



European Research Institute of Catalysis



European Research Institute of Catalysis A.I.S.B.L.

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## Partners

**Consorzio INSTM** (Italy)  
**CNR-ICCOM** (Italy)  
**Ghent University** (Belgium)  
**Katholieke Univ. Leuven** (Belgium)  
**J. Heyrovsky Institute of Physical Chemistry** (Czech Rep.)  
**Aalto University** (Finland)  
**Leibniz Institute for Organic Catalysis** (Germany)  
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**NRSC-Catalysis** (The Netherlands)  
**Institute of Catalysis and Surface Chemistry** (Poland)  
**Stockholm University** (Sweden)  
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**University of Southampton** (UK)  
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## ERIC+

**Centre National de la Recherche Scientifique** (France)  
**Max-Planck-Gesellschaft** (Germany)  
**Consejo Superior de Investigaciones Científicas** (Spain)

## A comprehensive Website

<http://www.eric-aisbl.eu>

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# Creating Tomorrow's Platform for Catalysis

## Fields of Research

### Applications

- Heterogeneous, homogeneous and biocatalysis
- Catalyst testing
- Kinetics and microkinetics methods
- Theory and modelling of catalysts
- Surface characterization of catalysts and related materials
- In-situ and operando methods
- Advanced characterization of solids

### Materials

- Micro- and meso-porous inorganic and hybrid materials
- Metal and metal oxide catalysts
- Nanocarbon based catalysts
- Catalytic thin films

### Techniques and Methods

- Development of catalysts for biomass and natural gas conversion targeting e.g. clean fuels
- Catalysts for fine and specialty chemicals
- Novel sustainable catalytic processes for base and intermediate chemicals
- Photo- and electro-catalysts

## Introducing ERIC

The European Research Institute of Catalysis (ERIC) is a Virtual Institute derived from the IDECAT Network of Excellence. As such it is proud to contain many of the most prominent Institutions in the field of catalysis in Europe. ERIC aims to promote catalysis and serve as an interface between academic, industrial and societal needs in the field. ERIC seeks to be recognised as the leading expert resource in Europe for innovative research on nanotech-based catalytic materials and, through its Europe wide network of partners a single reference point of expertise and know-how for Industry. ERIC is already involved in several EU funded projects with industrial leaders such as Air Liquide, BASF, Bayertech, eni, Repsol, Sasol, Shell.

## Where Science Meets Your Company Needs

By being member of the "Companies Guild", Your Company will gain these opportunities:

- Access to allow participation in existing European research-based collaborations in the broad field of catalysis**  
 By being members of the "Companies Guild", Your Company will be able to exploit a single entry point for multi-component and multi-team projects
- Access to strategic white papers and research and expert consultancy capacity**  
 Your Company will be connected to fully operational scientific/industrial "research focussed" platforms in all aspects of cutting edge catalysis. Envisaged outputs include research activities on the emerging catalysis technologies and technology foresight studies
- Focussed training courses**  
 Members of the "Companies Guild" will have also the opportunity to access dedicated training courses led by the most qualified practitioners in the European environment
- Opportunity to have Company-sponsored PhD studentships and post-doctoral research projects**  
 These could be bi- or multi-lateral as dictated by project need offering tailored solutions to specific scientific problems
- Longer term R&D projects**  
 For the members of the "Companies Guild", the development of longer term projects exploiting the expertise of the network will be made possible on a fair and pre-competitive basis
- FP7 networking**  
 Members of the "Companies Guild" will be well placed for participation in the calls of the 7th Framework Program and will be able to count on a powerful networking resource
- Sharing of equipment, competence and infrastructure**  
 Members of the "Companies Guild" will have access to the "state of the art" instrumentation all over Europe
- Valorisation of research results and competencies**  
 Members of the "Companies Guild", particularly SME's, can look to ERIC to effectively assist them to expedite their technology development and protect their IP
- Lobbying activities at EU level**  
 Through ERIC's lobbying activity, members of the "Companies Guild" could influence the EC NMP calls for the future FP's