



Nanomaterials - a small issue with a big potential



Jenny Holmqvist



- We are the forum and the voice of the chemical industry in Europe
- With a Brussels based office of 160 people we are working with over 4.000 industry experts across the chemical industry
- Cefic's membership entails around 29.000 companies (96% have less than 250 employees)
- Together they have a direct employment of nearly 1.2 million people and represents 29% of the world production of chemicals

- Cefic represents the raw materials producers, of which some also provides finished products on the market
- Using the ISO def, our membership produce less than 20 substances at the nano scale
- Nanomaterial \neq Nano products



Cefic Structure

Director General's Office

EU Policy Centre

Communications

Product Stewardship

Industry Policy

Energy, EHS & Logistics

Legislation & Advocacy

Research & Innovation

Industry Sectors

Halogens/EuroChlor

Petrochemistry

PlasticsEurope

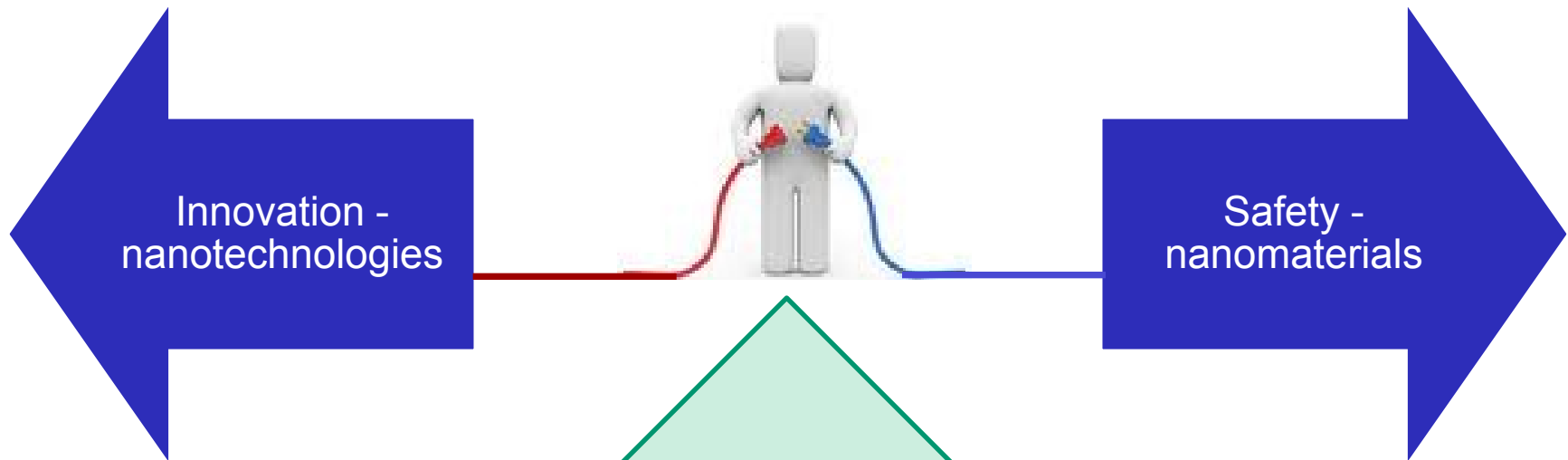
Fine, Specialty &
Consumer Chemicals

Affiliated Associations

National
Associations



Make the connection!



Nanotechnologies – the benefits are there, EU competitiveness can be assured, societal challenges solved

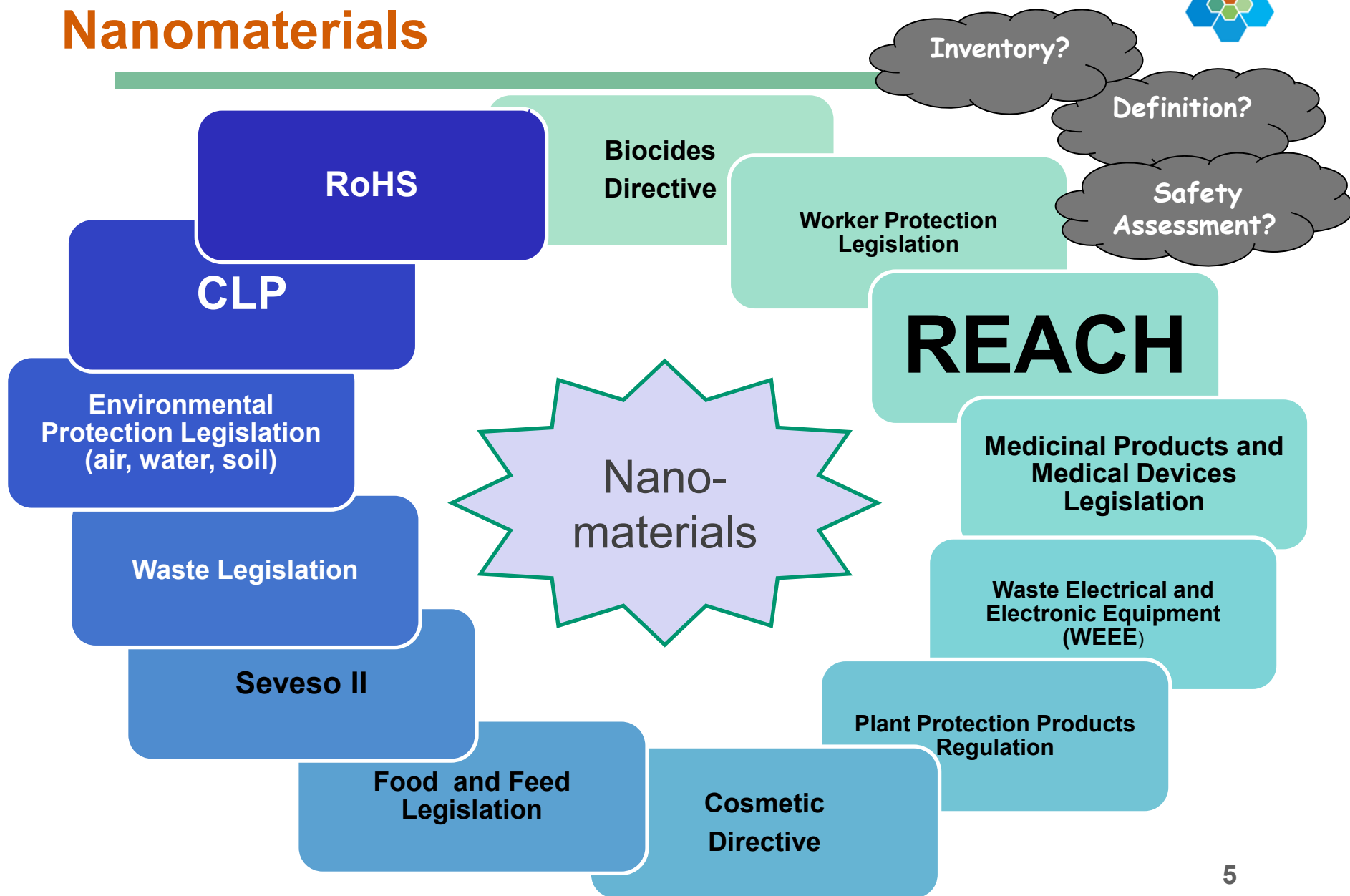
Nanomaterials – discussions on uncertainties, calls for total ban, demand for caution and reassurance



Industry

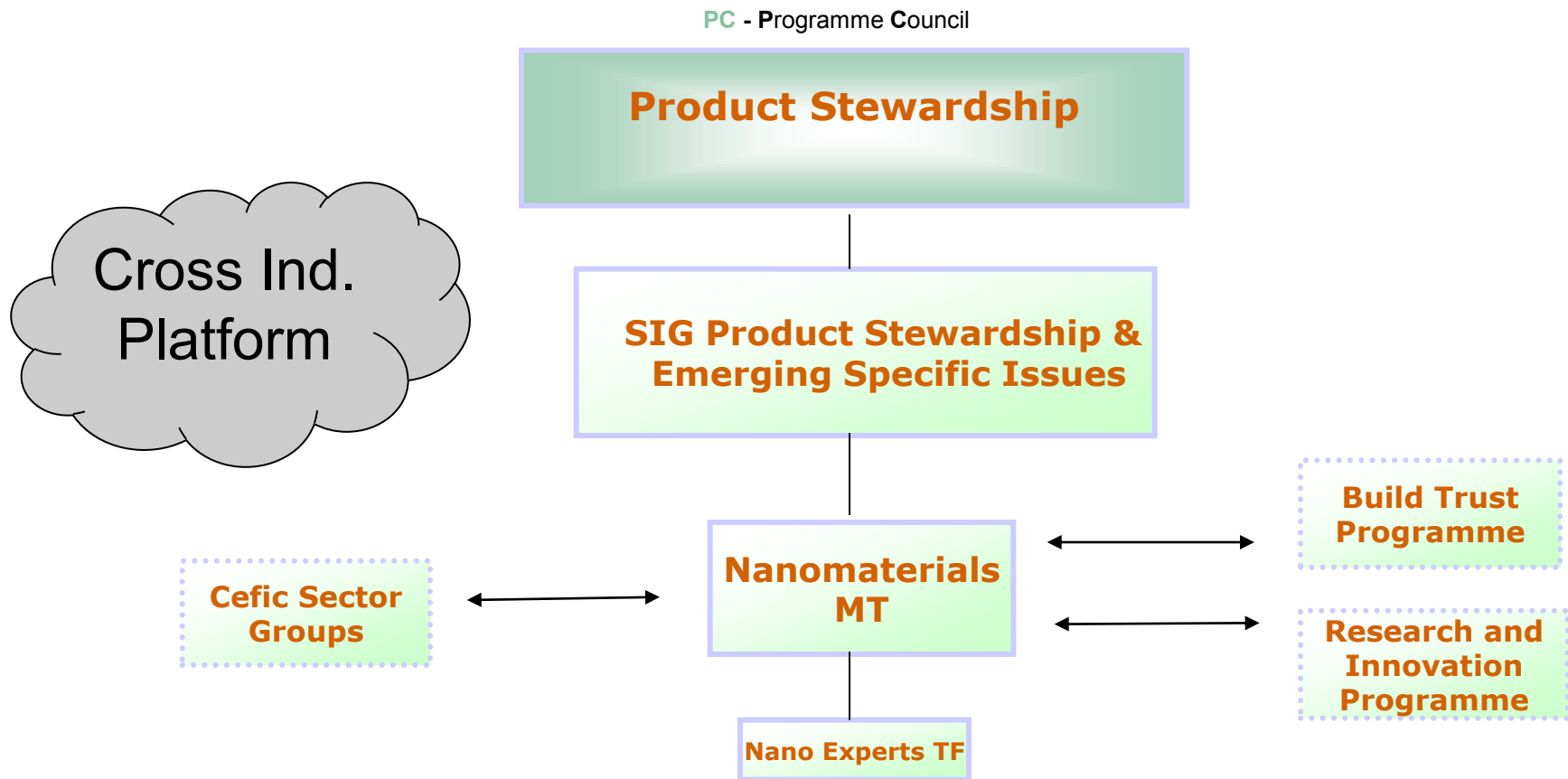
- Predictable legal framework
- Legal certainty
- Investments for the future

Existing EU legal framework and Nanomaterials

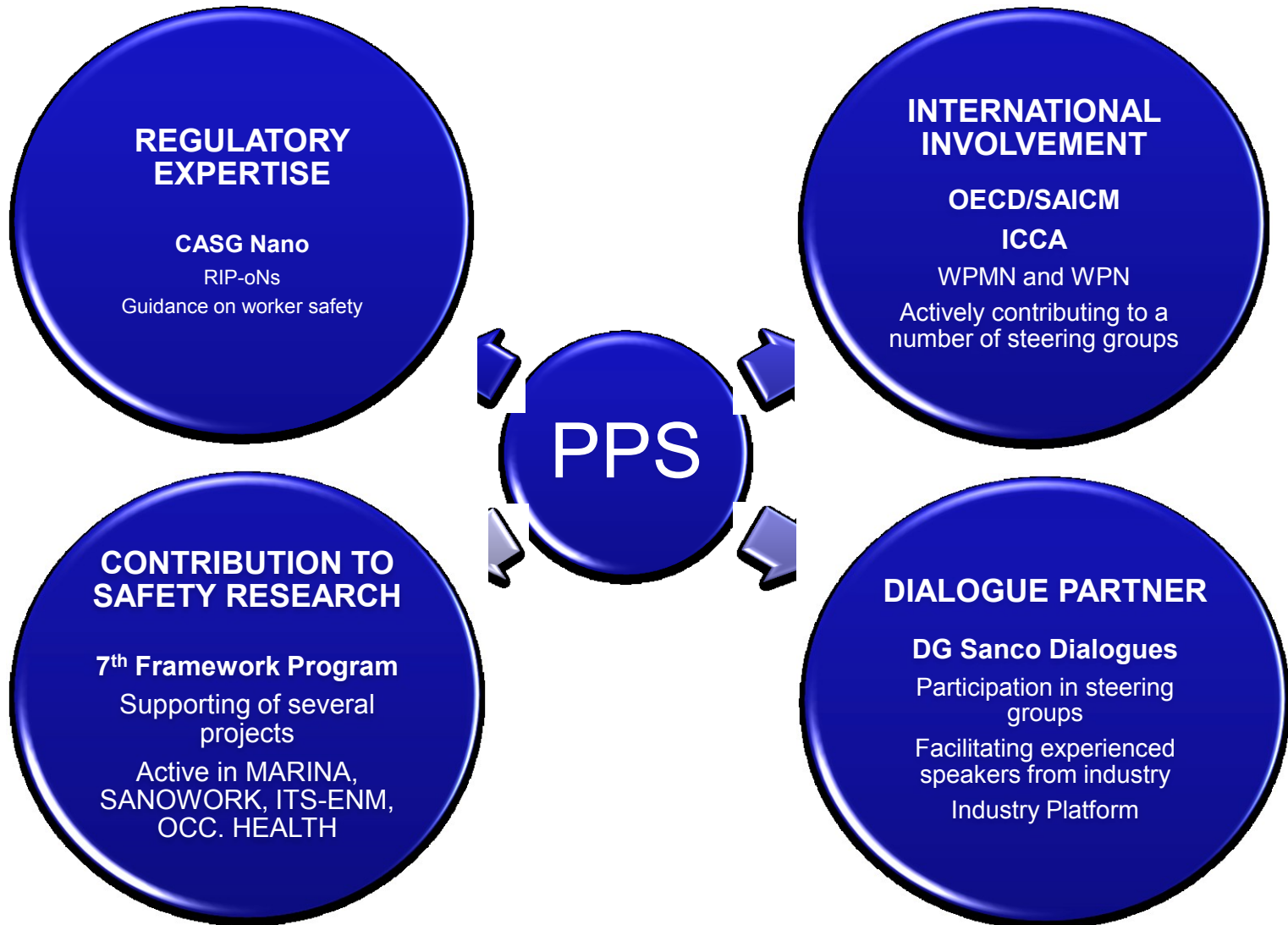




Product Stewardship structure



Product Stewardship (PPS) and nano – not a small thing





In the rear view mirror...

- **Cefic strategy and action plan endorsed**
- **Tools for communication agreed**
 - Key Messages
 - Responsible Care Guidance for Nanomaterials
 - Etc...
- **Internal Project Team up and running**
- **Expert Taskforce established**



Cefic's actions in the debate of a definition



Industry agreement on Definition

- ICCA agrees on a Definition for nano-materials – Oct -10
- Supported by Cefic

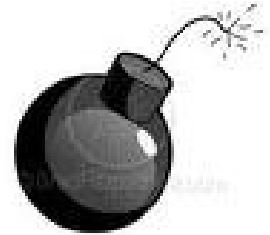
Input to public consultations

- Cefic input to SCENIHR consultation – Sept -10
- Cefic input to Commission consultation – Nov -10

Influence by "education"

- ICCA WS – Nov -10; illustrating the impact of the two proposals
- Cefic WS – Jan -11; taking the next step with particle distribution curves and implication of sample prep on the outcome.

Cefic actions – Mandatory Reporting Schemes

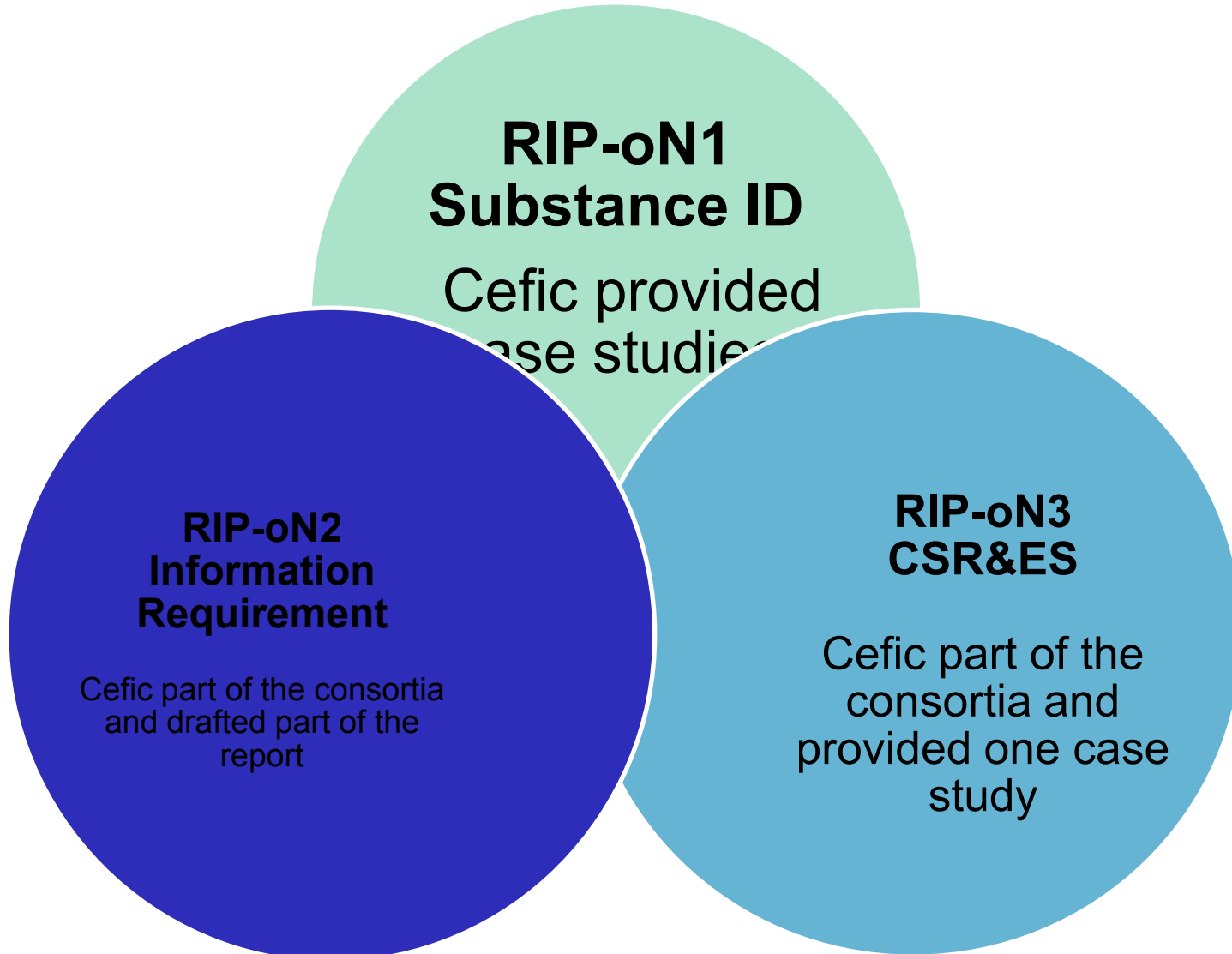


The issue is driven by concerns about the products safety

- **Positions agreed**
 - No additional inventory. Instead work within existing horizontal regulatory framework (e. g. Cosmetic Directive), Product Safety Directive, REACH and CLP
- **In addition, what questions will an inventory give answers to, when:**
 1. Lack of definition
 2. Based on claims without validation
 3. Will not demonstrate safety
 4. Difference of opinions within MS and industry
- **Further actions;**
 - Cefic to become an observer in the project



Cefic's role in the RIP-oNs



Research & Innovation



Strengthening the knowledge base

→ LRI projects, incl. societal acceptance of nanotechnologies

Integrated strategy from research to deployment

→ High level group KET (final report 29 June)

Defining future research & innovation needs

→ Active involvement of SusChem in NANO futures steering committee

Fostering dialogue

→ Series of stakeholder roundtables on 'risk / benefits' (first successful event May 25, second planned December 2011)

Key Enabling Technologies (KETs)



Importance of KETs

- **driving force** of the development of future goods and services
- Being at the forefront of competitiveness, innovation, **knowledge-based economy**.
- **modernisation of the industrial base** and in the further **strengthening of the research base**
- creating related **eco-systems of SMEs**

Defining KETs

- **Knowledge intensive** (high R&D and capital expenditure)
- Associated with **highly-skilled employment**
- **Multi-disciplinary**, cutting across many technology areas, converging
- Create **multiplier effects**
- Enabling process, good and service **innovation** and are of **systemic relevance**.

Communication remains a challenge



It is all about providing the right information to the right person at the right time whilst taking existing limitations into account.

- **Emerging technologies have to be developed in a sustainable manner to be viable where communication is the most important tool**
- **Investments for future applications makes some information highly Confidential Business Information**
- **Organising and actively participating in dialogues**
- **Companies are increasingly publishing their toxicological test reports on their websites**
- **Voluntary programs to generate and increase information sharing, transparency and communication globally; GPS**

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Communication – the next chapter



Objectives

- ✓ Ensure balanced communication on risks and benefits (based on societal challenges)
- ✓ Show responsible care attitude



Key messages

- Nanotechnologies bring tangible **benefits to society** and the environment
- The development of nanotechnologies is essential for **competitiveness** and growth in Europe
- Nanomaterials **can be effectively regulated** by implementing and adapting the EU's comprehensive regulatory framework
- Safety is paramount: potential **risks can be identified, assessed and controlled** using the existing risk assessment paradigm
- **Industry works with stakeholders** across the value chain to ensure that citizens can enjoy the benefits in a safe and sustainable way



Thanks for listening!

Contact details; jho@cefic.be

