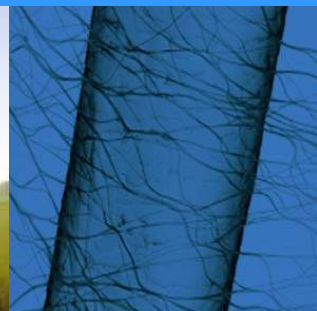


# Energy Efficiency in Buildings

## Routes into the Future

Michael Kutschera

A European Technology Platform for Sustainable Chemistry



# SusChem Objectives

Strengthen competitiveness of chemical industry in Europe based on technology leadership

**Add business through innovation**

Improve EU economic and regulatory conditions to inspire chemical/biotech innovation

Focus on societal needs, contribute to sustainable development



Engage the best researchers

Boost sustainable chemistry research in Europe

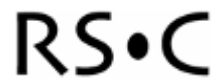
# ETP SusChem, founded 2004



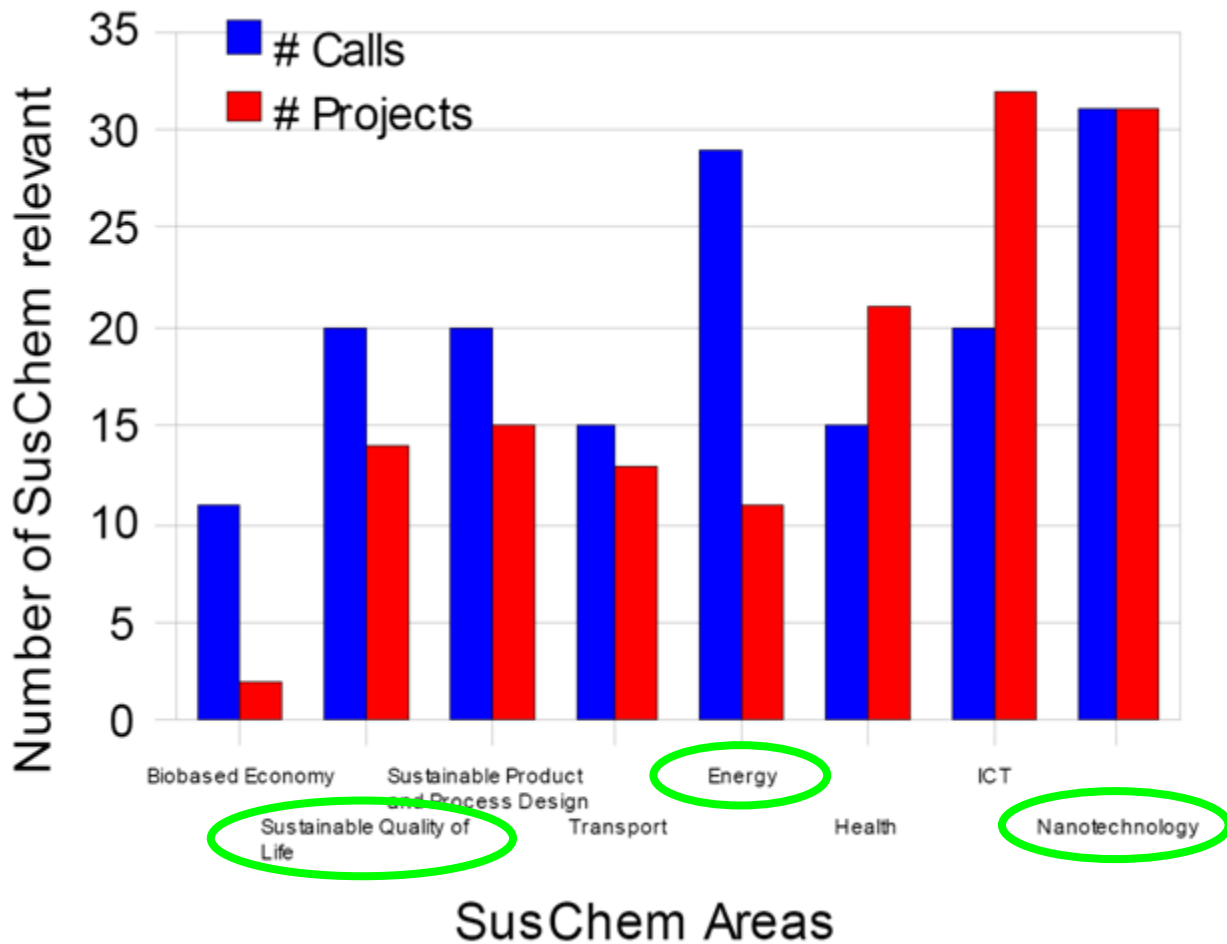
- Participation from almost all European Member States
- SusChem Board includes academics and industrialists plus positions for consumer organisation and financial community
- Participants in technology groups include various SMEs and downstream users (e.g. automotive and electronics industry)
- Horizontal group participants include NGOs, consultants, etc.



and many more ...



# SusChem - Activity



SusChem:  
Strong interest and  
overlap with energy  
and construction  
topics.



# SusChem - Clear Focus on Step/Wave 2 & 3 of EeB Roadmap



 Energy


 Smartness

 Health & Comfort

# SusChem - Clear Focus on Step/Wave 2 & 3 of EeB Roadmap

## Research for new materials / technologies for:

- Clinker reduction in concrete
- Self-healing features in concrete
- Smart coatings
  - electrochromic / photochromic
  - self-cleaning, anti-scratch, anti-skid
- High performance insulation

- 
- Europe: world's leading supplier of advanced materials
  - Innovation in materials technology driven by societal needs and contributing to improved quality of life
  - Identification of opportunities, in close co-operation with the value chain, leading to materials with new and improved properties
  - Rational design of materials with tailored macroscopic properties based on their molecular structure
  - Products made available by improving and combining the benefits of traditional materials and nanomaterials
  - Convergence of market demand and technology development: opportunities for new enterprises in the materials sector