



European Technology Platform for Sustainable Chemistry SusChem

FISCH – Kick off Event

Brussels

December 17th – 2008

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Innovation Manager Cefic
Secretariat SusChem ETP
December 2008

A European Technology Platform for Sustainable Chemistry



What is SusChem ?



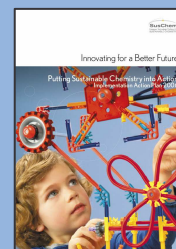
The European Technology Platform for Sustainable Chemistry seeks to boost chemistry, biotechnology and chemical engineering research, development and innovation in Europe.

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

SusChem for FP7



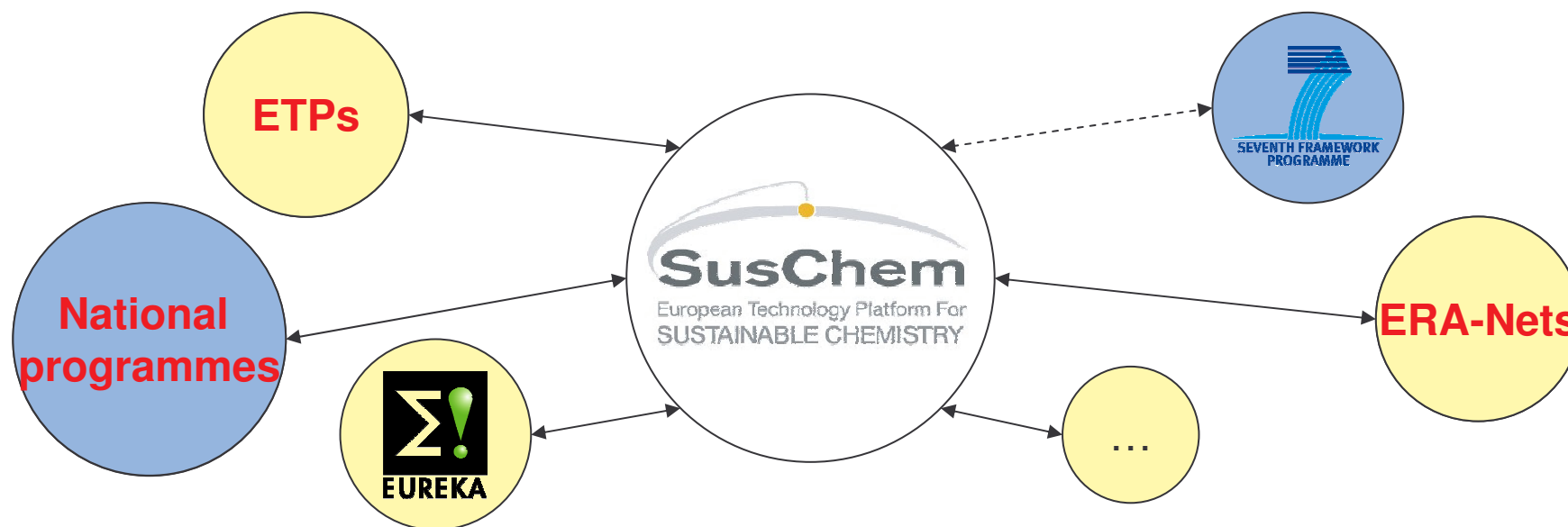
European Commission:
Commissioner, Directors, Scientific Officers











European wide involvement of stakeholders defining
future priority research topics

SusChem beyond Brussels

- Stimulation of governments and researchers to define and demonstrate what **sustainable chemistry** contributes to research and innovation in **other disciplines/sectors**
- Networking and leveraging with others is essential



SusChem beyond Brussels

- Visualising the importance of chemistry and industrial biotechnology in Europe
- Positive impact on individual European countries:
 - various national (partner) platforms were formed
 -  Czech Republic
 -  France
 -  Germany
 -  Italy
 -  Poland
 -  Romania
 -  Slovenia
 -  Spain
 -  UK

Requirements

- NTP able to represent the country (not just an interest group in one specific area) and the required stakeholders
- Strong industry participation
- Know about and represent national strategy for sustainable chemistry or help developing one if it does not yet exist
- Recognised by government
- Dedicated website
- Total ETP + NTP SusChem network to continuously foster the development of SusChem's Strategic intend and IAP.



Role

- Promote SusChem vision at national level
- Link to national governments
- Coordinated national input into SusChem Europe
- National implementation of SusChem goals
- Bring in (additional) interests and stakeholders
- Support (formation of) ERA-Nets in SusChem-related areas

Related ERA-Nets

- ERA-Nets are important mechanisms for SusChem implementation
- Many ERA-Nets are related to SusChem: ERA Chemistry, ACENET, Matera, SUSPRISE, IB, etc.



ERACHEMISTRY

- SusChem Board member is leading 2 ERA-Nets
- SusChem participation in ERA-Net meetings
- Influence on ERA-Net Calls



Other ETPs

- Chemistry is enabler and solution provider
- Value chain needs to be included in discussions on future research
- Cooperation with other ETPs to broaden value chain
 - Direct discussions
 - Participation in meetings
 - Joint actions
 - Finding possibilities for direct cooperation of stakeholders
 - Concrete steps moving forward : jan 2009 – meeting with WssTP

Joint Charter

- Cooperation is essential for implementation
- National platforms
 - bring in national expertise and interests
 - Key role to bridge stronger with SME's
 - work on national funding sources
 - promote the SusChem vision
- Chemistry as enabler needs cooperation with value chain

SusChem : strategy update

Some data :

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

Vision



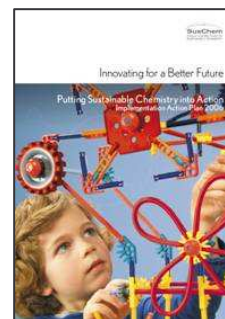
March 2005

Strategic Research Agenda



Nov 2005

Implementation Action Plan



Dec 2006

Drive towards Innovation



Update
RSA / IAP
2009

- SusChem impact on calls / thematic overlap – driven by SRA / IAP :
Significant funds realized

Overall Impact

SusChem Areas	# of SusChem Actions	# of SusChem Actions addressed by Calls				# of SusChem Actions addressed by Projects				# of Sus Chem relevant Calls	# of Sus Chem relevant Projects	Funding /M €	
		None	Red	Yellow	Green	None	Red	Yellow	Green			Total	Weighted
Biobased Economy	15	5	0	0	10	13	0	0	2	11	2	5,4	8,9
Sustainable Quality of Life	21	6	5	5	5	12	2	4	3	20	14	65,8	30,3
Sustainable Product and Process Design	32	11	6	7	8	26	2	1	3	20	15	64,8	25,3
Transport	24	11	1	8	4	18	3	1	2	15	13	71,0	32,7
Energy	24	7	2	5	10	18	2	0	4	29	11	61,1	27,9
Health	8	2	1	3	2	2	1	1	4	15	21	103,4	48,6
ICT	27	3	6	12	6	14	3	7	3	20	32	129,1	82,5
Nano-technology	32	9	1	9	13	15	2	3	12	31	31	124,5	148,8
Sum	183	54	22	49	58	118	15	17	33			<u>625</u>	<u>405</u>

SusChem Goals



**Phase I (2004-2008)
SusChem bring Chemical Industry
and Academics closer together**

Strengthen
competitiveness of
chemical industry
in Europe based
on technology
leadership

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

Focus on societal
needs, contribute
to sustainable
development

**+ Phase II (2009 onwards)
Turn research into business
through innovation**

Engage the best
researchers

Boost sustainable chemistry
research in Europe

SusChem status and plans

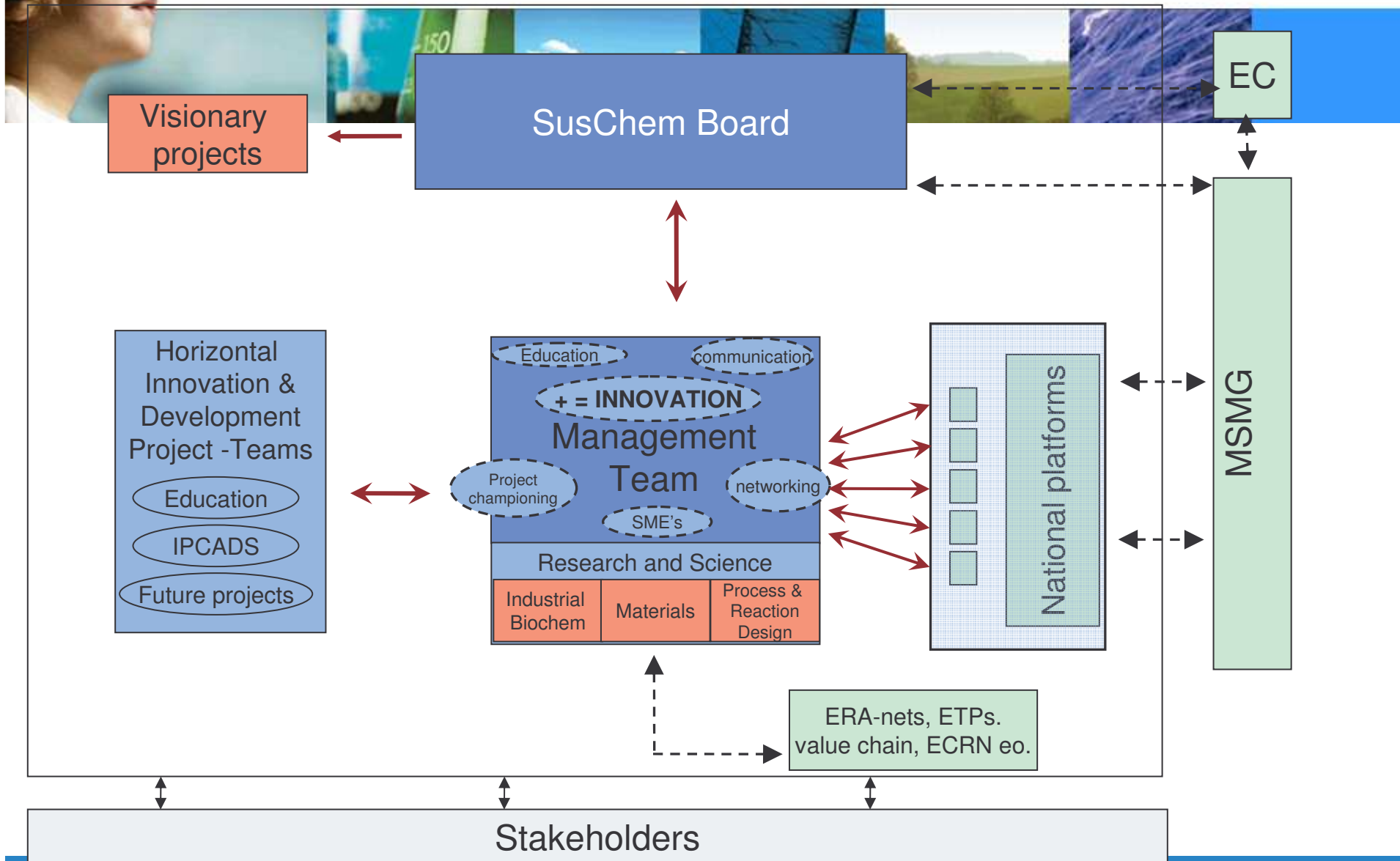
- ***Original agreed forum and set up has worked very well, with good European and National recognitions.***
- ***National platform's have successfully been initiated.***
 - ***9 in place – 3 in progress***
 - ***Opportunity for coaching and leverage from ETP vv NTP (and across NTP's)***
- ***Manage expectations from successes and work towards innovation / impact***
- ***Extension of the broader value chain and linkage to other TP's, to drive towards society important innovations, that demonstrate the important role of chemical industry as solution provider***
- ***Ensure measurable / tracking of success :***
 - ***Focus on Impact and demonstrate solution provider***

Extension SusChem



- Challenge to manage the strong growth of the total process and size the NTP network
Extension to Regional networks to be addressed
- Add to the existing Research Foundation the Innovation / Implementation element
- Extension of the broader value chain and linkage to other TP's,
to drive towards society important innovations, that demonstrate the important role of chemical industry as solution provider
- Address the specific needs and opportunities of SME's
- Ensure measurable / tracking of success :
 - define metrics (hard and soft)
 - Focus on Impact and demonstrate solution provider

Proposed SusChem+ Work Plan



CREATE ENVIRONMENT TO FOSTER INNOVATION CONTRIBUTION OF CHEMICAL INDUSTRY

