SusChem
European Technology Platform For
SUSTAINABLE CHEMISTRY

European Technology Platform SusChem Progress update

SusChem

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European Technology Platform For
SUSTAINABLE CHEMISTRY

The European Technology Platform for Sustainable Chemistry seeks to boost chemistry, biotechnology and chemical engineering research, development and innovation in Europe.

SusChem is a multi-stakeholder platform that bridges academia, industry, SME's, NGO's and other relevant stakeholders.

SusChem status and plans

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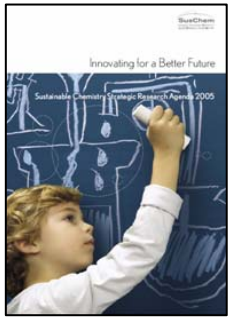
Some data :

- Kicked off by Cefic / Europa Bio / Commission – end 2004

Vision

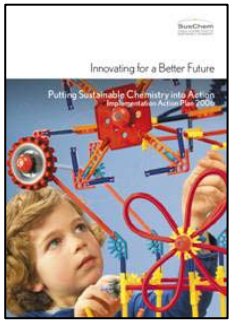
March 2005

Strategic Research Agenda



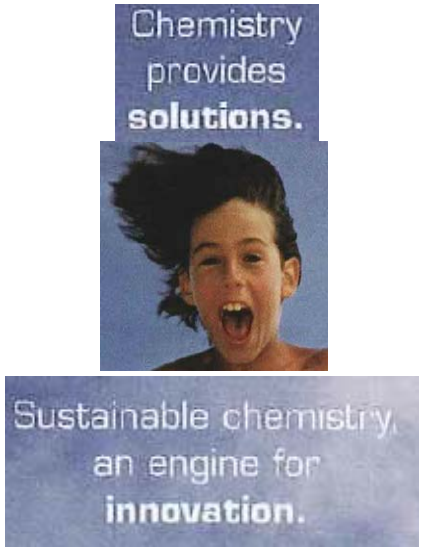
Nov 2005

Implementation Action Plan



Dec 2006

Drive towards Innovation



SusChem Objectives

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Strengthen competitiveness of chemical industry in Europe based on technology leadership

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

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Focus on societal needs, contribute to sustainable development

Engage the best researchers

Boost sustainable chemistry research in Europe

SusChem Areas

SusChem Areas	Nr of SusChem Actions
• Biobased Economy	15
• Sustainable Quality of Life	21
• Sustainable Product & Process Design	32
• Transport	24
• Energy	24
• Health	8
• ICT	27
• Nanotechnology	32
Total	**183**

SusChem status

- Original agreed forum and set up has worked very well
- Good European and National recognitions:
  National platform's have successfully been initiated.
  - 9 in place – 2 in progress
    (CZ, D, E, F, I, PL, RO, SLO, UK – B, NL)
  - Opportunity for improved networking
- Ensure measurable / tracking of success :
  - Focus on Impact and demonstrate solution provider

SusChem – Way Forward

- Add to the existing Research the Innovation / Implementation element
- Extension of the broader value chain and linkage to other TP's, to drive towards society important innovations
- Address the specific needs and opportunities of SME's
- Value chain collaborations – initiatives under development
  - Water Sanitation & Supply Technology Platform
  - Engineering Materials Technology Platform – extend the Value Chain interaction on new materials
  - Manufuture : European recovery plan (the F3 – Future Fast Flexible process)
  - Construction / Automotive

Skills needs for innovation : Cefic & SusChem projects

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Objectives of Cefic and SusChem projects:

- Identification by chemical industry representatives of skills needs that will be critical to improve innovation in their sector.
- Focused on the skills needs for two classes of employees: scientists and engineers
- Investigated their respective critical technical, business and personal skill requirements.
- **Final objective : contribute to better align education curricula and future human resources needs of our industry**

Cefic survey: (nearly finalised)
Gather the views of larger international companies based in Europe

SusChem pilot survey: (ongoing)
Identifying specific needs of innovative SMEs in three selected member states : Germany, the UK and the Netherlands, with respect to specific national issues

Survey

Interviewees:

- High level representatives involved in the long term strategy of their companies (Cefic survey)
- Representatives of innovative SMEs identified by SusChem National Platforms

Methodology:

- Structured telephone interviews based on a questionnaire validated by interviews
- Analysis of validated results

Next steps

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➢ Cefic to initiate roundtable with international experts in education in order to turn skills needs of the industry into recommendations for higher education

➢ Open dialogue with stakeholders such as academia & trade unions through :

✓ the participation of Cefic in EC2E2N (DG Education project)

✓ SusChem Education team and SusChem National Platforms

✓ the collaboration with EuCheMS

✓ the European Social Dialogue

➢ Recommendations to be disseminated at national level and to be introduced into EU member states curricula .

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Thank you for your attention

For more information:

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