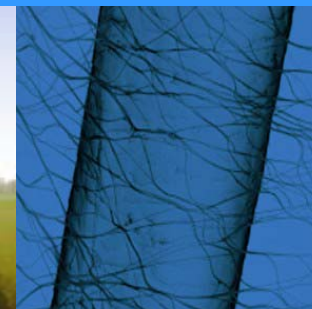


European Technology Platform for Sustainable Chemistry

Education and skills

A European Technology Platform for Sustainable Chemistry



European Technology Platforms

- A tool for the European innovation policy
- Provide a framework for stakeholders to define research and development priorities, timeframes and action plans on strategically important issues
- Led by industry
- Play a key role in ensuring an adequate focus of research funding
- Address technological challenges that can potentially contribute to a number of key policy objectives which are essential for Europe's future competitiveness
- Vision – Strategic Research Agenda – Implementation Plan
- Some 30+ ETP's operating

SusChem – European Technology Platform for Sustainable Chemistry



SusChem

- seeks to boost chemistry, biotechnology and chemical engineering research, development and innovation in Europe

SusChem will create conditions to

- maintain and strengthen the competitiveness of the chemical industry in Europe based on technology leadership
- meet society's needs in close cooperation with all stakeholders
- boost and sustain chemistry research in Europe
- improve economic and regulatory conditions to inspire chemical innovation in the EU
- contribute to sustainable development in Europe

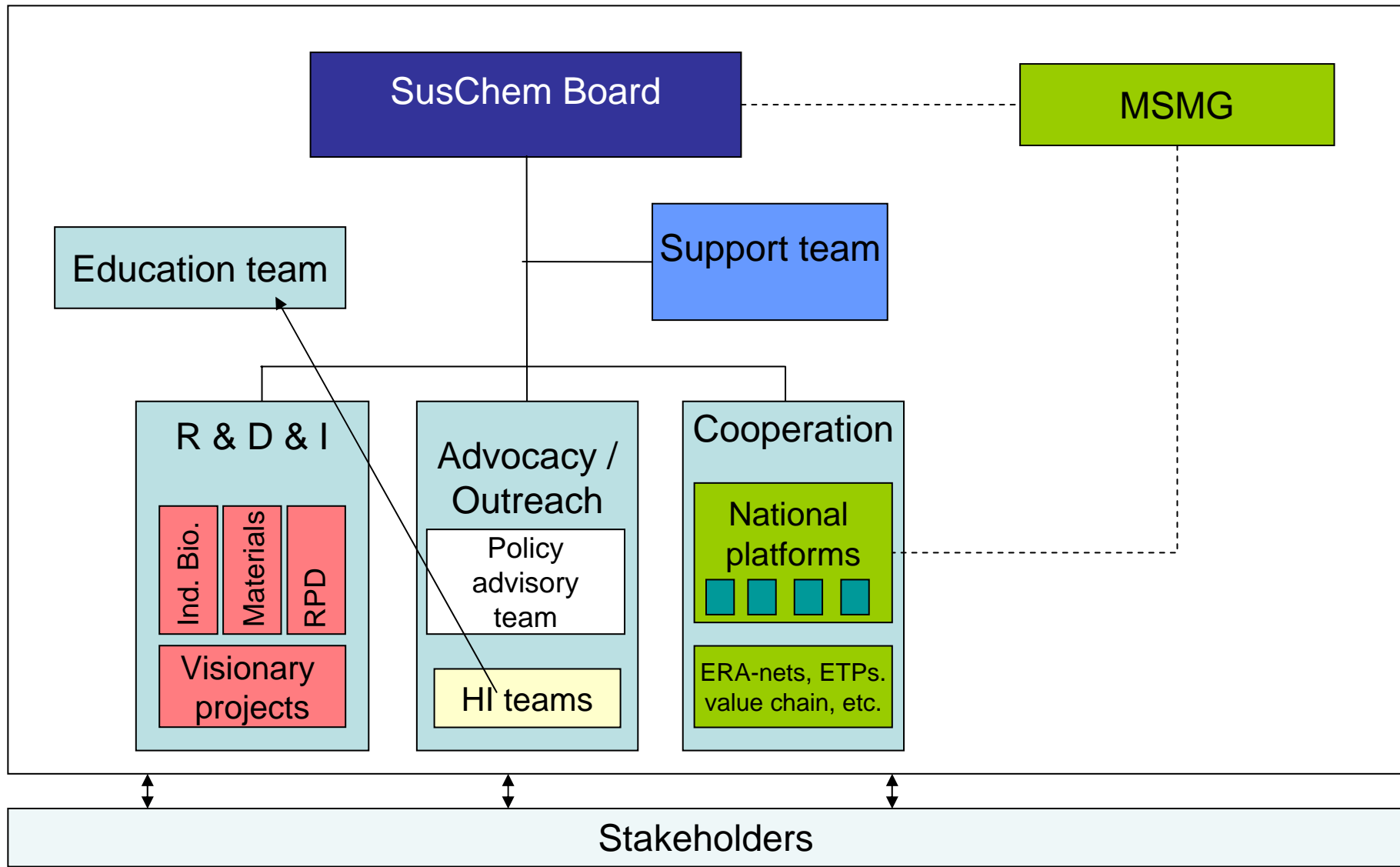
SusChem – European Technology Platform for Sustainable Chemistry



SusChem has already produced:

- **An integrated, shared Vision of a more sustainable future EU chemical industry**
- **A European Strategic Research Agenda for innovation in the prioritised chemical technologies**
- **An Implementation Action Plan**
 - **recomendations for mobilisation of resources for collaborative R&D**
 - **sustaining a strong European chemical science base**
 - **improvements for EU innovation framework conditions.**
- **Engagement with the wider stakeholder community in an open dialogue**
- **Research projects through FP 7 and other funding sources**

SusChem Structure





Education, skills and capacity building

Why?

- **Innovation not possible without skilled people**
- **Growing competition for skilled workforce**
- **The image of chemistry and chemical industry need attention**

How?

- **The industry has to commit to long term development of human resources and communicate the needs**
- **The universities and education institutions have to provide relevant courses**
- **Joint efforts for improving the image and attracting skilled people**

What?

- **Data on best practices – An education database established**
- **Data on real skills needs – A skills needs project planned**



SusChem – Education Database

SusChem developed this database with the objective to:

- **provide concise information for those who want to learn more about existing and planned activities and courses in the field of sustainable chemistry**
- **assist in the development of new secondary school and university courses -> dissemination of best practice**
- **promote new collaborative activities and provide information about sources of funding.**



SusChem – Education Database



- **To be used for**
 - **searching existing programmes**
 - **submitting new initiatives**
 - **finding partners for projects**
 - **finding sources of funding**
- **Includes initiatives from secondary school to PhD level**
- **Covers activities from Belgium, Finland, France, Germany, Ireland, Italy, the Netherlands, Spain and the United Kingdom**
- **See: <http://learning.suschem.org/>**

SusChem Skills needs project in preparation

- **A phased study to collect information about the number of people and skills particular to SusChem technologies**
- **Planned study in three phases**
 1. **A pan-European review of published data (desk research)**
 2. **Structured questionnaires/interviews to the HR and technical directors of the largest companies**
 3. **SME's needs**
- **Time frame to be considered: the next 10 years**
- **One year project with a hired consultant**
- **To be presented to SusChem Board - Funding from the EU?**



SusChem



- For more information:

www.suschem.org