



THE EUROPEAN SUSTAINABLE  
CHEMISTRY AWARD



#### **Patrons**

Professor Paul Crutzen, Nobel Laureate  
Professor Jean-Marie Lehn, Nobel Laureate

## **The European Sustainable Chemistry Award**

### **A EuCheMS initiative**

# **Nomination/Application Form**

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EuCheMS (European Association for Chemical and Molecular Sciences) is a non-profit-making organisation, having more than 40 member societies which represent some 150,000 individual chemists in academia, industry, government and other professional organisations in over 35 countries across Europe. Its object is to promote co-operation in Europe between non-profit-making scientific and technical societies in the field of chemistry and molecular sciences. EuCheMS provides a powerful single voice for chemists and the chemical sciences in Europe through its activities and development of policy.

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# The European Sustainable Chemistry Award 2012

Dear Proponent/Applicant,

Thank you for your interest in submitting your nomination/work to the “European Sustainable Chemistry Award”. As the title of the Award indicates, we are seeking to identify outstanding research work with a significant impact on sustainable chemistry.

It is essential that you not only clearly demonstrate the scientific achievement of this work, but also provide a good and detailed description of technological transfer of the work for the development of sustainable chemistry. Below we have provided a number of questions and some comments which are intended to help you structure your application.

The Web page <http://www.euchems.org/ESCA/index.asp> has some “Frequently Asked Questions” (FAQs) regarding the application form and other aspects of the awarding process.

Only nominations/applications submitted electronically and written in English will be considered.

## General information

Please see the spreadsheet.

## Detailed Description of the Work

### I. Abstract

The Abstract (Max. of 250 words) should provide the major scientific message and technological impact of the work submitted with respect to sustainable chemistry.

### II. Detailed description of the scientific work

The Description (Max. of 5 A4 pages in 12pt. font) should be as concise and informative as possible.

1. Please summarise the theoretical background, research approach, and the most important experimental steps.
2. Please provide a summary of research results and the technological advance derived from it.
3. Please provide copies of the relevant papers (limited to five), doctoral theses and patents.
4. Please indicate why your work is a significant step forward from the previous state of the art in the area of research and technology related to sustainable chemistry.
5. How effectively can the work be protected against copying by others?
6. What potential impact does the work have on the development of sustainable chemistry? (*i.e.* raw materials, energy consumption, waste, recycling, environmental risks)
7. What potential impact does the work have on society?

### **III. Description of the environmental impact and/or value expected**

1. Please describe possible products, processes or services based on the scientific advance described in section II.
2. In which applications could the innovation be used?
3. Which existing products, processes or services could it replace? Which advantages would the new products, processes or services have in comparison to existing ones?
4. Who would the customers be? (Which industry sectors? Which professionals or customer/consumer segments?)
5. What would the benefit be for the customers?
6. What level of turnover would you expect in 5 years after market introduction (in terms of number of products, processes services actually sold)?
7. Have any products, processes or services based on the scientific results been developed so far? If yes, which? By whom?
8. How long would it take to commercialise the scientific results? Why?
9. Which major parameters would need to be in place before the results of the research could be commercialised (product development steps, processes, services, marketing, sales etc.)?