

CAN CHEMISTRY SURVIVE IN EUROPE?

Euroscience Open Forum

Stockholm, Aug. 2004

Moderated by Prof. Jon McCleverty

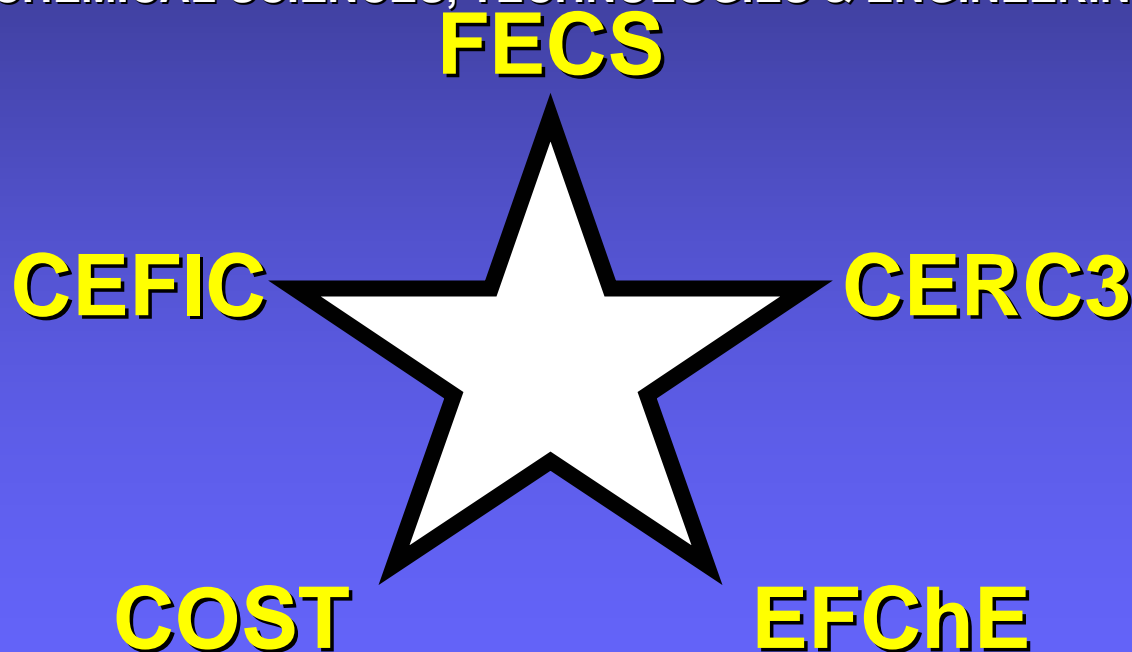
University of Bristol, UK

CHEMISTRY: SURVIVAL IN EUROPE

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ALLIANCE FOR CHEMICAL SCIENCES, TECHNOLOGIES & ENGINEERING IN EUROPE



Representing almost all chemists in Europe

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SCOPE and SOCIETAL ISSUES for CHEMISTRY

SCOPE

VAST

food and health products, consumer goods
sustainable manufacturing, clean technologies
efficient use of materials, renewable materials
smart materials (including nanotechnology)

SOCIETAL ISSUES

PROFOUND

suspicion of science and technology
decline in the young studying science & engineering
economic progress often conflicts with apparent public mood

These present formidable challenges for chemistry

...but also valuable multidisciplinary opportunities?

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CHALLENGES and OPPORTUNITIES for CHEMISTRY

- **health and welfare**

 - interactions with life and medical sciences**

- **future technologies**

 - interactions with physics, engineering, materials science**

- **energy**

 - interactions with physics, engineering, biology**

- **environmental care**

 - interactions with physics, engineering, biology**

- **national and international security**

 - interactions with physics, engineering, biology**

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Assumptions underlying this Forum

- *chemistry is a career of choice*
- *chemistry is vital for European society*
- *Europe therefore must maintain its chemistry skills base*
- *chemical innovation requires excellence in chemical science*
- *chemical innovation benefits hugely from multidisciplinary*
- *multidisciplinary research is vital for chemical technology*

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Some questions to think about

- *How do we encourage crossing discipline boundaries in order to maximise the synergy between chemistry and cognate sciences such as physics, engineering and the biologies?
Should we include economics and social sciences?*
- *How do we stimulate genuine and sustained industrial-academic collaboration and maintain effective “blue skies” science*

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Speakers in this Forum

Dr. Frank Agterberg (CEFIC research & science, Belgium)

Prof. Pietro Tundo (Ca' Foscari, Venice, Italy)

Dr. Marcos Gomez (BASF, Germany)

Dr. Kristy MacDonald (Science Council and RSC, UK)

Prof. Istvan Horvath (Eotvos U., Budapest, Hungary)

Programme

Presentations 2.5 hrs; discussion 20 mins; conclusions 5 mins

End ~5.45 pm