



## Worldwide Intercluster Initiative for New materials and processes focused on clean **TECH**nologies

### WHO WE ARE

The WIINTECH network links eight European leading world-class clusters belonging to the chemical and materials sector as listed - Totally, we represent more than 2500 companies and research centres working in the materials and clean technologies sectors. The different partner clusters bring to the project their own expertise and specialisms to address the complete range of technological and business topics in the clean technology space.

The project is coordinated by the Directorate General for competitiveness, industry and services (DGCIS), branch of the Ministry of Economic Regeneration responsible for the implementation of the French competitiveness policy and in charge of supporting clusters and their members in their international development. It is backed by French agencies supporting innovative projects, Oseo, and internationalization of sme's, UBIFRANCE. The consortium has also benefited of the know-how and high involvement in the clusters field of the Fondation Sophia Antipolis (FSA).

#### PROJECT OBJECTIVES

The project aims to identify or initiate opportunities for business development between the European sector and the overseas partner clusters. These include setting up research and development partnerships as well as encouraging trade arrangements. By focus on the growing area of activity around clean sustainable products and services the European members seek to establish technology transfer activities and explore trade development.

The group of clusters from the EU are intending to foster intercluster and transnational partnerships, extend international cooperation by sharing know how from European experience develop a joint intercluster cooperation with internationally leading clusters (technology and industrial partnerships, training, tech transfer, mobility, mentoring) focusing on material and production technologies for fast growing lead markets such as clean tech markets.

The partners will establish linkages, business partnerships and trade opportunities between technology linked members of the clusters and put in place practical actions and support to assist companies grow commercial relationships.



This initiative is supported by the European Commission's Directorate-General for Enterprise and Industry and financed under the Competitiveness.

#### PRACTICAL STEPS

The European Clusters will visit selected clusters in **three main geographical areas:**

- NORTH AMERICA**
- SOUTH AMERICA**
- ASIA**



CLUSTER	REGION / AREA	BUSINESS TECHNOLOGICAL AREA
PLASTIPOLIS	Lyon-France	Plastics
PROPLAST	Italy	Plastics
CHEMIE-CLUSTER BAYERN	Munich, Germany	Chemical Industry
NEPIC	Wilton UK	Process Industry
CLUSTERLAND	Austria	Multi sector
PLASTIVAL	Spain	Plastics
VENETO NANOTECH	Italy	Nanotech
POOLNET	Portugal	Engineering and Tooling Industry



# OPPORTUNITIES

By working together the EU clusters see that the global expanding markets in clean tech such as

- ▼ RENEWABLE ENERGY SYSTEMS
- ▼ HIGH EFFICIENCY BUILDING AND CONSTRUCTION
- ▼ RECYCLING / REUSED MATERIALS
- ▼ GREEN TRANSPORTATION SYSTEMS & COMPONENTS
- ▼ WATER AND AIR TREATMENT SYSTEM,
- ▼ WASTE MANAGEMENT & RECYCLING
- ▼ NEW AND RENEWABLE MATERIALS (POLYMERS/ MATERIALS MADE FROM BIO-FEEDSTOCK'S OR WASTE PRODUCTS)

can be exploited by the international partnerships which the programme will establish



## POOLNET

Pool-Net is the entity that manages the Portuguese Engineering & Tooling Cluster that is based in Marinha Grande region. Today it has 70 members between Engineering & Tooling and Plastic companies, Research & Technological centers, Universities & Polytechnic Institutes, Industrial Associations, one Training Center and one City Hall. Pool-Net stakeholders represent around 75 % of Portuguese Engineering & Tooling industry exports.

The aim of the Cluster is to support the sustainability of the European Industry, promoting products development in strategic areas, such as Aeronautics, Automotive, Medical Devices, Packaging, Electronics, Energy and Environment.



## PLASTIVAL

Plastival is a Spanish Cluster that represents 404 companies, 85% of them are SMEs and 15% bigcompanies.

5 research centres are formally members of Plastival. The 50% of the companies in the region are integrated in the cluster structure.

The 75 % of the companies that form a part of the initial group of the cluster realize a commercial activity towards third countries.



## CCB

Chemie-Cluster Bayern has been established as an international project development platform for Bavarian companies and research institutes, with the aim to coordinate joint product development activities, to manage synergies in research, qualification and marketing and to implement business development strategies for groups of companies on new, international target markets. It is a professional management institution connecting more than 220 companies within the chemical industry and research with some 67% industrial members, of which some 40% are SMEs, and some 21% of R&D institutions, universities and qualification organizations share.

Its main focus is on intensifying chemical value creation in Bavaria by supporting technology transfer between industry and science, R&D activities especially of SME, innovation support and marketing, qualification activities as well as international site marketing in cooperation with public authorities.

Chemie-Cluster Bayern objective is to create networks which promote co-operations, innovation and development of new product systems and services. Chemie-Cluster Bayern is designed as a contact and competence network for Chemical Assisted Living, i.e. for all areas in which chemical products take a sustainable contribution to improve quality of daily life. This covers, for example, areas of e-mobility, renewable energy, CO2 prevention, new materials, but also building chemistry and polymer chemistry as well as chemical climate protection.



### CLUSTERLAND

The Clusterland consists of 6 clusters and 3 networks with nearly 1900 members. The two clusters involved in WIINTECH are the plastics cluster with 436 partners and the environmental cluster with 109 partners.

The plastic cluster incorporate the whole value chain: raw material producers, recycle producers, dye and tooling production, mechanical engineering, plastics processing, service companies, OEM and institutions.



### PLASTIPOLIS

Plastipolis is the only French Competitiveness Cluster in the field of Plastics engineering. Its main objective is to promote innovation and develop cooperation between companies and academia. Based in the regions of Rhône-Alpes and Franche-Compté, the cluster now regroupes around 380 members of which 230 companies. The cluster's activity covers the whole value chain of plastics processing, including material formulation/compounds, material processing and product assembly.



### PROPLAST

Proplast is a cluster based in Italy, in the Piedmont region. Today it counts around 210 members, all involved in the plastic supply chain. Proplast offers consultancy to company members and other companies, in the field of materials, process and product engineering.



### VENETO NANOTECH

Veneto Nanotech is a high-tech cluster based in Italy, in the Veneto region. It acts as go-between with the institutions and is the point of reference for companies and research institutions interested in creating advanced technology products. Its main focus is materials, nano-biotechnologies and the potential to merge the two for the production of nano-devices. One of Veneto Nanotech's main objectives is technology transfer, meaning that it supplies concrete support to companies that are interested in innovation and the adoption of state-of-the-art production processes. The Cluster has 70 employees, 2/3 are researchers.



### NEPIC

The North East Process Industry Cluster (NEPIC) is a cluster organisation located in North East England representing over 400 companies drawn from across the process sector including representation from pharmaceutical, petrochemical, fine and speciality chemicals, bioresources/biotechnology, polymer and rubber, commodity chemical and a significant supply chain presence.

The Northeast of England has a vision of being an internationally significant hub for bioresources activity and renewable energy. With a strong position in all phases of the invention, innovation, development, engineering and operations supply chain it includes established process industry businesses that are continuously improving their operations, large companies investing in new bio and waste based technologies and SMEs developing new technology and investing in production plant. Furthermore, the region incorporates engineering consulting businesses that design and build plants both in the region and across the world, nationally and internationally significant innovation facilities for industrial biotechnology, anaerobic reactions and high temperature processes and a strong university research base. These facilities are coupled with an extremely strong and well established skills and training base ensuring the cluster is a leader in the UK development of a lower carbon economy, greener and more sustainable chemicals, energy and processing.



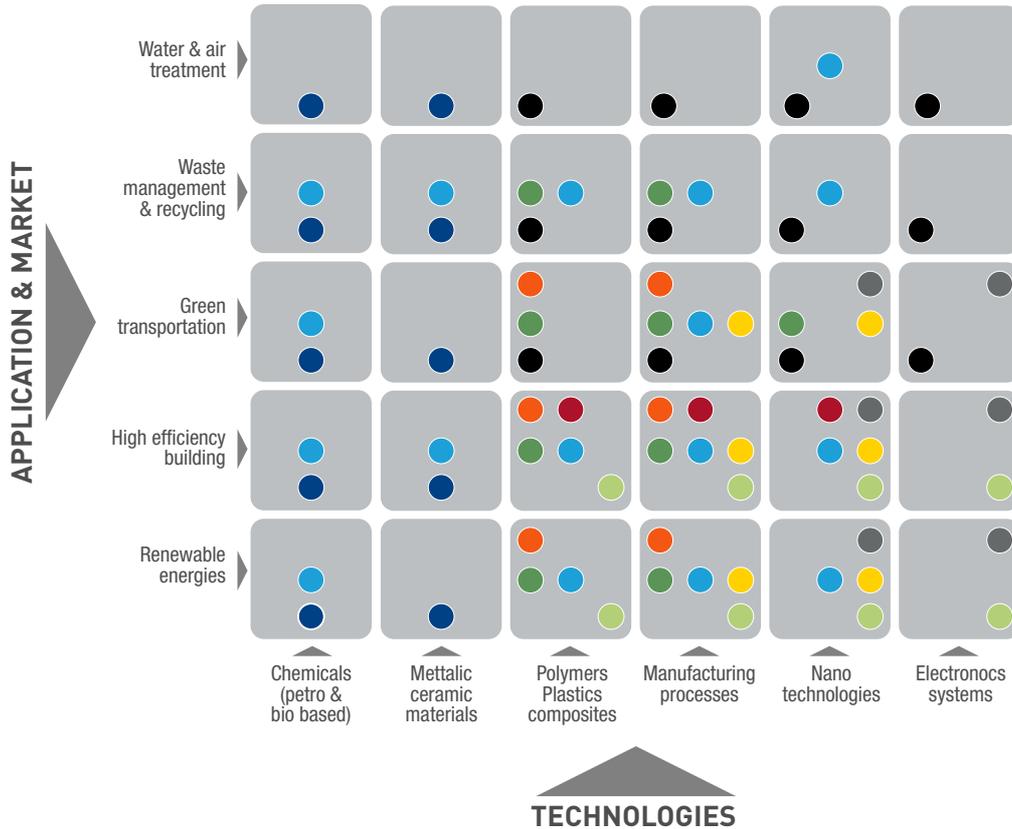


## OUR COMPETENCES CLEAN-TECH AREA

MORE INFO



The project WIINTECH is gathering a set of European complementary leading technology driven clusters (chemical industry, plastics, materials and production technologies) and market pull clusters (clean tech clusters):



## HOW WE CAN COOPERATE WITH YOU

The WIINTECH network is working to:

- create and transfer technological innovation in the developing technology based sectors of process manufacturing, surface engineering, coating materials: polymers, composites, nanomaterials, biopolymers and recycled plastics;
- initiate new global business partnerships (commercial opportunities in products and technologies);
- collaborate with clusters at international level (both on the cluster level and the company level) to develop new markets and identify new partners for clean technology and related projects

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