Walloon Business & Competitive Clusters, Partners for your projects!

Walloon Business and Competitive Clusters gather:

- 12 Industry and Business Networks
- Universities & Research Centres
- Training Centres
- Regional Public Authorities
The Walloon Clustering Policy

The Walloon clustering policy is organized in two structures: the Business Clusters and the Competitive Clusters.

Business Clusters, created in the 2000s, are based on bottom-up development: companies gathered around a sector in order to boost their economic activity and promote business partnerships. There are currently six clusters: CAP 2020, Eco-Construction, ICT Cluster Infopole, Plastiwin, TWEED and TWIST.

The six Walloon Competitive Clusters were created at the initiative of the Walloon Government on the basis of a study of the leading sectors in Wallonia. Their mission is to initiate innovative projects resulting from the synergy between companies, universities, and research centers and centers of competence. Research and innovation are supported as a lever for competitiveness and therefore for growth. The six priority sectors led to the creation of BioWin, GreenWin, Logistics in Wallonia, MecaTech, Skywin and Wagralim.

Where Business Clusters are funded to develop economic animation, Competitive Clusters are mainly supported to carry out investment, research and development or training projects in line with their own strategy, with a view to valorization, particularly at the international level.

Business Clusters and Competitive Clusters therefore play complementary roles in the Region’s economic landscape, favoring innovative partnerships, whether industrial, commercial or technological.
**BIOWIN** is the Health Competitive Cluster of Wallonia (South Belgium). Its role is to bring together all the Walloon stakeholders participating in innovative projects and/or training in the fields of health biotechnology and medical technologies.

*Its aims are:*  
- To foster innovation in Wallonia technological and research partnerships.  
- To train, attract and conserve first-rate human capital in Wallonia.  
- To assist with the creation of collective infrastructure and technological platforms.  
- To internationally promote Wallonia’s strengths and key technological areas.

**BIOWIN Members**  
BIOWIN gathers more than 500 members, among which:  
- 164 companies.  
- 400 Research Centers and units in the 5 main universities (UCL, ULB, ULiège, UMons, UNamur).

BioWin members main activities concentrate on four therapeutic domains: immunology, oncology, cardiovascular and neurology. They are primarily focusing on seven technological themes: Biopharma/Vaccines, Cell Therapy, Radiation applications to healthcare, Implanted and non-implanted Medical Devices, Biomanufacturing, In Vitro & In Vivo diagnostics and Digital Health.

**Figures for the sector (2016)**  
- 20,000 hospital beds  
- European leader in clinical trial phase I  
- EUR 1.2 billion private R&D expenses  

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THE CAP2020 CLUSTER IS DEDICATED TO THE BUILDING INDUSTRY, BRINGING TOGETHER CONTRACTORS, ARCHITECTS, MANUFACTURERS AND SUPPLIERS OF MATERIALS AND SERVICES THAT ARE COMMITTED TO PROMOTING AND DEVELOPING SUSTAINABLE BUILDING IN WALLONIA.

MARKETS AND MARKET NICHES

CAP2020 aims at promoting the design and implementation of high-quality projects anticipating changes in environmental standards and requirements and/or meeting the criteria of sustainable building.

These cover, among others, the overall energy performance of buildings, the controlled use of natural resources, the water cycle management, waste recycling, comfort, health and safety of users of buildings and infrastructures.

MEMBERS OF CAP2020

Cap2020 has 179 members and subscribers:

- 158 enterprises;
- 11 professional associations;
- 3 research units;
- 7 public training partners.

Figures for the sector in Wallonia (estimate)

- Turnover of the sector: € 7.5 billion
- Employment figures: 20,000 FTE

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THE **ECO-CONSTRUCTION** CLUSTER BRINGS TOGETHER ENTERPRISES, ARCHITECTS, STUDY CENTRES AND ALL PROFESSIONALS WHO INCORPORATE THE PRINCIPLES OF GREEN BUILDING IN THEIR ACTIVITY.

MARKETS AND MARKET NICHEs
The Eco-Construction Cluster aims at promoting green building / green-renovation. This concept consists in building/renovating while respecting the environment and providing occupants with a maximum of comfort. Through it, it encourages its members to, at least:

- **use green-called materials**, not very harmful to humans and their environment, renewable and that consume little energy during the manufacturing process, transport, implementation and destruction or recycling;
- **use building techniques** that need rather labour than large quantities of energy;
- **promote smart architectural choices**: integrating bioclimatic principles, ensuring a good thermal insulation of the entire building envelope, ensuring good ventilation and the thermal inertia of buildings,...
- **promote smart energy** choices: low-polluting fuels, resort to renewable energies,...
- **promote the choice of smart equipment**: low-energy lighting and household appliances, efficient heating and correctly sized, rational use and treatment of water,...

MEMBERS OF THE ECO-CONSTRUCTION CLUSTER
The Business Cluster has about 275 members including architects, research centres, contractors and enterprises active in the green building and renovation sector, manufacturers, green materials suppliers, green electricians, design offices and enterprises active in renewable energies, experts in infrared thermography and electromagnetic pollution, project proponents, contractors specialized in the water sector, information and promotion organizations, high schools and universities. Each member undertakes to comply with the green building charter.

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GREENWIN IS THE COMPETITIVE CLUSTER IN SUSTAINABLE CHEMISTRY, SUSTAINABLE BUILDING AND DURABLE MATERIALS (INCLUDING THEIR APPLICATIONS IN LOW ENERGY BUILDINGS) AND ENVIRONMENTAL TECHNOLOGIES.

ITS PROJECTS FOLLOW THREE MAIN STRATEGIC LINES:

The cluster’s strategy focuses on 3 main sectors which respond to sustainable development challenges and the concomitant human needs:

• Axis 1: Sustainable Chemistry: Manufacturing of sustainable products and materials (biomass, plastics...)
• Axis 2: Sustainable Building Sector (Use of sustainable materials in building and energy systems)
• Axis 3: Environmental Technologies: End-of-life management (Treatment and valorization of waste and effluents)

GREENWIN MEMBERS

GreenWin brings together about 200 members of which 30 worldwide leaders and approximately 150 SMEs, all local universities and research centers, training providers as well as organizations that promote the green economy. All members are driven by the opportunities offered by the pooling of skills and resources.

GreenWin already labelled 33 R&D and training projects for a total budget of more than 85 Million Euros.

Concretely, GreenWin provides its members with
• A platform for networking and information
• A support to set up R&D and training partnership projects
• A labelling of projects for their financing by regional funds
• A support for seeking supplementary funds
• A visibility and support for international partnership

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THE **INFOPOLE CLUSTER TIC** IS THE BUSINESS CLUSTER THAT BRINGS TOGETHER AND UNITES PROFESSIONALS FROM INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT) IN ORDER TO PROMOTE BUSINESS AND INNOVATION THROUGH PARTNERSHIP.

**MARKET AND MARKET NICHES**
Our ambition is to contribute to the implementation of a specific and original response to strengthen synergies and allow operators to better position themselves on the market.

Proposed activities and services can be distributed into three categories:
- Visibility and linking (Getting to know and be known);
- Dissemination of projects or business opportunities (Doing more business);
- Support to partnership & innovation (Doing more business together).

Several application areas are the foundation of our actions: Industry 4.0, health (eHealth), intelligent transports, Internet of Things (IoT), Serious Game, Big Data, Open Data, Transmedia, Cyber Security, Web, commerce,...

**MEMBERS OF INFOPOLE CLUSTER TIC**
The INFOPOLE Cluster TIC has more than 130 members:
- 90 SMEs;
- 16 large companies;
- 19 universities and training and research centres;
- 5 public partners.

**SOME MEMBERS**
Audaxis, BizzDev, BEA, Cenaero, CETIC, Computerland, Cronos, Dogstudio, IBM, Microsoft Innovation Center, Multitel, Nokia, NRB, OCé Software Laboratories, RealDolmen, Skylane Optics, Technord, Thales, Win

**FIGURES FOR THE SECTOR IN WALLONIA (ESTIMATE)**
1. Turnover of the sector: €1.38 billion
2. Employment figures: an average of 50 employees

Through its network of more than 130 companies, INFOPOLE can help you find the ideal partner whatever your IT project!

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LOGISTICS IN WALLONIA IS THE COMPETITIVE CLUSTER FOR THE TRANSPORT, LOGISTICS AND MOBILITY SECTOR IN WALLONIA.

SCOPE
Transport, logistics and mobility activities are present on a transversally basis in a countless number of enterprises. Logistics in Wallonia therefore focuses on the major transport and logistics enterprises, on industrial shippers transporting volumes and the major regional or European distribution centers. The indirect scope is composed of the sector suppliers and the training and research bodies that are active in the sector.

MARKET AND MARKET NICHES
Logistics in Wallonia is primarily intended to transport and logistics operators whatever the mode of transport: road, rail, waterway or air. Its members are active in one or several of these transport modes. In addition, the cluster focuses also on industrial shippers from sectors such as food, healthcare, retail...

MEMBERS OF LOGISTICS IN WALLONIA
The cluster has some 300 members.
• Transport and logistics enterprises, all transport modes: TNT, Vincent Logistics, Jost Group, Sedis Logistics...
• Industrial shippers of different sectors: Total, Johnson & Johnson, Baxter, ArcelorMittal, Prayon...
• Infrastructure managers: Liege Airport, the Walloon autonomous ports, Idea, the SPI...
• Suppliers and component manufacturers: Alstom Transport, Meuse & Sambre, Zetes, Etlux, Ingrif, Thales Communications Belgium
• Training operators: High Schools, Forem Logistique, Randstad
• Research operators: Universities, Multitel, the CETIC, the Road Research Centre...

ACTIONS
The cluster aims at boosting innovation in the sector, stimulating networking and support to enterprises and promoting Wallonia abroad to attract new investors and new activities.

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MECATECH IS THE COMPETITIVE CLUSTER FOR MECHANICAL ENGINEERING.

MISSIONS
• To boost activity and employment by engineering and conducting projects of international dimension that rely on networks which combine large companies, SMEs, universities, and research and skills centres.
• To be a driving force for the mechanical engineering sector as a whole.

SCOPE
Mechanical Engineering provides customers with innovative functional systems (machines, industrial or consumer equipments, as well as processes). It calls upon a large range of technologies among which 4 strategic axes are prevailing:
• Materials and surfaces of the future: integration of new properties/features into materials (new materials and surface treatment);
• Comprehensive technologies: fast, complex and thrifty shaping of materials;
• Microtechnologies and mechatronics: integration of smart features into systems;
• Intelligent maintenance and Manufacturing: integration of new technologies in support of production and maintenance (sensors, measurements, expert systems...).

MECATECH MEMBERS
This hybridation of technologies (from pure mechanics to mechatronics, chemistry, nanomaterials, organic matter, biomimetics, ...) and cross-applications make the networking of operators essential. Our projects implement strong technological, scientific and industrial skills in Wallonia as regards full-line suppliers/integrators, technological enterprises and research stakeholders (universities, high schools and research centres).

MECATECH HAS 290 MEMBERS - OUTCOMES OF THE 20 CALLS FOR PROJECTS :
73 research projects, 12 investment projects, 20 training projects, and 3 technology platforms.
• 36 large companies (participating in projects a total of 96 times)
• 116 SMEs (185)
• 109 academic labs (162)
• 17 approved research centres (74)
• 9 high schools (10)
• 3 training centres (22).

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PLASTIWIN is the Walloon cluster of plastics industry. It brings together 99 key players of polymers & biopolymers, elastomers, composites and synthetic textiles.

Our mission:
Strengthen the economic, technological and commercial potential of members through an approach based on the structuring of the value chain and networking.

Promote «business development» and innovation.

Plastiwin members:
Plastiwin has more than 80% of companies among its members. There are:
- Manufacturers of raw materials
- Transformers: components or finished goods producers.
- Designers: industrial design, design offices and engineering...
- Peripheral technologies: moulds, custom machinery, production equipment, sensors...
- Recyclers: technologies and products valuing plastic waste
- Research centres and laboratories
- Training and education bodies: official centres, schools, private organizations...
- Institutional players such as professional federations...

Our activities:
Participate to collaborative projects: research, innovation, industrialization...

Promote the «Business Development»: new markets and products, prospecting...

Improve competitiveness: process optimization and cost reduction

Highlight the skills of members in Belgium and abroad.

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MARKET AND MARKET NICHES
Since December 2015, the priorities and strategies of the Skywin Pole are defined as follows:

- **Composite materials and industrial processes**: Stabilize and develop skills, improve process automation, increase production capacity, import mature technologies.
- **Metallic materials and industrial processes**: Stabilize skills, improve automation and process efficiency, develop new competences (additive manufacturing, new alloys, etc.).
- **Embedded systems**: Develop payloads, sensors and associated electronics for aircrafts, satellites and drones, capitalize skills for health monitoring, intensify strong links with the space sector.
- **Airport services**: Promote technological networking between the two Walloon airports and Walloon SME’s, develop a range of service « Airport skills » at an international level.
- **Space and drones applications and systems**: Drive actors towards an integrated offer, shift the business model (« new space » - strong market orientation), drone market.
- **Modelling and simulation**: Keep the skills in Wallonia, participate to market growth, develop a multi-physic oriented offer.

The strategic choices of Skywin for the international aeronautics and space sectors are:

- supporting the development of « high-tech » products meeting the demand of market principals in specific topics;
- improving the competitiveness of enterprises with respect to major principals by segmenting niches and through technological innovation;
- creating/attracting new activities in Wallonia;
- increasing the competitiveness of the existing industrial base.

MEMBERS OF SKYWIN
Skywin has 151 members among which:

- 117 Companies: SMEs (85) and large companies (32);
- 27 Research operators;
- 2 Training centres;
- 5 Other bodies (agency, association,...).

FIGURES FOR THE SECTOR IN WALLONIA
Turnover of the sector: €1.7 billion - Employment figures: 7,000 direct jobs

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The Business Cluster plays a major role in business development in the «sustainable energy» areas. Sustainable energy stands for:

- renewable energy sources
- the implementation of processes allowing to achieve energy savings, energy efficiency and greenhouse gas reduction including CO₂, in industry and in the tertiary sector
- the development of products for the same effects, for industry, the tertiary sector or individuals («green» products and services)

To promote investments in the production and exploitation of sustainable energy, the Cluster TWEED is organized according to the main following axes:

- The networking of stakeholders through the organization of conferences, networking events, visits to companies...
- The technical support to the drawing up of investment / R&D projects in the sector
- The promotion of the skills of the cluster members, especially during missions/trade fairs abroad
- The implementation of a technology watch
- The organization of «project groups» comprising enterprises with complementary skills in order to meet regional or European calls for tenders and provide comprehensive solutions to customers in industrial-scale projects
- The drawing up of market studies and economic and technological analyses on sustainable energy

TWEED MEMBERS

TWEED has more than 100 members, including 80% of enterprises. The members of TWEED are enterprises with a registered office and/or an operating site in the Walloon Region (or in the Brussels Region) active in the «sustainable energy» area, in all sectors.

There are enterprises such as equipment assemblers, components manufacturers, energy producers but also services enterprises, design offices, CO₂ certificates traders or training centres, research centres, university services and other public partners.

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TWIST is one of the main Belgian networks in the field of audiovisual and multimedia digital content & technologies. TWIST is focused on business & innovation and brings together the main Belgian players in digital media.

TWIST MARKETS

TWIST is mainly active on three markets:

- The content producers market: Cinema, TV, Animation;
- The TV Channels market: development of broadcast technologies and facilities;
- The marketing/communication/Event/Sport/Museum market: development of immersive and interactive content and technologies.

AXES OF STRATEGIC DEVELOPMENT

TWIST is a booster of Immersive and Interactive technological or narrative IP. For years TWIST has been developing an expertise in the field of immersive & interactive technologies and contents for notably the transmedia, AR/VR, Mobile, Internet and gaming industries.

TWIST MEMBERS

TWIST has over 100 members including:

- 70% SMEs (EVS, IRIS, Ymagis, etc.);
- 10% startups;
- 5 TV Channels (including RTBF, RTL Belgium, Be TV);
- 5 Universities and Research & Innovation Centres;

FIGURES FOR THE SECTOR IN WALLONIA (ESTIMATE)

- Turnover of the sector: €1 billion
- Number of jobs: 5,000 direct jobs and 2,000 indirect jobs

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MARKET AND MARKET NICHES
The network brings together companies, training centers and public and private research centers into competitive projects; their common objective being to undertake high added value projects. Wagr alim offers various services to companies such as r&d projects, strategic analyses of the sector, trainings, assistance in international development; the aim being to make them more competitive and innovative both regionally and internationally by:

• Increasing activity and employment;
• Developing a culture of innovation;
• Improving the profitability of companies;
• Increasing international visibility of the cluster, its members and projects.

Wagr alim strategy focuses on 4 priority development fields:

• Axes 1 - « Health » Food/Nutritional quality – relates to the design, development and assessment of products or ingredients with proven health benefits and/or responding to an improved nutritional quality.
• Axes 2 – Industrial efficiency – aims to improve manufacturing processes and methods of food preservation, particularly through organizational innovation by working on the methods of industrial management (production, quality, safety, skills).
• Axes 3 - Packaging - prepares tomorrow's packaging (active and smart packaging, design and marketing), notably on the basis of renewable raw materials responding to food and environmental constraints.
• Axes 4 – Development of sustainable agro-industry networks – aims to optimize the production process and the by-products, in order to increase the added value, reduce the costs or enhance the sustainable and responsible nature of an activity.

WAGRALIM MEMBERS
Wagralim has 258 members among which:

• 100 Enterprises, among which 70% are SMEs;
• 145 Research units and centres;
• 8 Training centres.

FIGURES FOR THE SECTOR IN WALLONIA (ESTIMATE)
Turnover of the sector : € 8.2 billion

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The DOLRE project (Market: transport - Technologies: simulation and digital engineering & materials and advanced and active surfaces) is an alternative to traditional guardrails, which offers sufficient resistance to restrain cars and buses. This is achieved by maintaining the appearance of a pedestrian guardrail. The placement of these contrivances on the engineering structures will be carried out by means of a beam of distribution of the forces to which they will be anchored via a force limiter. This combination will affect both the causes and the consequences in terms of solicitation of work. This will enable road managers to save more than several times the cost of the solution. Changes in other sectors are planned: explosion, nuclear, seismic...

Under LIONEL project (Market: Health - Technology: Advanced and Active Materials and Surfaces), the company Physiol has developed, in conjunction with ULg, and patented a new type of hybrid material for making soft intra-ocular lenses with which the standard manufacturing process is not compatible. The LIONEL project concerns the development of an innovative process of submicronic precision designed primarily for manufacturing intra-ocular lenses but adaptable to other micro-objects. These soft intra-ocular lenses, which are distributed in 48 countries, replace the eye's natural lens and serve as implants for people with cataracts. With an annual output of 200,000 lenses, Physiol is competing with the big names in the pharmaceutical industry. The result? This project has led to the development of new materials, a new multifocal optical implant design, and a new micromolding manufacturing process for a new generation of intra-ocular lenses that accounts for 45% of the company's turnover.

The aim of the OPTIGRID project (Market: Energy - Technologies: Sensors & Embedded Systems) is to miniaturize an intelligent sensor for high- and intermediate-voltage lines that has maintenance prediction and fault detection abilities. The OptiGrid project belongs to the current SmartGrid movement. This generic term refers to making high- and intermediate-voltage power grids "intelligent" by including a series of sensors in order to optimize their management.

Ecotac, Skywin

Ecotac aimed to gain knowledge in composites technology and to explore three new areas which have not, or very little, been explored: fiber placement, SQRTM technology and Non Destructive Testing of advanced composite structures. This project brought together 6 companies (3 large enterprise and 3 SME's) and 3 academic units.

Ecotac involved:
- Design and sizing of demonstrators
- Process and material characterization and development of materials adapted to demonstrator's specific requirements
- Validation by structural testing
- Development of support activities for manufacturing (modeling tools, non-destructive inspection techniques for complex structures, etc.)

Ecotac has resulted on a major technical, scientific and manufacturing skill improvement for all the partners thanks to an efficient and collaborative relationship. The project allowed to convince a major aircraft manufacturer of the interest of the SQRTM process which will be used for the flap structure of its future aircraft. This involves positive economic perspectives for all industrial partners of the project and for the complete value chain including all the subcontractors.
**ICT meets, Infopole on Tour, Indicators, Infopole Cluster TIC**

Initiated by the TIC INFOPOLE Cluster in 2014, the «ICT meets...» action programme aims at highlighting and bringing together the challenges and development opportunities between the ICT sector and the sectors concerned by the Competitiveness Clusters and the Walloon Clusters. The goal of the «ICT meets...» meetings is to bring together supply and demand by sharing experience and transferring knowledge. The «ICT meets...» mobilize stakeholders around common operational objectives in terms of business and innovation of products and services. These events pave the way for new business opportunities and stimulate networking and the emergence of new ideas for innovation.

After three years of actions, more than 750 SMEs, large companies, research centres and universities have attended these conferences and business meetings. On the basis of some spontaneous returns of the members of the TIC cluster, it can be estimated that at least more than € 442,000 of turnover were generated by these «ICT meets» actions, not to mention the numerous collaborative and innovation projects developed as a result of these meetings.

The INFOPOLE On Tour consists of visits by major industrialists aimed at bringing the cluster companies directly into contact with major contractors. During these visits, the ICT companies can discover how the new technologies and computers have advanced the operational daily operations, the competitive potential and capacity for progress and innovation of these major industrialists and what are the technological innovations and research projects underway within the company. They then have the opportunity to present their skills and identify together how they can accompany the industrialist in his digital transformation. In 2017, six visits will be organized at the Sonaca, OncoDNA, CMI, Prayon, Thales, Solvay. Following the visits to the Sonaca and CMI, two member companies have already announced the signing of service contracts with two industrialists.

Many business contacts, partnerships, subcontracting contracts are finalized each year thanks to the different activities of the cluster. However, as companies remain very discreet about their business, it is hard to assess precisely the impact of these actions. However, on the basis of the few spontaneous returns of the TIC cluster members, an estimate can be given. Over the 4th three-year period, the impact of these actions is estimated at a minimum of more than € 730,000 turnover generated and more than 15 FTE created.

Within the framework of its activities as intermediary between professionals of the ICT sector and their potential customers, the INFOPOLE has developed a series of tools enabling the selection and sharing of business opportunities, public procurement, calls for skills with its members. Each year, more than 590 business opportunities are shared exclusively with the members of the network through the B-Wallonia platform. On the basis of some returns of members of the TIC cluster, it is possible to estimate a minimum amount of € 335,000 of turnover generated by this service with very high added value.

**LOWEMI, ECOCITYTOOLS, GreenWin**

**Sustainable Chemistry:** In March 2017, the “LOWEMI” project finished. It has achieved the expected goals and even more! Now, Wallonia has positioned itself as a leader in the European market for wall paints with zero environmental impact. Indeed, the Dothée Company has just developed ECOMAT, the most efficient European wall painting «zero VOC» (Volatile Organic Compound). The unexpected result of the project: VOCBOX, a new instrument for measuring VOC emissions. An innovation on a global scale!

**Digital – Environmental technologies:** The «EcoCityTools» project, coordinated by 1 Spatial Company, aims to revolutionize the environmental management of cities! Each year, 7 million premature deaths are linked to air pollution, or 1 on 8 deaths globally. Densification of the population leads to challenges related to air quality, pollution, energy transition, networks, demography, mobility, .... Concerning cities, during the peaks of heat, the absence of wind prevents the pollutants to disperse, making riskier the routes taking the congested streets. It would therefore be pertinent to be able to combat this scourge by improving the localization of pollution peaks.

So the final objective of the project is to develop decision-making tools and services to effectively establish environmental and energy diagnosis at the neighborhood level and to assist in making choices for rehabilitation or development.
BHIG, KEYPROCESS, STARTECH, Wagralim

BHIG: To face the challenges of tomorrow regarding wellbeing and nutrition, Belgian companies active in health ingredients decided to join forces. In 2012, they created the Belgian Health Ingredients Group (BHIG - www.bhig.be). It covers several areas of expertise and therefore offers a wide range of solutions responding to specific health challenges in nutrition. All of the ingredients are from natural origin and are designed to meet strict requirements. The BHIG is intended to propose a complete but customized solution to the health nutrition market.

It goes even one step further to establish itself as a key player on the market. To do so, the Group is developing a quality seal with the contribution of a scientific committee.

KEYPROCESS: With the involvement of key industrial partners and under the coordination of IFP, the objective of the KeyProcess project is to develop the skills essential for the operation of supervised, automated production lines in the food industry, where production methods are becoming increasingly automated year on year. Over 700 people will be trained in this program from 2014 to 2017.

From its start, this project has created important synergies between regional partners that has led to:
- The set-up of a training platform in Mouscron with cutting edge equipment for the food sector,
- An upgrade, integrating remote access, of the Formalim pilot plant in Verviers,
- A clear boost up of the technical trainings for the sector,
- The set-up of the Keycom module to improve the communication between production and maintenance workers that will be transposed to other activity sectors.

STARTECH: Production of functional flour from wheat grown in Wallonia.

Wallonia does not value enough its grain production. Nevertheless, it has industries able to provide additional value to these productions.

In this context, the partners involved in the STARTECH project are working on setting up a local industry producing cereal ingredients aimed at the food industry, in the form of functional flours. The project is dedicated to a valuation throughout the chain, namely:
- characterized wheat batches for specific applications
- special flours presenting particular technological properties while having recognized nutritional value
- functional flours derived from thermal processes presenting specific techno-functional features that will integrate into the market of texturizers in competition with modified starches and gums; they will provide clean label formulations

EuroDigital Cluster, Global Content Alliance, TWIST

EuroDigital Cluster

Based on their previous collaboration in the € 2 million fp7 Eurotransmedia project, several European media clusters have decided to continue their collaboration and to create a European meta-cluster in the promising field of immersive and interactive contents and technologies, still called transmedia. This European meta-cluster, called EuroDigital Cluster, will build notably on the findings and results of the Eurotransmedia project to define its future strategy.

For the record, the Eurotransmedia project is a European FP7 project managed by TWIST which led to the creation of a new transmedia industrial platform for R&D projects, an observatory of transmedia best practices and paved the way to the creation of a European Transmedia Institute, a European meta-cluster dedicated to immersive and interactive content and technologies, and a convergent fund to support transmedia creation.

EuroDigital Cluster will bring together media clusters from Malmö (Sweden), Munich (Germany), Paris and Bordeaux (France), Barcelona (Spain) and Wallonia (Belgium).

Global Content Alliance (GCA) aims at initiating a cross-sectoral European network to propel European SMEs producing and distributing media content, with the objective of conquering new worldwide audiences. The digital revolution has deeply impacted the production, distribution and reception modes of media content. One key challenge for media SMEs is the necessity to create value across different media and platforms, an approach known as Transmedia. Another challenge concerns the rise of immersive media such as Virtual Reality and Augmented Reality, and of disruptive technologies like Big Data, Artificial Intelligence, Machine Learning and the Internet of Things.

GCA intends to support SMEs by intensifying networking, collaboration and knowledge-transfer on a European scale. The aim is to strengthen the capacity of European SMEs to compete, to innovate and to connect with global audiences.

GCA will work in very close relationship with EuroDigital Cluster in order to internationalize our European SMEs and businesses worldwide.

GCA will bring together media clusters from Malmö (Sweden), Munich (Germany), Paris (France) and Wallonia (Belgium).
ReWallonia, initiative of Cluster TWEED, aims to gather all the technological players of the renewable energy sector in Wallonia and Brussels. The portal gives access to all mappings of the Walloon and Brussels actors of the following subsectors:

- Biomass-energy
- Green heat (Geothermal energy, heat pumps, solar thermal & residential biomass)
- Photovoltaic
- Smartgrids
- Storage
- Wind energy

In total, ReWallonia represent more than 400 organizations. Thanks to a structured navigation and a search engine, it is very easy to identify and contact an organization.

A Vision

ReWallonia is a reference in the sector of renewable energy, and has the ambition to contribute to the development of renewable energy, by acting on the supply (economic prosperity of our members) and on the demand (promotion of the sector).

A success story:

Already several success stories can be credited to the achievement of these directories: identification of subcontractors specialized in the windturbine sector (O&M, Blade,...), conducting a trade mission to Denmark with ‘software’ players of windturbine identified in our studies, identification of R&D expertise in the PV solar sector and promoting them at an international conference in Sweden, attendance in the biggest shows of the concerned sectors in order to highlight some segments of the value chains (eg at Pollutec in the field of Biomass energy),...

TRASIS, CARDIATIS, IDDI-CLUEPOINTS, BioWin

Trasis S.A., a Walloon SME founded in 2004, located near Liège and specialized in the development and manufacturing of radiopharmaceutical equipment, has participated in two BioWin R&D projects: Keymarker and GAGE. The SME has developed two main products, the AllinOne and miniAIO - two automated instruments that are dedicated for the labeling of tracers. Thanks to these two projects and products, Trasis accessed to global markets (in Europe, North & South America, Australia, Asia), generating a turnover of EUR 23 million between 2011 and 2017 and creating 35 full-time jobs. Trasis continues to implement the synthesis of new radio-tracers on the instruments developed during KeyMarker and GAGE and expects the creation of 5 to 15 additional new full-time jobs in 2017.

Cardiatis is a Walloon SME founded in 2002, located near Namur and specialized in the development and manufacturing of innovative implants for the treatment of aneurysms. Cardiatis was involved in the Walbiostent BioWin R&D project that led to the creation of one of a Multilayer Flow Modulator®. Thanks to this project, Cardiatis was given access to global markets (and more particularly, to the Chinese market with the support of BioWin Shanghai), created 5 full-time jobs and expects to at least double its initial turnover, generating EUR 9 million.

In October 2016, CluePoints entered into a Cooperative Research and Development Agreement (CRADA) with the FDA. Anticipated benefits to the FDA of the CRADA’s data driven approach include the detection of anomalous sites which may have escaped detection previously, rapid turnaround of results, the ability to determine the nature and extent of data anomalies, and the ability to explore the interaction of various factors with data quality. These benefits are expected to not only accrue to the site inspection process and improve data quality for all reviewers, but may also inform the efforts of clinical and statistical reviewers to conduct sensitivity analyses, subgroup analyses and site by treatment effect explorations.

As far as IDDI is concerned, they are currently a partner of ‘TreatBest’; another BioWin project recently granted by the Walloon Government dedicated to the development of an In Vitro Diagnostic test predicting the treatment benefit for patients with triple-negative breast cancer, when using standard chemotherapy.
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