

# **SusChem Spain**

## **Spanish Technology platform for Sustainable Chemistry**

### **Annual Meeting**

### **May 13 - 2009**

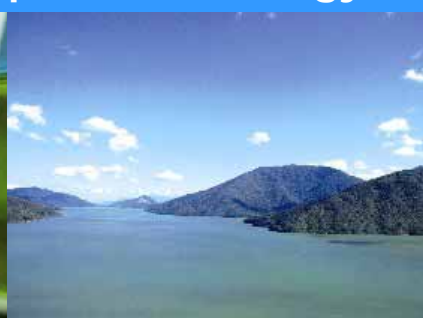
**Ger Spork**

**Innovation Manager CEFIC / SusChem**

**Email : [Jsp@cefic.be](mailto:Jsp@cefic.be)**

**Tel : + 32 2 676 73 87**

**A European Technology Platform for Sustainable Chemistry**



# 1. Update on SusChem ETP

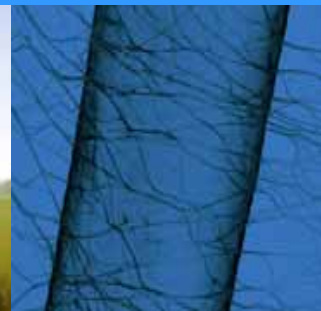
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# SusChem Objectives

**Task I**  
**Ensure & improve input into EU + MS Research agenda**

Strengthen competitive chemical industry in Europe based on technology leadership

Improve EU economic regulatory conditions to inspire chemical/biotech innovation

**Task II**  
**Effective Networking between the NTP's ( 9 + 2 ) and the ETP**

Focus on societal needs, contribute to sustainable development

Engage the best researchers

**Task III**  
**Add business through innovation element to SusChem**

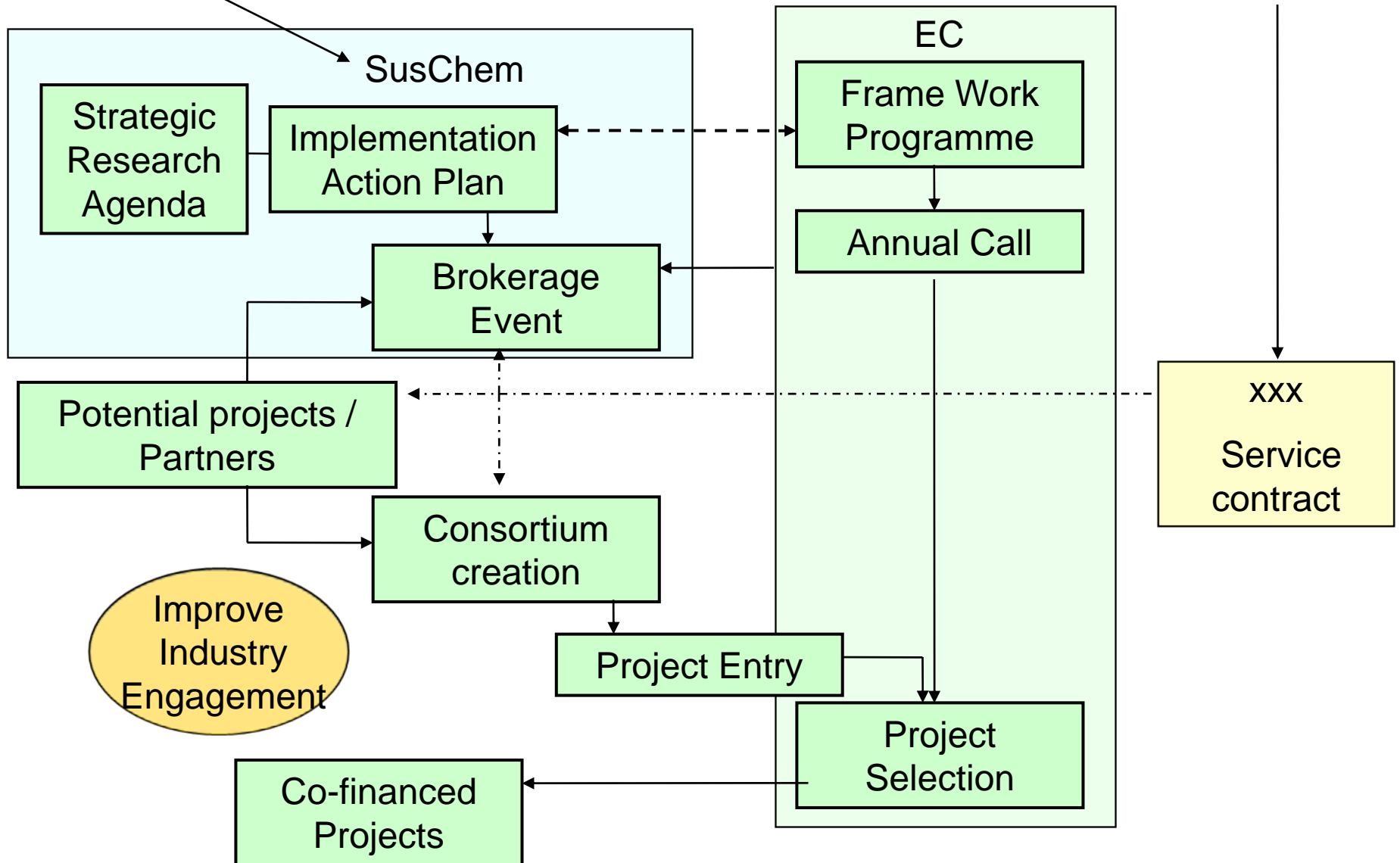
Sustainable chemistry research in Europe

# Overall Impact

NMP only

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>

Progress the SusChem succes :  
Frame Work Program Interactions



# Progress the success

- SRA and IAP were key deliverables that ensured effective interaction with EC - call proposals.
- IAP - Update process :
  - First update is completed recently , and highlights shared during Stakeholder Event ( febr – Prague )  
→ publication in June 2009
  - Board defined to move to a dynamic IAP update process : proposed annually to ensure inputs towards annual calls.
- Preparations started to work towards FP 8 – formally this will kick off in 2010
- Catalysis : SusChem support to ACENET :  
excellent progress towards continuation, and taken up in the 2010 – NMP call  
(NMP-FP7-2010-4-0-9 )
- Improve SusChem Communication and Advocacy activities :
  - 2009 Program defined, under leadership of board member
  - Includes an industry awareness / engagement activity
  - Includes a full redesign of SusChem Webpage
    - More dynamically, more focussed at external stakeholders
    - Launch expected by July 2009

# Progress the success

- Visionary Projects update

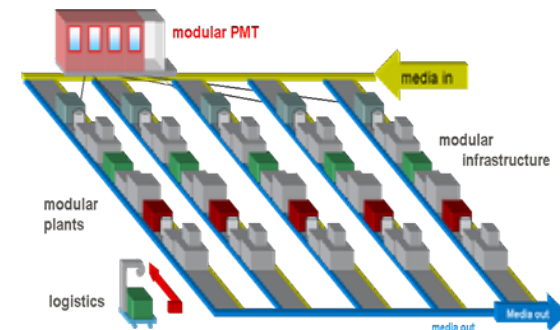
- Smart Energy Home :

- consortium in place and driving forward the concept. Very good fit also with the recovery plan ( Energy in Housing )
    - Paris – demonstration : refurbishment project :  
87 flats, constructed in 1930 – start mid 2010
    - Other options under evaluation but crisis is somewhat reducing the enthusiasm
    - Learning report : how to bring a visionary project into implementation stage.



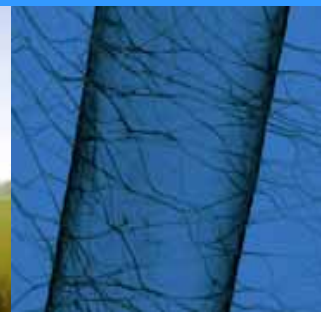
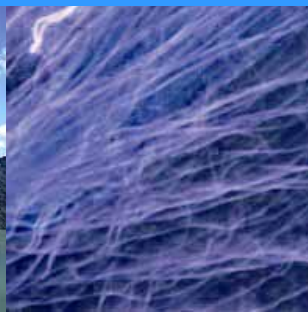
- F3 Factory : faster-flexible-future

- EC project negotiation ongoing
    - Start construction mid 2009
    - Project duration : 4 years



## 2. SusChem's role in Stimulation of Innovation across the Value Chain

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# Value Chain collaboration

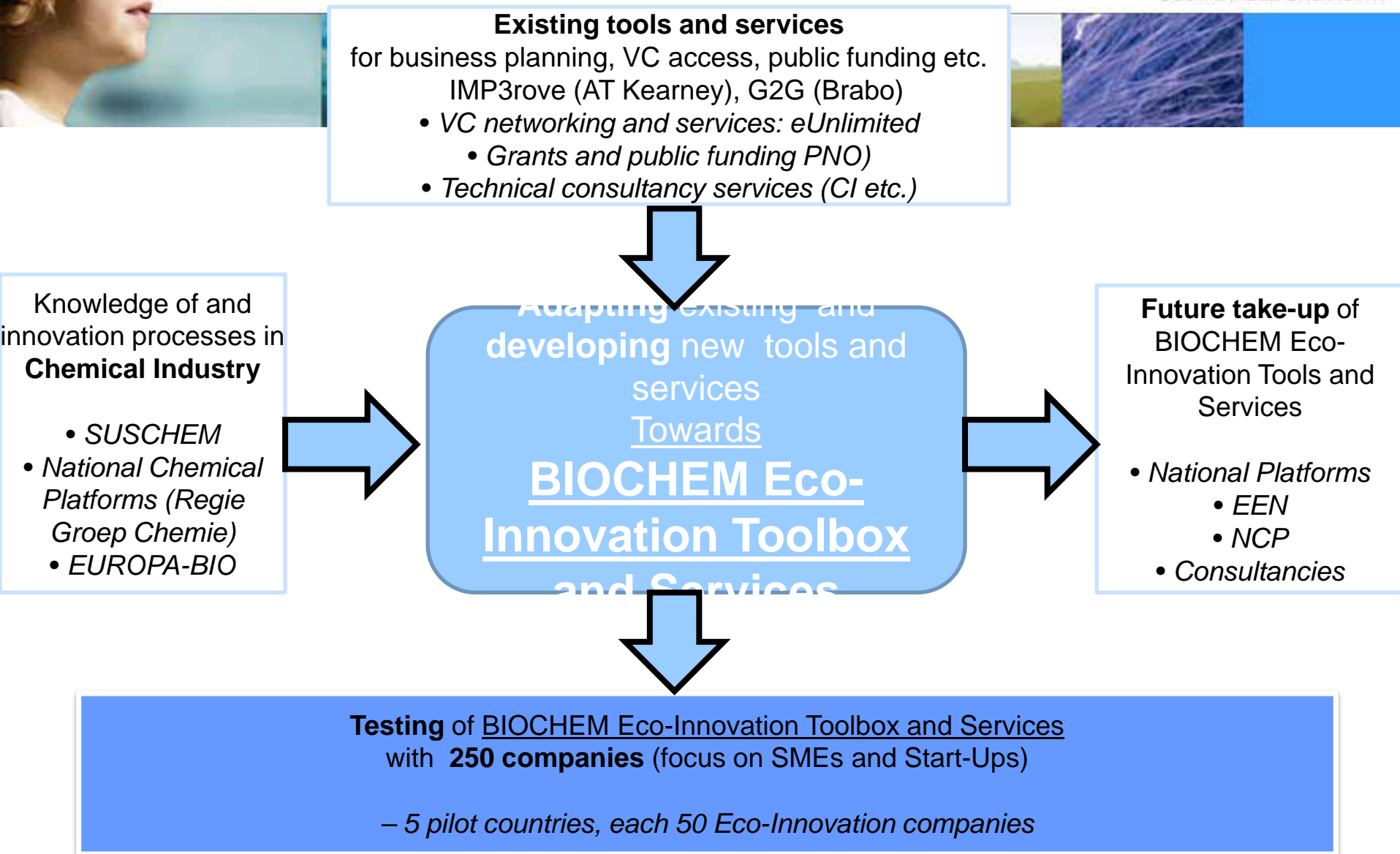
- Chemical Industry is clearly positioned “up” in the Value chain
- Value chain cooperation essential to drive solutions chemistry / chemical industry recognition as essential enabler contribution in many areas
- Aligns strongly with the Recommendations from the completed High Level Group on the Competitiveness of the European Chemical Industry
- Aligns very well with the ongoing ETP – expert group : report expected by end of July
- Good way also to reach out to SME’s, in concrete project collaborations
- Important task for total network : ETP + NTP’s

# Value chain collaboration

## 2 concrete examples

- INNOVA call – DG Enterprise – Eco Innovation (CIP) :  
SusChem enabling Project “BioChem”
  - Successfully completed project entry in febr. 09, with expected feedback – first round project selection – by May 09
  - BioChem : Providing tools and services for SME’s in Europe, active in White Biotechnology, to accelerate innovations.
  - Collaboration with NTP’s to create the project, some as partners, and many involved in the execution of the project.

# Project logic



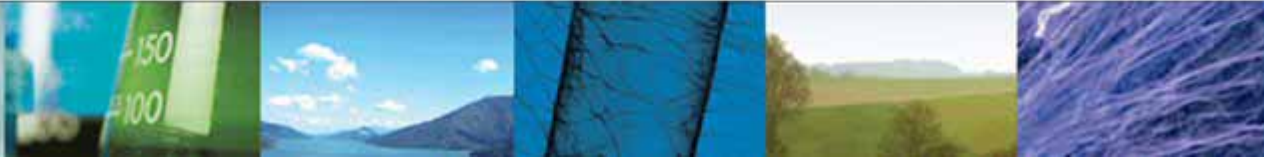
# Value chain collaboration

## 2 concrete examples

- SusChem & Water Sanitation and Supply Technology Platform
  - Collaboration frame work completed
  - Joint driving priority areas :
    - Define ( and possible demonstration ) of best practices of integrated Water Management systems, for water footprint of 2020
    - Process efficiency: Water use, energy, bio-based chemistry
      - Water use: cooling/heating
      - Energy: energy demand of water related processes
      - Bio-based chemistry: bio-energy production
    - New Materials and Process technologies

# Value chain collaboration


## 2 concrete examples



- SusChem & Water Sanitation and Supply Technology Platform – cont.

### Next steps :

- Steering team formed : 3 members from each Platform
- First review with DG Research completed for alignment and support towards 2011 program
  - Continue EC interaction for broader support towards a demonstration project
- Meeting to be planned for June, with broader stakeholder group to review the concrete project opportunities. This is also used as pre-consortium creation opportunity.

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- More concrete interactions with other ETP's planned on priority areas for Chemistry / Chemical Industry
  - Recovery plan, and related call's (expected in July), also give concrete opportunities for
    - Green cars : EPoSS, ERTRAC (batteries, light weight)
    - Factory of the Future : Manufuture
    - Energy in Housing : ECTP



[www.suschem.org](http://www.suschem.org)

THANK YOU