future. Our efforts are focusing on the use of green energy and other fields of research, development and innovation (RDI) processes that are adequate for the success of our members and partners.

Archenerg Cluster has the dedicated Mission to support and develop business effectiveness and efficiency of our members and partners in their business processes and their successful sustainable future cooperation.



Activities

Our Cluster community successfully supports international competitiveness and business-process innovation of our members, and with our successful projects the European green environment, green economy and green society are effectively supported

Project plans

- Implementation of complex energy efficient systems
- Development of intelligent energy systems, SMART City and SMART houses
- Development and optimisation of passive building technology.
- Production of energy efficient building materials with regional traditions
- Integrated biomass systems



Bakony-Balaton Mechatronics and Automotive Cluster



Bakony-Balaton
Mechatronics and
Automotive Industry
Cluster

Mission

The Bakony-Balaton Mechatronics and Automotive Cluster (BBMAC) was established through the fusion of the Mechatronics and Automotive Cluster Ajka and the Central-Transdanubian Regional Innovation Cluster. The main aim of the fused cluster is to integrate the innovative and cooperative enterprises, development organisations, R&D and knowledge centres focusing on the automotive and mechatronics sectors in Central-Transdanubian Region.



Activities

The 5 highlighted areas of BBMAC activities are the following:

- Formal co-operation and joint activities in national and transnational context
- Continuous update of the cluster' development strategy
- Project generation activities, operation of the 'project pipeline concept
- Effective and efficient communication; media- and non-media activities, workshops, benchmarking clubs
- The qualitative and quantitative extension of the strategic alliance

Project plans

R&D project group

The goal of these projects is to sustain and strengthen the competitiveness of the cluster members by enhancing their capacity to apply innovative technologies.

Investment project group

The goal of these projects is the realisation of the investments planned by the cluster members in order to enhance their competitiveness and raise the level of employment.

Human resource development project group

The goal of these projects is to develop the human resources of the cluster members.

Date of establishment

September 2007

Number of cluster members

42

Business focus

Machinery/ vehicle production

International Label: -

Key members

- Bourns Automotive Division Hungary
- Continental Automotive Hungary
- Johnson Controls Inc.
- Poppe+Potthoff Hungaria Ltd.
- MTD Hungaria Ltd.

Cluster management organisation

Közép-Pannon Zrt.

Contact

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Project manager

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Web

<http://www.bbmjk.eu>





Biotechnology Innovation Base Cluster

Date of establishment

December 2005

Number of cluster members

28

Business focus

Medical biotechnology

International Label:

European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Culevit Kft.
- DSS Consulting Kft.
- Hisztopatológia Kft.
- PannonPharma Kft.
- Soft Flow Hungary Kft.

Cluster management organisation

Pécsi Egészségipari Innovációs Központ Zrt.

Contact

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Manager

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E-mail

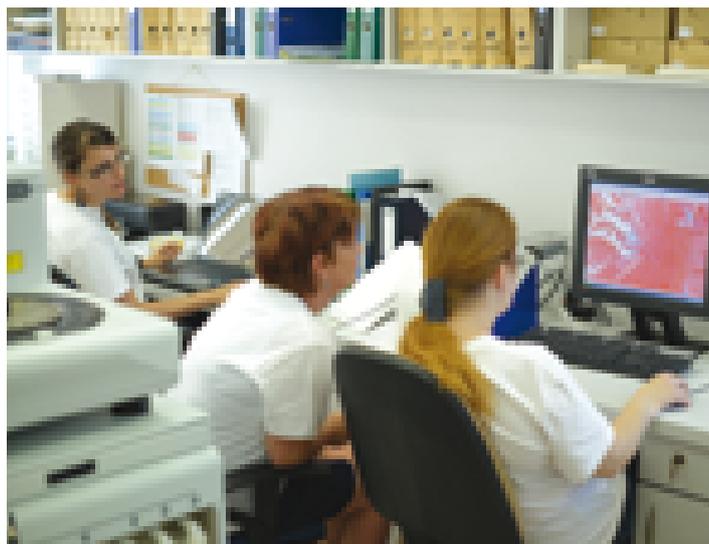
info@peik.hu

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www.peik.hu

Mission

The foundation of Biotechnology Innovation Base Cluster located in Southern Transdanubia was based on the co-operation of five small enterprises in the 1990's.



Activities

The cluster focuses on the healthcare industry and medical biotechnology, including the development, manufacture and distribution of in vitro diagnostics (IVD) devices. Throughout their activities, Cluster-members strive to utilise product families being as complete as possible. The high level of synergy among individual products is ensured by cluster-level co-operation.

Within the framework of the industry-level network, the long-term goal is to develop so-called "orphan" products for preventing, diagnosing and treating rare diseases. The product development activity is expressly SME-oriented, which is in perfect harmony with the composition of the members of the BIB Cluster.

Project plans

- IVD immunohistochemistry product family
- IVD flow cytometry reagents
- IVD immune-serology reagents and kits
- IVD laboratory instruments and accessories
- High performance combined laboratory service group



Building Industry Research, Innovation and Technology Transfer Cluster

Mission

The member companies wish to provide their separated services in a more complex way. According to our plans, the networking cooperation among the members will result in competitive advantages and reaching of new market areas.

Activities

- Renewable energy consultancy
- Research and development (nanotechnology)
- Architecture, building design
- Production of building materials (electrical systems, heating systems, ventilation, windows, concrete blocks)
- The expansion of the business relationship in the construction industry
- Building partnerships, organizing partner-meetings
- Expansion of the solvent area, exploration of export opportunities
- Establish benchmarking activities and operation of a benchmarking club, exchanging of good practices
- Implementation of R&D&I programs and trainings with higher educational and research institutions
- Common equipment acquisitions, support of organizing services, common development infrastructure
- Establishing a common construction industrial competence database
- Organizing exhibitions and conferences, participating in national and international study tours and conferences

Project plans

- Road, rail, water work concrete element production
- Construction of innovative heating/ cooling technologies
- Planning and building of energy intelligent buildings
- Nano coats development and production
- Insulation materials employment and production for new building



Date of establishment

April 2011

Number of cluster members

34

Business focus

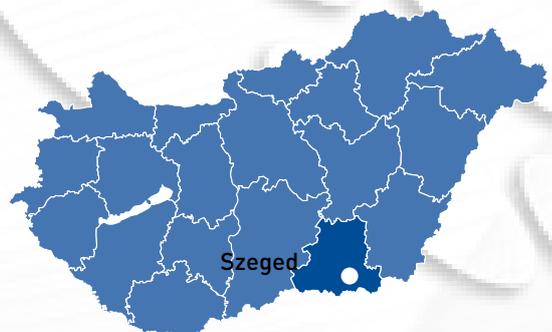
Construction

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- FERROÉP General Contractor and Construction Co.
- DÉLÚT Construction and Mining Ltd.
- CSOMIÉP Concrete and Amelioration Product Manufacturing Ltd.
- LEGRAND Hungary Co.
- Aeroproduct Co.

Cluster management organisation	Öthalmi Kft.
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Web	http://www.kivitelez.es.net/



**Date of establishment**

2006 December

Number of cluster members

35

Business focus

Medical devices

International Label: -**Key members**

- MEDICOR Zrt.
- DISPOMEDICOR Zrt.
- MEDCIOR Kéziműszer Zrt.
- Metrimed Orvosi Műszergyártó Kft.
- Hospitaly Kft.

Cluster management organisation**OMEGA INVEST Klaszter Menedzsment Kft.****Contact****Mr Zsolt Tóth,
Manager****Address****1097 Budapest, Illatos út 9.,
HUNGARY****Phone****+36 1 280 6900****E-mail****info@mediklaszter.hu****Web****www.mediklaszter.eu**

Cluster of Hungarian Medical Manufacturers and Service Providers (MediKlaszter)

Mission

The "Cluster of Hungarian Medical Manufacturers and Service Providers" (MediKlaszter) is an association of companies, dealing with R&D and manufacturing of medical devices, as well as with services in the field of medical industry.

The number of member companies of MediKlaszter is increasing continuously (35 at present). All of them are micro-, small- and medium-size ones, being together the determinant figures of the Hungarian medical device industry.

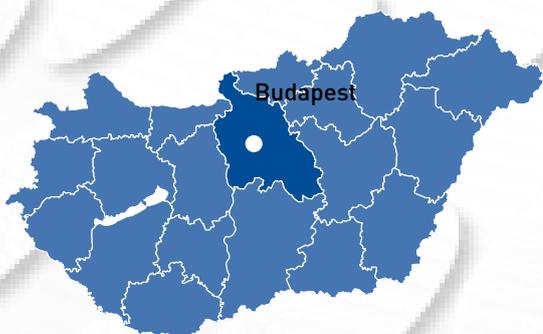
The aim of MediKlaszter is to increase the competitiveness of the 100-years old Hungarian medtech branch, to improve the innovation environment of the health care industry, to continue - by building of professional networks - the traditions of the branch, and to maintain and elevate its culture. In the interest of these aims, MediKlaszter co-operates with Hungarian health care sector representatives of both science and of the government.

Activities

The cluster is focusing on companies and institutions which conduct profit or non-profit based development, manufacture and sale of Hungarian medical devices and companies which carry out related activities or provide technical-scientific support. One of the main objectives of Hungarian Medical Cluster is joint and organised response to market challenges and competition, improvement of competitiveness, intensification of co-operation in terms of development and marketing, and finally, utilisation of advantages in joint acquisition and export sales.

Project plans

- Innovative service forum, Establishment of a MedMarket forum
- Creation of a new medical device
- Forming of R&D strategy for health care industry and health sciences, by the co-operation of industrial and scientific institutions
- Providing health care research activity on a high professional level, for health care institutions and medtech enterprises
- Planning and implementing of complex health care projects



ECOPolis Cluster

Mission

The ECOPolis Cluster is an initiative for reducing industrial, agricultural and communal environmental loads in order to foster the sustainable, eco-centered economy and regional development generated by the innovative core sectors.



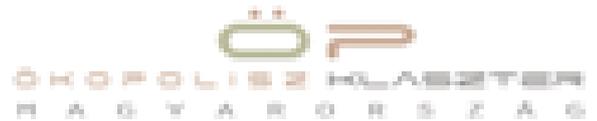
Activities

The cluster aims to establish the region's innovation chain and generates demand based, innovative core sectors and industries in the field of R&D&I&E. Through its activities the cluster contributes to the development and competitiveness of the environmental state in Hungary and the region and to the establishment of an environment-focused attitude.

The main objective of ECOPolis Cluster is to generate and manage high added value, innovative R&D&I&E projects and to promote the success of projects focusing on product and technology driven knowledge transfer processes, resource generation and international representation. Developments are based on existing scientific achievements, development demand of the business sector and market breakout points. The cluster places special emphasis on green industry and agriculture technologies, eco-centred energetics solutions, environmental IT and on the spread of sustainable social processes, eco-cycles.

Project plans

- Software for energetics system improvement
- Environmental monitoring systems (e.g. air, water, wastewater)
- Establishment of a mobile language education centre
- Health function monitoring devices (e.g. pulse-oximetry)



Date of establishment

August 2008

Number of cluster members

59

Business focus

Green industry, agriculture

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Albacomp RI Kft.
- Combit Zrt.
- Graboplast Kft.
- HUMANsoft Kft.
- MOL Nyrt.

Cluster management organisation

ÖKOPolisz Klasztermenedzsment Kft.

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Web

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**Date of establishment**

March 2011

Number of cluster members

32

Business focus

Renewable energy, energy efficiency, green innovation

International Label: -**Key members**

- BME ITS Zrt.
- BRAMAC Kft.
- HEVESGÉP Kft.
- KV Építőipari Kft.
- National Research and Innovation Centre, Institute of Agricultural Engineering

Cluster management organisation

MIK Klasztermenedzsment Kft.

Contact

Mr Miklós Andorka,
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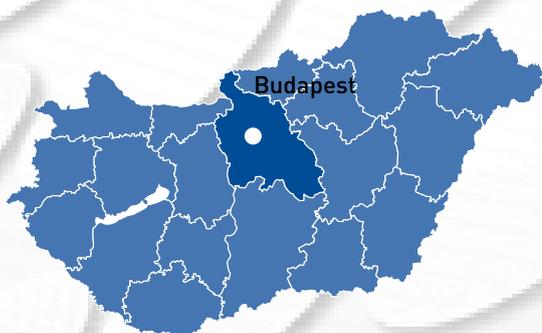
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Green Current Renewable Energetics and Innovation Cluster



Mission

The Green Current Renewable Energetics and Innovation Cluster was founded with the cooperation of the National Research and Innovation Centre, Institute of Agricultural Engineering and some innovative profit companies and organizations.

In 2014 the Cluster was awarded the Accredited Innovation Cluster title and it is one of the funding members of National Alliance of Innovative Clusters in Hungary.

Activities

In the initial phase, the Cluster's activities focused in Northern Great Plain region. Given the fact that the European Union set the goal to reduce carbon-dioxide emissions by 20%, the Green Current Cluster defined its objectives at foundation; to develop and subserve the cooperation between institutions, organizations, municipalities and companies with the purpose of accelerating the number and potential of innovative energetic solutions to deploy the renewable energy sources and reduce the energy consumption.

The most important activities are the followings:

- Consultancy on energetics development for municipalities, companies and for micro-regions
- Hard biomass potential assessment on national level
- Presentation and induction of new and innovative technological and technical energetic solutions
- Pilot project generation in micro-regional level

Project plans

- Implementation of complex energy efficient systems
- International joint research about the efficiency of energy clusters in the Visegrad Region (HU, SK, CZ, PL)
- Industrial waste-heat usage by CHP units

Hírös Supplier Cluster



Mission

Hírös Supplier Cluster was founded in 2008. Since the establishment, the cluster compiled a supplier database, developed a website and organised the first events. Besides these, cooperation process with three other accredited clusters (HBK, AIPA and 3P) around Kecskemét and the Chamber of Commerce and Industry of Bács-Kiskun County has started.

The cooperation works both horizontally and vertically, through which the methods and terms of the joint actions and the cooperation with more than a hundred companies and institutions could start.

Activities

It should be emphasized that Kecskemét and the surrounding area was declared a priority motor industry centre, which has a significant effect on the operation and strategy of the Cluster. The strategy of HÍRÖS Supplier Cluster is carried out on the following priority fields:

- Coordination of research and development opportunities and capacities in order to achieve a competitive developmental potential in the area. Therefore, we plan sustainable and financeable business models.
- Helping small and medium-sized enterprises (SMEs) become suppliers.
- Taking part in integrators' supplier development, involving further integrators in the project.
- Taking Kecskemét and its region into domestic and international economic environment to an even greater extent.

Project plans

- Developing supplier networks in the Kecskemét area in order to create cooperation with other clusters and the foundation of the Supplier Academy.
- Establishing regional material science and automation research and development center on the base of Kecskemét College in cooperation with companies.

Date of establishment

August 2008

Number of cluster members

25

Business focus

Machinery/ vehicle production

International Label: -

Key members

- Knorr-Bremse Fékrendszerek Kft.
- Phoenix-Mecano Kft.
- Szimikron Ipari Kft.
- Gorter Zrt.
- Kecskemét College

Cluster management organisation

HÍRÖS KULCS Kft.

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www.hirosklaszter.hu/



Date of establishment

April 2010

Number of cluster members

34

Business focus

Machinery/ vehicle production

International Label: -

Key members

- Evopro Bus Ltd.
- Rába Vehicle Ltd.
- Ikarusbus Ltd.

Cluster management organisation

Magyar Autóbusz Iparfejlesztési Kft.

Contact

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Hungarian Bus Manufacturers' Cluster

Mission

Our mission is to develop, produce and sell both conventional and alternative fuel buses manufactured to the highest environmental standards for use in public transportation while maximizing the opportunities for cooperation between cluster members.



Activities

- Business development activities for cluster companies
- Encouraging cooperation among cluster members
- Representation of bus manufacturers' interests on various platforms

Project plans

- Development of alternative fuel buses
- Composite material development

Hungarian Innovative Construction Industry Open Cluster (HIBOC)



Mission

The aim of HIBOC is to connect and support well-performing building industry companies and industry-related firms in Hungary, furthermore to guarantee mutual promotion, advocacy and common market advantage for HIBOC members

Activities

HIBOC Cluster's activities broadly involve the following:

- structural architecture and civil engineering
- environmental projects, water-building
- full engineering services
- technological installations
- steelwork and reinforced concrete production and installation
- mechanic-electronic planning and implementation
- software development and sales
- construction material and construction parts production and trade
- carrying out projects based up on green energy
- research and development

Date of establishment

June 2010

Number of cluster members

46

Business focus

Construction/ Energy

International Label: -

Cluster management organisation	MIÉNK Kft.
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**Date of establishment**

May 2007

Number of cluster members

31

Business focus

Space industry

International Label: -**Key members**

- ADMATIS Ltd.
- C3S Ltd.
- Geodata Ltd.
- FÖMI
- DINAS Ltd.

Cluster management organisation

MATMOD Kft.

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Mrs Dóra Illésné Farkas,
Cluster manager

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Hungarian Space Cluster



Mission

HUNSPACE intends to be the engine of further space-industrial improvements in Hungary. We offer effective cooperation with high growth potential in the heart of Europe. Our specialists are empowered to attain challenges to serve with positive surprises through efficient development at the roots of inspiration and are committed to a broader collaboration. The main goal is to be successful in ESA EMIT tendering procedures exploiting the business occasions of our new Hungarian ESA membership.

Activities

In HUNSPACE there are four member categories: primes, suppliers, researchers and additional. The main actor is the prime who undertakes international space projects. All the others are subcontractors. HUNSPACE organizes the appropriate consortia.

To find partners for the cluster members HUNSPACE acts as an agency, time to time has subprime or transfer role.

HUNSPACE as member of SME4SPACE participates in all technological harmonization ESA actions. We support the integrated European technological non dependence action. HUNSPACE organizes meetings for new ESA members and aspirants. Marketing actions at various European space marketing events like Aeromart.

Project plans

According to our profile there are project plans for satellite equipment production and for earth observation:

- Flight hardware delivery for the CHEOPS and PLATO projects
- NSPACE Satellite equipment delivery for the Copernicus project (SENTINEL2 c and d)
- Participation in EUCLID and JUICE projects
- New qualified space materials and product technology
- Earth observation service on market base

Information Management Innovation Cluster

Mission

The Information Management Innovation Cluster was founded on 9 October 2008 in order to support its member companies' uniform and technology-oriented development and to enhance their competitiveness both in the domestic and international product and labour market. There are two key areas where the enhancement of competitiveness is essential:

- Internal competitiveness: development of employee retention and training competences
- External competitiveness: enhancement of competitiveness in the product and service market



Activities

The cluster is focusing on mobile area IT applications, specialised management applications, designer and analytic tools. The portfolio of the cluster members exclusively contains IT management products and related services. The strategic cluster objective is to establish co-operation between enterprises of the IT sector, and to enter joint research and development with educational institutions.

Project plans

- Development and international market introduction of a new generation, multi-platform, location based service platform
- Development of location based services for the international market
- Development of a thin client architecture business management application with artificial intelligence support
- Development and international market introduction of a flexible, co-operation based information management tool
- Development of a multiplatform on-demand BI tool for the SME sector



Date of establishment
October 2008

Number of cluster members
38

Business focus
IT management products and services

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- KÜRT Információbiztonsági és Adatmentő Zrt.
- ESRI Magyarország Kft.
- OPTEN Informatikai Kft.

Cluster management organisation	Információmenedzsment Innovációs Klaszter Kft.
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Web	www.i2k.hu



Date of establishment

2006

Number of cluster members

55

Business focus

ICT

International Label: European Cluster Excellence Initiative Silver Label Certificate

Key members

- Seacon Europe Kft.
- UNICOMP Kft.
- Rubin IT Zrt.
- Forrástrend Kft.
- Mortoff Kft.

Cluster management organisation

Innoskart Business Development Nonprofit Ltd.

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INNOSKART ICT Cluster

Mission

INNOSKART, as a business oriented ICT cluster focusing on innovation, is an active and reliable partner in cross-sectoral cluster collaborations.

Activities

The key objective of the INNOSKART ICT Cluster is to go international via implementation of R&D&I projects involving businesses from different industries and strengthen the presence on international markets. Our members are usually the active participants of EU matchmaking missions and also the cluster management is the permanent actor in the most important cluster events in EU as participant and also as speaker.



We have successfully implemented several transnational projects; this period we are active in COSME and H2020 programs. We are the member of NATUREEF ESCP consortia implementing the COSME Go International inter-clustering project strengthening the export market appearance of the members.

Competences:

- IT Security Solutions
- Wireless Sensor Networks
- Intelligent Buildings/ Smart Metering
- Medical Informatics
- IT consulting services

Project plans

- IT supported Energy Efficiency Solutions for the global market
- Wireless Sensor Network Technology in different sectors
- Agro-IT solutions
- International cooperation on e-Health (projects and events)
- Innovation oriented cooperation with Japanese businesses

KEXPORT Environmental Export Cluster

Mission

KEXPORT (Environmental Export) Cluster was established in 2011 by 14 members with the aim of supporting environmental export activities. Now the number of members is 20. Our aim is to provide a genuine partnership based cooperation among the members in order to take part in successful projects abroad together, thus raising the awareness of the services and products of Hungarian environmental and water industry.



Activities

Cluster Members have diverse experience in all segments of the environmental and water industry and offer green-innovative solutions to complex environmental problems. KEXPORT Cluster provides complex services for the cluster members:

- supports environmental industry export activities in cooperation with governmental bodies
- generates new international business opportunities on the field of environmental protection
- strengthens international market presence with organizing international exhibitions and business meetings, with welcoming international delegations
- supports R&D activities, monitors technology transfer opportunities in target countries
- project development of domestic and international technology projects and international tenders

Project plans

- Training/Knowledge sharing on the preparation of environmental tasks in EU candidate countries
- Planning and implementation of waste management, air quality protection projects in target countries
- Development of waste water collection and purification program
- Introduce innovative products of Hungarian environmental and water industry to foreign markets



Date of establishment

May 2011

Number of cluster members

20

Business focus

Environmental industry

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Agriapipe Kft.
- Bárczy Kft.
- ELGOSCAR-2000 Kft.
- HOLOFON Zrt.
- KNOT Kft.

Cluster management organisation

KEXPORT KÖRNYEZETIPARI
Nonprofit Kft.

Contact

Ms Zita Rózsa,
Cluster manager

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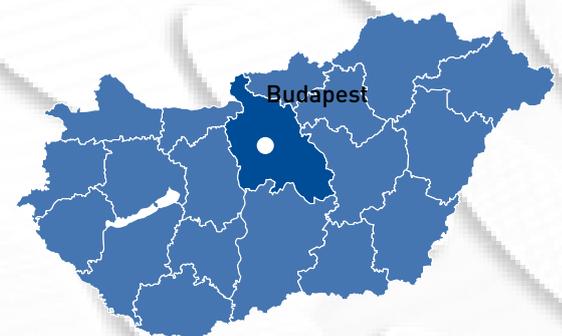
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Web

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Date of establishment

December 2007

Number of cluster members

54

Business focus

ICT

International Label: -

Key members

- Magyar Telekom
- Ericsson Hungary
- Budapest University of Technology and Economics
- Eötvös Loránd University

Cluster management organisation

Mobilitás és Multimédia Koordinációs Iroda Nonprofit Kft.

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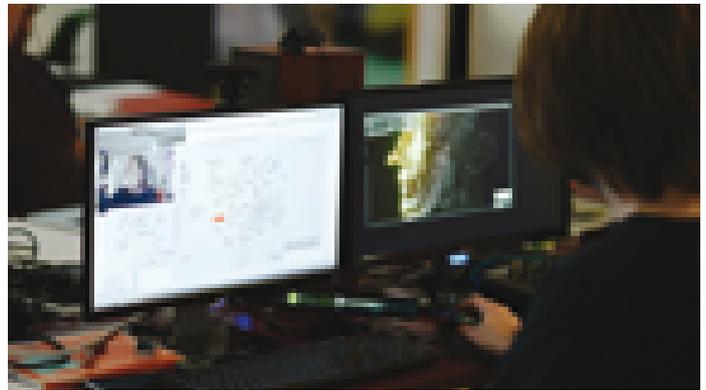


Mobility and Multimedia Cluster

Mission

The Hungarian Mobility and Multimedia Cluster (MMCluster) was founded with the purpose of bringing together the most dynamic actors in the digital industry in Central Hungary, mix and match their R&D and innovation capacities, and help the fruits of their cooperation succeed on the market. More broadly, MMCluster seeks to foster innovation and entrepreneurship in its focus areas – primarily, but not exclusively, mobile technologies and new media –, help its members’ world-class products thrive on the domestic and global markets, and strengthen and invigorate the Hungarian innovation ecosystem.

Activities



MMCluster contributes to its members’ commercial success with a variety of services: it organizes workshops, training programs (e.g. <http://mmklaszter.com/brass-tacks/>), matchmaking events, tech exhibitions (<http://techshow.mmklaszter.com/>), and networking events aimed at forging a genuine business community among the members; it catalyzes joints R&D projects and business partnerships; it helps its members raise funds both from private investors and from public grants; and it supports its members’ efforts to promote and market their products and services. It is one of Hungary’s largest business clusters both in terms of the number of its members (presently 54), and in terms of the size of the project portfolio.

MMCluster’s activities are coordinated by its Management Office (MMO). Among others, it was the coordinator and project manager of two European AAL projects, participated in a Leonardo da Vinci and an INTERREG program, and is partner in a currently running FP7 Coordination and Support Actions project.

Project plans

- Establishment of an NFC/BLE eco-system
- Mobile technology test platform
- Hybrid and smart TV app platform
- Product family to support the digital integration of the elderly

MSE Hungarian Sport & Lifestyle Development Cluster



Mission

- Developing the background of professional sports and reinforcement: sports health, funding, organization development
- The support of the practical utilization of the R&D results achieved on the sector of sports and health promotion
- Popularization and marketing of healthy living, food and sports
- Common professional training programmes, preparation of sports events
- Coordination of logistic means and tourism infrastructure that can be connected to professional and amateur sports, increase of utilization
- Initiative strategic cooperation with other domestic and foreign clusters, associations, clubs, economic representations



Activities

- Gathering and sharing the information concerning the cluster and the cluster's members
- Organization of events related to sports and healthy living
- Managing the Nagyerdei Football Stadium
- Advice to the cluster's members (R&D, tenders, best practices, generation and managing of projects, business planning)
- Cluster representation and professional interest representation
- Active member of the European Platform for Sport Innovation

Project plans

- Introducing sport health care services (medical, doping, regeneration, rehabilitation) in collaboration with the University of Debrecen
- Cross-Cluster Cooperation with other clusters in the field of sport and lifestyle
- Sports marketing, market analysing and researching activity, creation of a common image
- Organizing sport events and conferences

Date of establishment

May 2011

Number of cluster members

34

Business focus

Sport, healthy-lifestyle

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- University of Debrecen
- TEVA GyógyszergyárZrt.
- Debrecen Sportcentre Ltd.

Cluster management organisation

MSE Klaszter Kft.

Contact

Mr András Becsky,
Cluster manager

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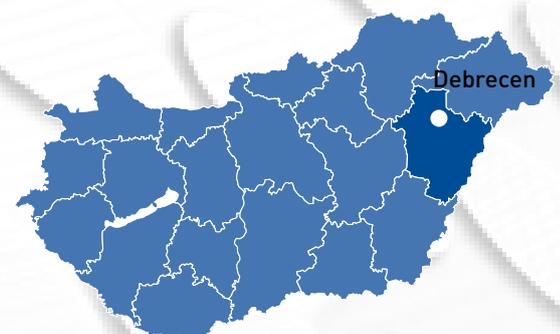
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Date of establishment

December 2006

Number of cluster members

76

Business focus

Automotive industry

International Label: -

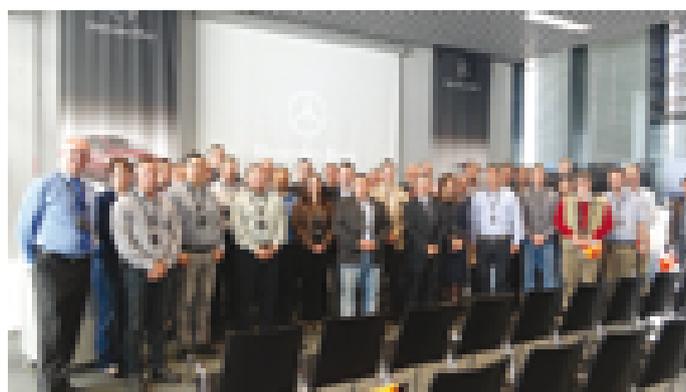
Key members

- Robert Bosch GmbH
- ZF Hungária Kft.
- Modine Hungária Kft.
- SHINWA Magyarország Precíziós Kft.
- Takata Safety Systems Hungary Kft.

North Hungarian Automotive Cluster

Mission

NOHAC's mission is, helped by other clusters and scientific and trade development institutes, to enhance co-operation among members to promote the exchange of information, to support innovation, best practices and joint investments in order to increase competitiveness of SME'S and attract the settlement of new automotive ventures in the region.



Cluster management organisation	Észak-magyarországi Autóipari Kft.
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Activities

- promote business relations
- provide consultancy services
- share business information
- provide business consultancy
- offer logistic services
- establish B2B relationships
- provide R&D background
- support marketing activity
- organize events
- provide management consultancy
- organize training and education

Project plans

In connection with the application for accreditation, a strategy about the goals of the next three years has been prepared. These goals are among others:

- preparation of joint investment projects (among others the implementation of a heat treatment center and an automotive testing center)
- increasing the level of R&D&I
- training, specialized training, dual training
- development of an internal information system
- development of quality assurance, technical-technical consulting



North Hungarian IT Cluster



Mission

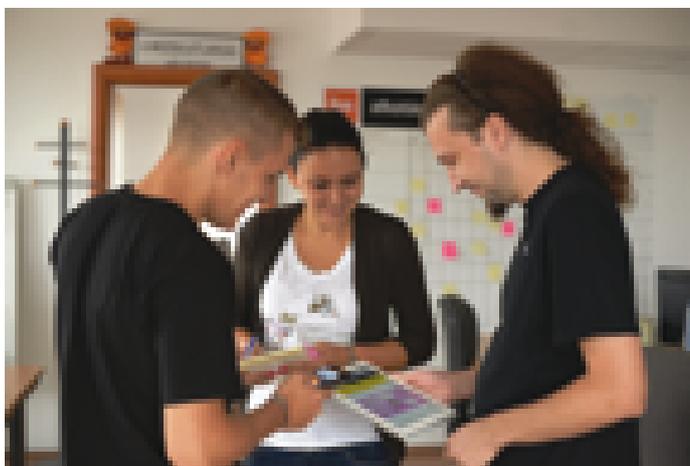
The North Hungarian IT Cluster aims at playing a bridging role between the scientific centres of the North Hungarian region and the players of the IT market, and also wishes to play an advocacy role, enabling a more effective representation of the IT companies of the region towards the central government.

Activities

The cluster was founded in June 2007 by five companies, to R&D results that are suitable for creating marketable products and services, in the areas of business IT, convergent technology, internet IT and industrial IT.

The member companies are active in the areas of IT service provision, professional, academic, technical activities, and in connection with a project for establishing an info park – in real estate transactions. Our main activities:

- Research activities in information and communication technology and in mobile technology sectors
- Domain and storage service, on-line marketing
- Bank IT, Automation, Industrial IT
- ERP, CRM systems
- Custom software development, Testing
- Software and hardware trade



Project plans

- Researching the borderline of technology and business in the area of banking front office products
- Development of 5th generation Internet banking solutions
- Development of a modular video-processing framework and marketable products based on it
- Creating an IT and medical-professional basis, as well as working prototypes of a distant healthcare service system
- Development of a language-independent, real-time telephone call sorting programme

Date of establishment

June 2007

Number of cluster members

36

Business focus

IT

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Capture Zrt.
- Misys Hungary Kft.
- Szinva Net Zrt.
- mobilengine Kft.
- Nextent Zrt.

Cluster management organisation	North Hungarian IT Management Non-Profit Limited Liability Company
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Omnipack

Élel-Magyar
Csomagolótechnikai
Központ

Date of establishment
2003

Number of cluster members
28

Business focus
Packaging Technology

International Label: -

Key members

- UgrinPack-Erdősi Kft.
- AMCO Kft.
- CLB Packaging Kft.
- Thermofoam Kft.
- Ecobit Kft.

Cluster management organisation

DBH Project Management Kft.

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Omnipack First Hungarian Packaging Technology Cluster

Mission

The cluster is committed to the broader spread of biodegradable and environment friendly packaging materials. We strive to manufacture all of our products fully or at least partially from 100% compostable and therefore biodegradable materials and to replace conventional or polluting technologies with environment neutral ones. The members imagine their Cluster in the future as a living example of an effective cooperation of smaller business entities and also a significant reference-centre for those who handle environment friendly packaging materials.



Activities

The cluster is a grouping that engages itself in environment protection and specifically to the production and distribution of environmental friendly, compostable packaging materials. Within the packaging material and equipment production industry the cluster identified the following main development segments:

- Segment for raw materials and technical-technological development
- Application technology segment
- Segment for developing packaging waste recycling
- Distribution of scientific knowledge, market research, marketing segment

Project plans

- Manufacturing biodegradable and compostable PLA packaging materials and tools, acquiring market advantage
- Establishing a systems centre and experimental plant as regards PLA products
- Developing an environmental friendly, space-saving document storage system supported by advanced IT and cutting-edge retrieving solution
- Developing mobile solutions suitable for obtaining energy from the mixture of combustible waste and biomass base materials
- REPLACE Project

Pannon Wood and Furniture Cluster (PANFA)

Mission

The aim of the Cluster is to strengthen the export-orientated competitiveness of the enterprises in the wood- and furniture industry.

Activities

PANFA has designated three main focus areas around which its primary aims and main projects are built:

- Creation of sustainable, energy-efficient timber industry
- Furniture manufacturing and innovation
- Technical research-development



A major goal of the comprehensive and innovative industrial co-operation is to enable the Hungarian wood industry to produce marketable products for both the national and the international market. Majority of Cluster members operate in wood processing and furniture manufacture and focus on scientific and technical activities. Utilising the latest material science and nano-technology achievements is becoming extremely important among the members since such novel features can improve mechanical, fire and water proofing, as well as aesthetic properties of wood-based products, while preserving major waste management and recycling characteristics of wood. The operations of the members are based on R&D&I capacities of University of West Hungary.

Project plans

- Energy efficiency and heat insulation improvement
- Woodwork products campaign
- Furniture industry production development
- Implementation of comprehensive wood building patterns
- Material science research for cost-effective production and design of environmental friendly and marketable products



Date of establishment

2001

Number of cluster members

39

Business focus

Wood and furniture industry

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Árkossy Bútor Kft.
- University of West Hungary
- Forest Hungary Kft.
- Garzon Bútor Zrt.
- Kanizsa Trend Kft.

Cluster management organisation

EFFIX-Marketing Kft.

Contact

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Web

<http://www.panfa.hu/>



Date of establishment

April 2007

Number of cluster members

25

Business focus

Health and agro food industry

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Adexgo Ltd.
- AdWare Research Ltd.
- CAMPDEN BRI Hungary Non-profit Ltd.
- Diagnosticum Ltd.
- MDE Co. Ltd. (former Experimetria Ltd.)

Cluster management organisation

AdWare Research Fejlesztő és Tanácsadó Kft.

Contact

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PharmAgora Quality of Life Cluster

Mission

The mission of the Cluster is twofold. First, we are striving for excellence in cluster management and would like to be awarded – besides the Hungarian Accredited Innovation Cluster and ECEI Bronze label - with ECEI Gold label. And on the other hand we would like to represent a high quality, remarkable innovative cooperation in the field of healthcare and agro-food industry on the international market.



Activities

Activities of the members primarily cover scientific research-development areas in the healthcare and agro-food industry. The cluster places special emphasis on development of diagnostics procedures, development and manufacture of quality and functional food (primarily of animal origin), development and manufacture of premixes and other innovative generic drugs and dietary supplements. Development of cardio-vascular/ gastro-intestinal stress testing system, a gastro-intestinal diagnostics system and a variety of premixes are based on existing achievements.

Project plans

- Development of a non-invasive process (diagnostic device and related methodologies) for early detection of gastrointestinal diseases
- Development of methods and tools for evaluating the effects of everyday stress and active lifestyle on physical and mental efficiency
- Diagnostic and treatment devices for health promotion of livestock
- Development and full-scale marketing (domestic and international) of a drenching product line
- Development of an effective drug combination for the treatment of neuropathic pain

Pharmapolis Debrecen Innovative Pharmaceutical Cluster

Mission

The objective of the Pharmapolis Debrecen Innovative Pharmaceutical Cluster is many fold; it wishes to strengthen the less developed elements in the innovative chain of the Hungarian pharmaceutical industry as it is required by the export interests of economic stakeholders and on the other hand, it also wishes to contribute to the improvement of European innovative capacities. They wish to reach these goals by adopting the pharmaceutically-specified elements of the European Technological Platforms.



Activities

Main research areas of the cluster include development of drugs for central nervous system, inflammation and metabolism related diseases. The activities are accompanied by the establishment of a new manufacturing plant and a new science industrial park in Debrecen, and there are plans to establish a new bio-innovation park in Szeged.

Focus Areas:

- Innovative therapy products
- Imaging technologies
- In vitro technology platforms
- Education module
- Biotechnology

Project plans

- Cell therapy drug candidate for treatment of „ulcus cruris” as a diabetic complication and that of Buerger’s disease;
- Biomarker-supported development of a drug candidate of natural origin for treatment of cognitive disorders with special regards to Alzheimer`s disease with d-aminoacid oxidase (DAAO) inhibitory property
- Development of an orally applicable insulin-containing drug candidate
- Development of an antidiabetic drug candidate with d-cicletanine sulfoconjugate as an active ingredient
- Diagnostic biomarker for early recognition of pulmonary carcinoma



Date of establishment

August 2008

Number of cluster members

24

Business focus

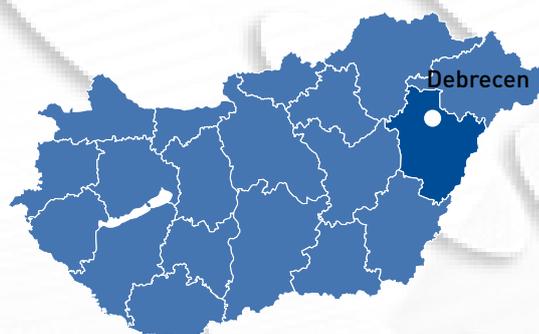
Pharmaceutical Industry

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Richter Gideon Plc.
- University of Debrecen
- Scanomed Nuclear Medicine Centre Ltd.
- Institute for Nuclear Research, Hungarian Academy of Sciences (MTA ATOMKI)
- Chamber of Commerce and Industry of Hajdú-Bihar County

Cluster management organisation	Pharmapolis Klaszter Kft.
Contact	Prof. Dr. Zoltán Szilvássy, President; Ms Éva Skultéti, Dr., Manager
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Web	www.pharmapolis-hungary.eu



**Date of establishment**

June 2008

Number of cluster members

77

Business focus

Health Industry, food industry, innovation

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Gyermelyi Zrt.
- Biopont Kft.
- Sole-Mizo Zrt.
- Master Good Kft.
- Pick-Szeged Zrt.

Cluster management organisation

Innovative Food Cluster Limited Liability Company

Contact

Mr József Prokisch,
Managing Director

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Pharmapolis Innovative Food Cluster

Mission

During research and development cooperation the cluster members focus on developing new, innovative products. Further aim of the network is supporting the market access of the innovative products and protected technologies developed by cluster members. The cluster organizes the development ideas of several big and smaller companies. The cluster recognized that the efficiency of bringing new products to market and the export activity can be increased significantly by holding together along the development of special quality food products contributing to health conservation, and utilizing the food innovation possibilities and results of Hungary.

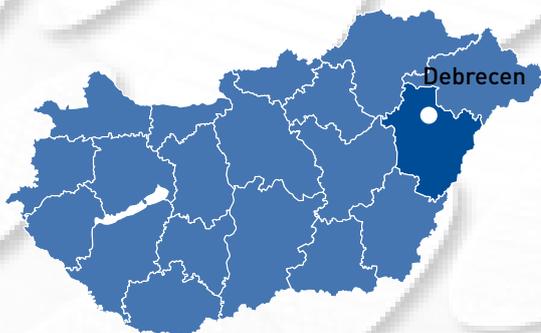


Activities

Pharmapolis Innovative Food Cluster is a network of legal entities and people aiming at increasing the added value along the value chain of health industry, health tourism, or performing complementary activities closely related to or associated with this industry. The objectives of the cluster include the strengthening of the Hungarian health industry innovation chain and developing and operating technological platforms competitive even on a global level, and its activities are focused on the development, production and marketing of functional foods.

Project plans

- Dairy industry – implementation of technological and product developments based on new research results and covering the entire innovation chain
- Cereal industry – product development for corn-based extruding technology
- Development of products with selenium content
- Freeze-drying of fruits and vegetables
- Utilisation of fruit marks



Sárrét Metal Cluster

Mission

Sárrét Metal Cluster primarily aims at joining forces of conventional metal processing companies in the automotive industry. Members are primarily first, second and third level suppliers of automotive manufacturers. The mission of the cluster is to step forward in the supply chain and gain better supplier positions at international level. Continuous innovations in technology and in production processes are indispensable factors to achieve this mission.



Activities

The cluster is focusing on management activities, communication, facilitation of member co-operation, joint development, project implementation and establishment of a supplier network. The activities of the members include light metal casting, machining of aluminium and steel casts, plate machining, metal machining, welding, metal structure manufacture and assembly, galvanisation, surface treatment and painting.

Project plans

- Welding technology improvement to develop the supplier market
- Automotive supplier and export activity development in metal machining
- Light metal casting related complex technology development to improve supplier industry
- Extension of engine part manufacturing activities to acquire new markets
- Practice program: involvement in secondary education, cooperation with vocational schools.



Date of establishment

September 2008

Number of cluster members

30

Business focus

Metal Industry

International Label: -

Key members

- Csaba Metál Öntödei Zrt.
- Csaba-Berényi Gépgyártó Kft.
- IPTECH Kft.
- VGM MAGÉP Kft.
- DUVET Kft.

Cluster management organisation	Sárrét Metál Kft.
Contact	Mr László Fenyvesi, Cluster Manager
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**Date of establishment**

June 2008

Number of cluster members

40

Business focus

IT Communication

International Label: -**Key members**

- Debreceni INFO PARK Nonprofit Kft.
- Pixel Film Hungary Kft.
- Szegedi Tudományegyetem TCS., Szoftverfej. Tanszék
- Szilícium Mező Kft.
- Leonar 3Do International Zrt.

Cluster management organisation

Szilícium Mező Kft.

Contact

Mr Arnold Pintér,
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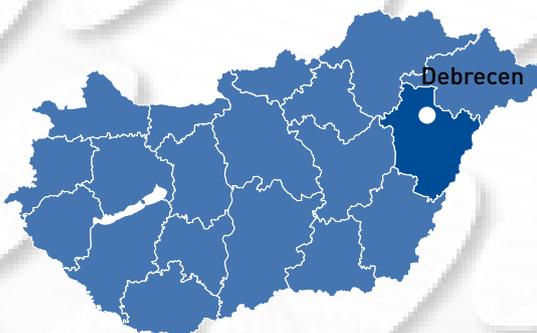
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Silicon Field Regional IT Cluster

Mission

The Silicon Field Regional IT Cluster was established with the aim to attain the critical mass which makes the region an important factor of IT market (with the help of knowledge based IT enterprises near the University of Debrecen).

The goal is the creation of a Silicon Field, an innovative environment of ICT companies and institutions around the university and the region. Through the result of the development projects Debrecen can become the second pole of ICT in Hungary.

Activities

The cluster is basically a network of IT communication companies and institutions which already have innovative achievements. By ensuring seamless co-operation between members, cluster management guarantees the improvement of high added value innovative and export oriented activities, related training and establishment of knowledge intensive infrastructure. In order to further enhance their influence, members unite their market forces, skills, innovative products, and they aim at developing their services together.



Project plans

- 3D display
- Utilisation of 3D software and models
- Security audit and methods
- Regional and city area management informatics systems
- Multi-functional smart community card systems

Software Innovation Pole Cluster



Mission

The mission of the cluster is:

- coordinate the strengthening of value-added R&D activities for cluster members and the relevant training and education for it,
- establish infrastructure for knowledge intensive activities,
- to become a service cluster in order to strengthen and communicate the R&D competencies of the cluster members,
- contribute in establishment of knowledge-based, high value-added economy by software industry development especially in South Great Plain Region and the area of Szeged City.



Activities

Activities of the Cluster primarily focus on business and administration (governmental) informatics and artificial intelligence solutions, software quality assurance, "SMART" informatics and Big Data applications, application of mobile and embedded systems and cloud computing.

The cluster:

- enhances software industry innovation activity especially for South Great Plain Region
- attracts the region for additional knowledge-intensive economy participants, harmonizes the university research with demand of software industry enterprises
- develops the targeted human resources, implement trainings and education programs related to joint developments
- develops competitive technologies, products and services by joint and coordinated developments of members
- supports the national and international business utilization of R&D results in the field of software development

Project plans

- Development of high-quality service level with artificial intelligence solution employment
- Automatic source code – Refactoring tool development
- Targeted mobile application development for access of local information – map-based information system development to mobile device
- Data collection, control based on SMART (IoT) devices – development of robot-aircraft based field production supporting system

Date of establishment

September 2007

Number of cluster members

49

Business focus

IT

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Clarity Consulting Informatikai és Menedzsment Szolgáltató Kft.
- MultiRáció Gazdaság- és Pénzügyinformatikai Fejlesztő és Szolgáltató Zrt.
- GriffSoft Informatikai Zrt.
- FrontEndART Szoftver Kft.
- Szeged Software Zrt.

Cluster management organisation

DEAK Kooperációs Kutatási Zártkörűen Működő Nonprofit Részvénytársaság

Contact

Mrs. Mónika Gortva-Kónya,
Cluster manager

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Date of establishment

March 2011

Number of cluster members

25

Business focus

Machinery/ vehicle production

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- Büttnerform Ltd.
- Gépszer Ltd.
- Hauni Hungária Gépgyártó Ltd.
- Kontakt-Elektro Ltd.
- Pécs-Baranyai Kereskedelmi és Iparkamara

Cluster management organisation	Pécs-Baranyai Gazdaságfejlesztő és Szolgáltató Nonprofit Ltd.
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Web	www.ddgk.hu

South West Hungarian Engineering Cluster



Mission

Members of the South West Hungarian Engineering Cluster are companies based on quality performance, embodying high technical standards, utilizing the results of continuous improvement.

The Cluster, as the region's determining machine industry association aims to foster, develop the operation of the members, to widen the engineering capacities, to expand markets, to launch new technological projects and create new products.

Activities

Business development

- market-based collaboration, common capacity utilization, strengthening the cluster internal market
- joint procurement of energy, services, materials and others

Training

- developing mechanical engineering related vocational training and dual tertiary education in engineering

Networking and marketing

- operating a common platform for experience and information exchange
- establishing professional relationship with other industrial branches and clusters
- common domestic and international presence and representation

Project plans

- Establishing cluster specific automotive industry supplier network
- Project for the development of communal vehicle manufacturing and related technological development
- Development of small size wind power plant
- Expansion of the common procurement project
- Implementation of the training development strategy of the cluster



System Science Innovation Cluster

Mission

The primary aim of our Cluster is to connect research institutes, universities, enterprises and the industry as well as to create partnerships in Hungary and enable our members to enter international markets. System Science Innovation Centre Private Company Limited by Shares managing the Innovation Centre in Balatonfüred is our partner in delivering our strategy and aims.

Our strategic goal is to establish a Centre for Research and Training Professionals through the combination of three key activities (Project Management + Research + Training) carried out at the Innovation Centre.

Activities

The members of the System Science Innovation Cluster established at the end of 2006 typically include innovative, development-oriented enterprises linked with various fields of information technology (e.g. health information technology, logistic technologies, IT security).

These enterprises need highly-qualified IT developers and other IT specialists with a special knowledge, in addition, they require the professionals they employ to be trained on a constant basis. The extremely fast technological processes going on in the IT sector have an impact also on the needs of training professionals, therefore, quick and flexible training methods need to be introduced in this field. The key targets of the Cluster's approved medium-term strategy include the improvement of educational and training activities as well as ensuring a new generation of specialists.

On 21st February, 2014, the Cluster earned the title of 'Accredited Innovation Cluster' for the fourth time.

Project plans

- To establish an SME Competence Centre for Training Professionals and Knowledge Improvement



Date of establishment

December 2006

Number of cluster members

29

Business focus

IT

International Label: European Cluster Excellence Initiative Bronze Label Certificate

Key members

- ANY Biztonsági Nyomda Nyrt.
- CONTROLSOFT Automatika Kft.
- ONLINE Üzleti Informatika Zrt.
- rEVOLUTION Software Kft.
- VIRGO Systems Kft.

Cluster management organisation	PANNON - PÓLUS Innováció - Menedzsment és Inkubátor Szolgáltató Non-profit Kft.
Contact	Mr Gábor Ujhelyi, Manager
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Web	www.pannonpolus.hu





Thermal- Health Industrial Cluster

Date of establishment

December 2010

Number of cluster members

45

Business focus

Health industry

International Label: -

Key members

- Debreceni Gyógyfürdő Kft..
- Hungarospa Hajdúszoboszló Zrt.
- Sóstó-Gyógyfürdők Szolgáltató és Fejlesztő Zrt.
- NNK Kft.
- Európa Terv Kft.

Cluster management organisation

SPA Klaszter Kft.

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Cluster manager

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Mission

The Cluster's main goal is to encourage the stakeholders of thermal and health tourism in the Region to collaborate and think together, furthermore to renew the Region's baths with the promotion of the development of health tourism, and the Region become a key tourism destination with its high quality services. One of the main partners, namely the University of Debrecen represents the background of health tourism and medical tourism.

On the other hand, the strategic objectives of the Cluster include the assessment of the thermal water's effects on the human body, the proof of thermal efficiency in connection with various diseases.

Thirdly, also the geothermal energy utilization and in this regard the development, the production and the operation of researches, developments and good practices are among the main strategic objectives of the cluster.

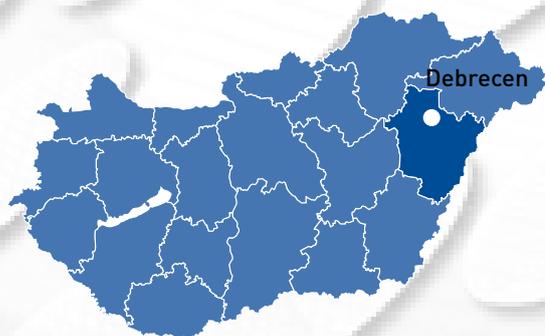
Activities

The Thermal - Health Industrial Cluster main tasks and activities include the regular communication with the thermal and health tourism stakeholders, and the participation in organized events, programs. The SPA Cluster Ltd. is the management organization of the Thermal - Health Industrial Cluster, which periodically organizes forums, conferences, meetings in the areas of three pillars, which are tourism, renewable energy and R&D, in order to get closer to the stakeholders and cluster members to each other in the region.

Project plans

Great Plain SPA Thermal Route (thematic route): spas, spa hotels, wellness hotels - which operate in the region - their services, the balneological treatments, existing and ongoing medical research which demonstrate the efficiency of the thermal water, and the existing supply of medical tourism.

- The utilization of geothermal energy.
- Health tourism: The member companies of the cluster, together with the University research institutions are planning the development and the application of the high value-added health industrial services with industrial legal protection for the prevention, rehabilitation, additional treatment of metabolic syndrome (insulin resistance, obesity, hypertension) and of chronic inflammatory diseases.







Cluster	Business focus	Established	Region	Web page
3P Plastic, Packaging and Printing Cluster	Plastic industry, packaging technology and printing enterprises	2007	Southern Great Plain	www.aipa.hu
Albert Szent-Györgyi Life Sciences Cluster	Life sciences	2007	Southern Great Plain	www.szentgyorgyicluster.com
Alföld Industrial Business Development Cluster	Vehicle manufacturing	2010	Southern Great Plain	www.aipa.hu
Alliance Informatics and Innovation Cluster	M2M business solutions and applications	2007	Central Hungary	www.alliance.hu
ArchEnergy Accredited International Cluster for Renewable Energy, Innovation and Building Trade	Renewable and highly efficient energy systems	2007	Southern Great Plain	www.archenerg.eu
Bakony-Balaton Mechatronics and Automotive Cluster	Machinery/ vehicle production	2007	Central Transdanubia	http://www.bbmjk.eu
Biotechnology Innovation Base Cluster	Medical biotechnology	2005	Southern Transdanubia	www.peik.hu
Building Industry Research, Innovation and Technology Transfer Cluster	Construction	2011	Southern Great Plain	http://www.kivitelezes.net
Cluster of Hungarian Medical Manufacturers and Service Providers	Medical devices	2006	Central Hungary	www.mediklaszter.eu
ECOPolis Cluster	Green industry, agriculture	2008	Central Transdanubia	www.okopoliszkaszter.hu
Green Current Renewable Energetics and Innovation Cluster	Renewable energy, energy efficiency, green innovation	2011	Central Hungary	www.zoldaramlat.hu
Hírös Supplier Cluster	Machinery/ vehicle production	2008	Southern Great Plain	www.hirosklaszter.hu
Hungarian Bus Manufacturers' Cluster	Machinery/ vehicle production	2010	Central Hungary	www.autobuszkaszter.hu
Hungarian Innovative Construction Industry Open Cluster	Construction/ energy	2010	Southern Great Plain	www.klasztermienk.hu
Hungarian Space Cluster	Space industry	2007	Northern Hungary	www.hunspace.org

Cluster	Business focus	Established	Region	Web page
Information Management Innovation Cluster	IT management products and services	2008	Southern Transdanubia	www.i2k.hu
INNOSKART ICT Cluster	ICT	2006	Central Transdanubia	http://innoskart.eu
KEXPORT (Environmental Export) Cluster	Environmental industry	2011	Central Hungary	www.kexport.eu
Mobility and Multimedia Cluster	ICT	2007	Central Hungary	www.mmklaszter.com
MSE Hungarian Sport & Lifestyle Development Cluster	Sport, healthy-lifestyle	2011	Northern Great Plain	www.sporteseletmod.hu
North Hungarian Automotive Cluster	Automotive industry	2006	Northern Hungary	www.nohac.hu
North Hungarian IT Cluster	IT	2007	Northern Hungary	www.infoklaszter.hu
Omnipack First Hungarian Packaging Technology Cluster	Packaging technology	2003	Central Hungary	http://dbh-group.com/en/project-management/
Pannon Wood and Furniture Cluster	Wood and furniture industry	2001	Western Transdanubia	http://www.panfa.hu/
PharmAgora Quality of Life Cluster	Health and agro food industry	2007	Central Transdanubia	www.pharmagora.hu
Pharmapolis Debrecen Innovative Pharmaceutical Cluster	Pharmaceutical Industry	2008	Northern Great Plain	www.pharmapolis-hungary.eu
Pharmapolis Innovative Food Cluster	Health industry, food industry, innovation	2008	Northern Great Plain	http://www.pharmapiiek.hu
Sárrét Metal Cluster	Metal industry	2008	Southern Great Plain	http://metalklaszter.hu/
Silicon Field Regional IT Cluster	IT Communication	2008	Northern Great Plain	www.sziliciummezo.hu
Software Innovation Pole Cluster	IT	2007	Southern Great Plain	www.infopolus.hu www.deakszeged.hu
South West Hungarian Engineering Cluster	Machinery/ vehicle production	2011	Southern Transdanubia	www.ddgk.hu
System Science Innovation Cluster	IT	2006	Central Transdanubia	www.pannonpolus.hu
Thermal- Health Industrial Cluster	Health industry	2010	Northern Great Plain	www.termalegeszsegipari-klaszter.hu/

