



CEO Meeting

May 9, 2012



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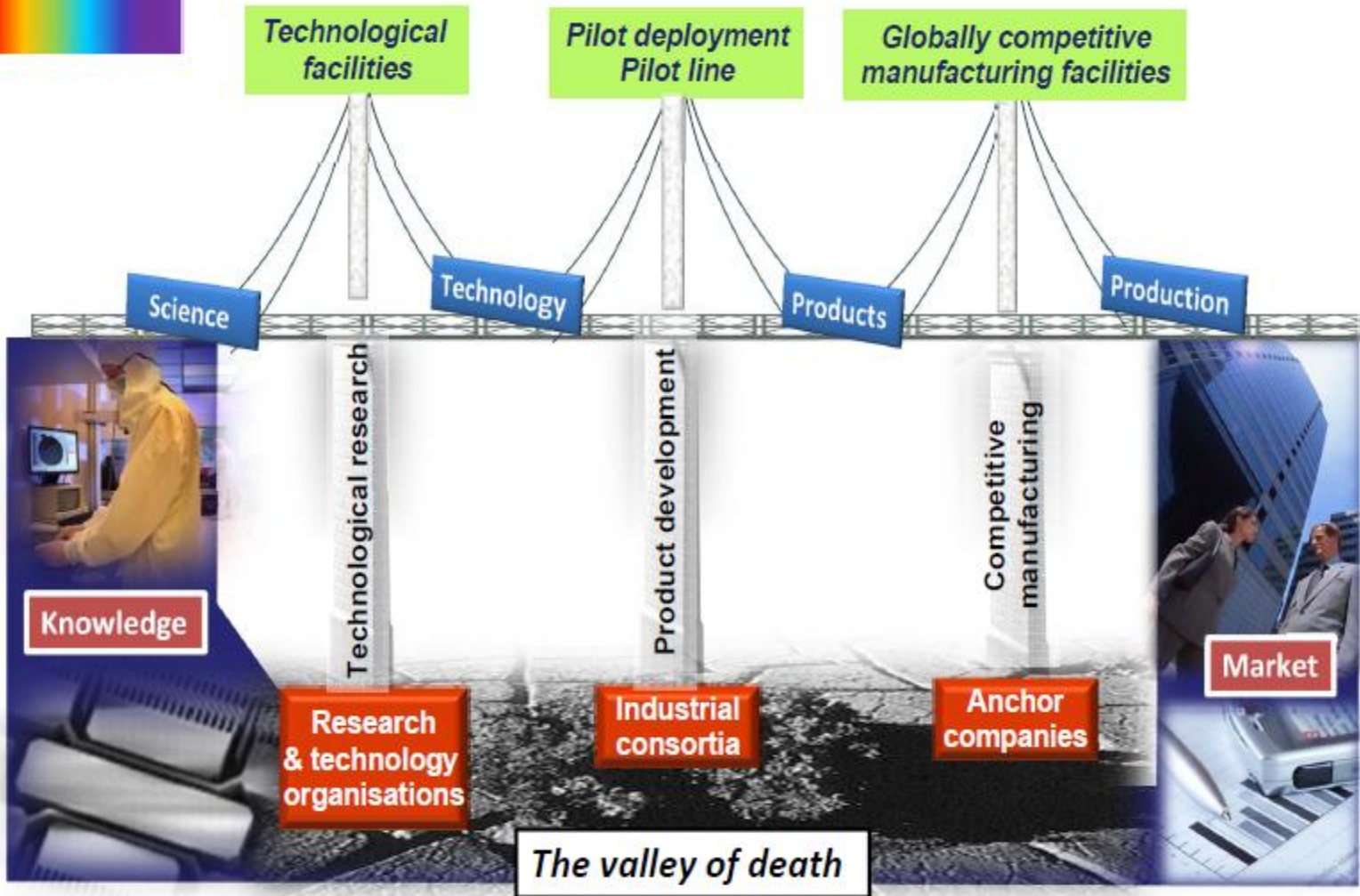


Why Innovation?

- **Key for competitiveness of EU Chemical Industry**
 - **New opportunities**
 - **Speed up innovation along value chains**
 - **Robust public-private engagement in selected pilot areas**
 - **Positive political recognition/support as innovation driver**
 - **Increased attractiveness as 'high tec' sector to younger generation**
 - **Create critical mass from industry across borders**



European « three pillars bridge » to pass across the « valley of death »



QUALITY OF LIFE
SAFE FOOD SUPPLY
CLEAN ENVIRONMENT
LOW CARBON SOCIETY
ECONOMIC PROSPERITY
SUSTAINABLE MOBILITY
HEALTHY CITIZENS



A STURDY INNOVATION TREE
NEEDS STRONG

ROOTS

**SPEEDING UP INNOVATION
THROUGH PARTNERSHIPS**

The European Chemical Industry:
enabler of a sustainable future

Process Industries in the Value Chain



Raw Materials



Process Industry:

Chemical, biochemical, and physical transformation and formulation of raw materials using continuous and batch processes into **Materials with new properties and functionalities**



Discrete Manufacturing:



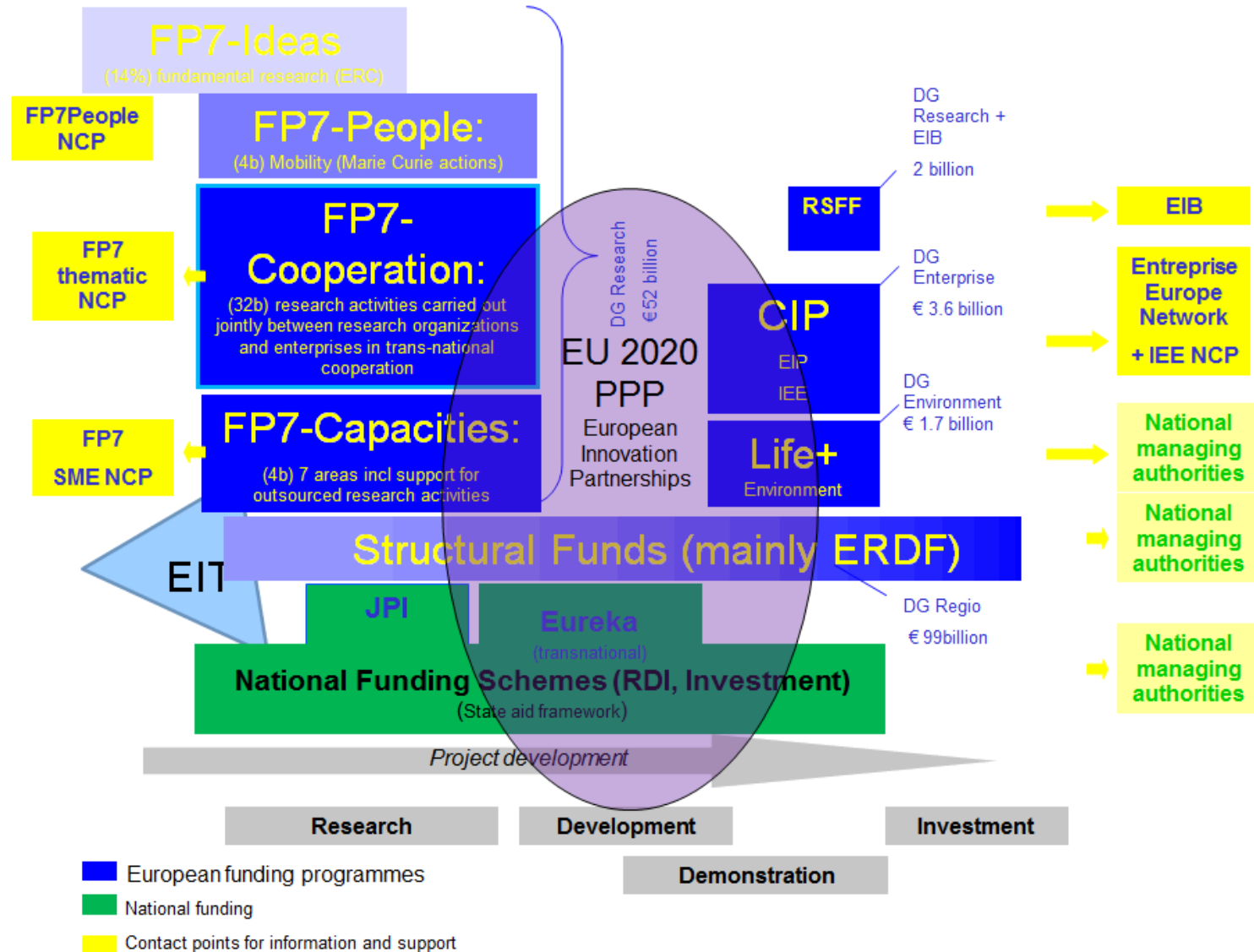


EU Chemical industry in future

- Recognition of shift from technology support to demonstration of societal value
- Mindset shift to more pre-competitive cooperation within sector and open innovation along value chain
- Visible leadership of Chemical Industry in Public-Private Partnership on societal challenges – “value chain captain”
- Broaden engagement of companies (big + SME 's) in Public Private Partnerships
- Change way we do things (i.e. more with less, change to renewables, closed loops, specialisation)



Jungle of EU Public Support





Through the EC Jungle of opportunities



January 2012

SusChem EIP update

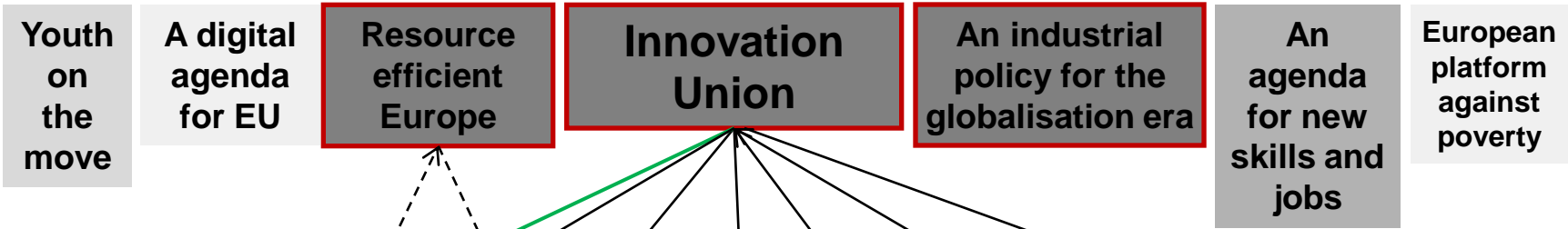


SusChem IAP Update 2010 Materials Technology



Europe 2020

Flagship Initiatives



European Innovation Partnerships (EIPs)



Financial instruments




Critical mass? - Outreach of EU Technology Platform SusChem




Drive the European synergies/alignment and National strengths and competences

 Czech Republic


 UK

 France


 Netherlands


 Germany


 Italy

 Poland

 Romania

 Slovenia

 Spain

 Belgium



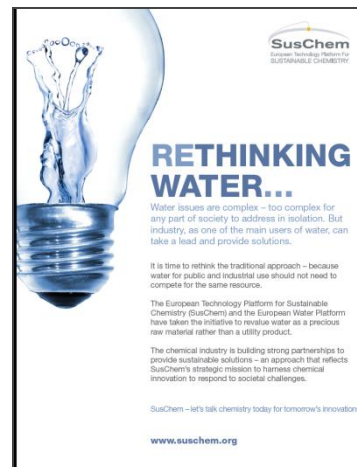
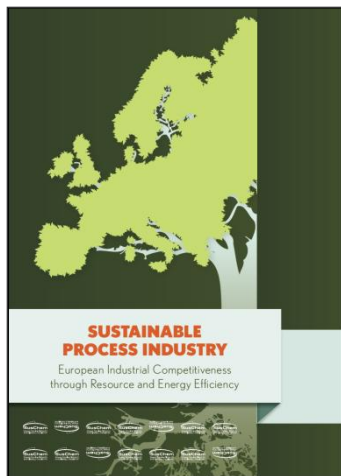
Links to Member States
Support transnational collaborations

Horizon 2020 (Common Strategic Framework)



- Combine "FP7" with "Competitiveness & Innovation Programme" (CIP) and European Institute for Technology & Innovation (EIT)
- Expected funding volume: 80 – 90 Bio € for 7 years (46% increase; R&I will be 8,5 % of EU Budget)
- Link to structural funding (smart specialisation)
 - **Proposal: November 30, 2011**
 - **Council and EU Parliament decision 2012**
 - **Start: January 1, 2014**

EU Innovation Union: Visible leading role for Chemical Industry



Europe 2020

Flagship
Initiatives

Youth
on
the
move

A
digital
agenda
for
Europe

Resource
efficient
Europe

Innovation
Union

An industrial
policy for the
globalisation era

An agenda
for new
skills and
jobs

European
platform
against
poverty

Horizon 2020

«excellence»
~28 bio€

«industrial
leadership»
~ 20 bio€

«societal
challenges»
~ 36 bio€

Input to research agenda
through SusChem

SPIRE

Key enabling
technologies
as Cefic

European Innovation
Partnerships (EIP)
(beyond Horizon 2020)

- Raw materials
- Water efficiency Europe
- Smart cities
as Cefic/SusChem

Cefic Information System on Research & Innovation Opportunities



Input via EU Technology & Innovation Platform SusChem into EC R&I agenda



Pre information on EC draft calls



- Cefic/SusChem evaluation on relevance for Chemical Industry
- Dissemination via SusChem NTP's
- Dedicated service from Cefic on 'what', 'where' and 'how' (Grant-it...)
- Participation of Cefic member companies in national information sessions (Info Days organised by FP7 NCP)



Publication of EC calls



SusChem European Brokerage event (18 September 2012) to find partners also along value chain



home grants news search submit your project +

grant **it** Right information

PNO

Right programme

research consortium building

cefic



grant **it**

Right partners

grant-it is a free service for Cefic members that aims to boost innovation activities in the chemical industry.

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PPP Proposal



SPIRE

Sustainable Process Industry

European Industrial Competitiveness through
Resource and Energy Efficiency





PPP – Value chain alignment

Value chain position	1 Exploitation	2 Basic Components	3 Enhanced Processing	4 Discrete Manuf.	5 Consumer Products
OIL existing	Oil / gas extraction	Crackers	Intens. Proc.	Factory of the Future	Market PPP's Alliance for materials Photonics Green cars Energy Efficient Building
CROPS KBBE	Industrial Agriculture	Bio Refinery	Industrial Biotechn.		
METALS/ MINERALS CRM EIP	Mining	Base Metals	Spec. Alloys Hybrids		

SPIRE



Skills for Innovation

in the European Chemical Industry

<http://www.cefic.be/Files/Publications/Skills-for-Innovation-in-the-European-Chemical-Industry.pdf>

cefic Speeding up innovation through partnerships

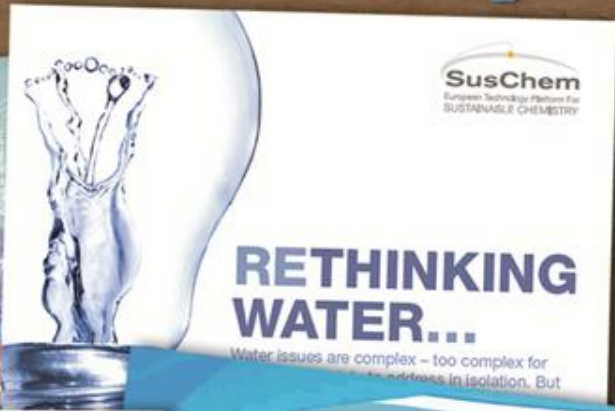
Innovation is much more than research...
 It is also about exploring knowledge and ideas to produce solutions that can be made broadly available as a practical solution is not innovation. And because it goes beyond research, innovation requires its own ecosystem. It may require new technologies and products but also, importantly, it requires new business models. The industry noted with great interest the recent change in European Commission's innovation policy. This truly establishes innovation as key to the future of Europe.

Photovoltaic cells

Tomorrow starts with Chemistry

Advanced materials for a sustainable future!

Conductive films

SusChem
European Stakeholder Platform for SUSTAINABLE CHEMISTRY

RETHINKING WATER...

Water issues are complex – too complex for simple solutions to address in isolation. But



SPIRE

SUSTAINABLE PROCESS INDUSTRY

European Industrial Competitiveness through Resource and Energy Efficiency



Light-weight materials



Exhibition
Piazza Bernini
5-8 September



10th SUSCHEM ANNUAL EVENT
 PARTNERING SOLUTIONS TOGETHER

10th SusChem Stakeholder Event

Partnering for Sustainable Innovation Through Chemistry
 Milestone Event

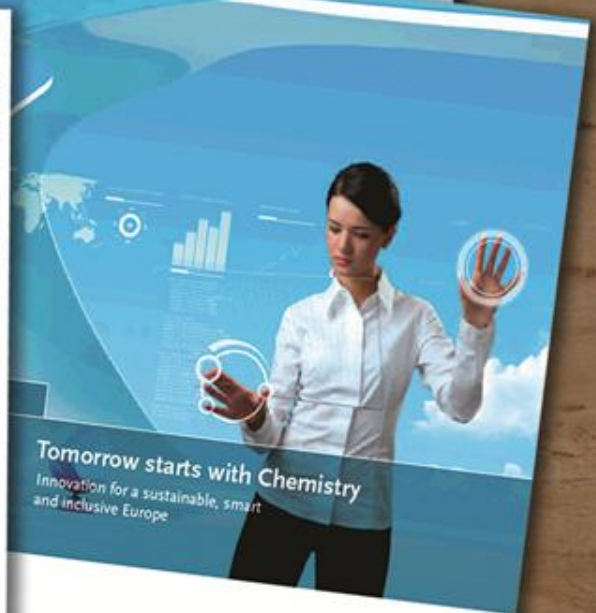
17-18 APRIL 2012 - BRUSSELS

Join us and get the latest insights on key topics!

- Water
- Sustainable process
- Raw materials
- Smart cities

SusChem
European Stakeholder Platform for SUSTAINABLE CHEMISTRY

www.suschem.org



Tomorrow starts with Chemistry

Innovation for a sustainable, smart and inclusive Europe