



SOLVAY

asking more from chemistry®

Archives for a sustainable chemistry

Reflections and practical approach from a
corporate historian's view

Nicolas Coupain

Corporate Heritage Manager

AGENDA

1. Solvay at a glance
2. Sustainable chemistry ?
3. What role for corporate archives ?
4. Concluding remarks



SOLVAY

asking more from chemistry®

Solvay today

At a glance



30,000
employees



145
industrial sites



21
major
R&I centers



53
countries



€12.4
billion of net sales



€2,336
million of REBITDA

Pro forma 2015 figures including Cytec (unaudited)


14 Global Business Units into 4 Operating Segments



**Advanced
Formulations**



**Performance
Chemicals**



**Advanced
Materials**



**Functional
Polymers**

CSR Approach: the « Solvay Way »



Sustainable Chemistry

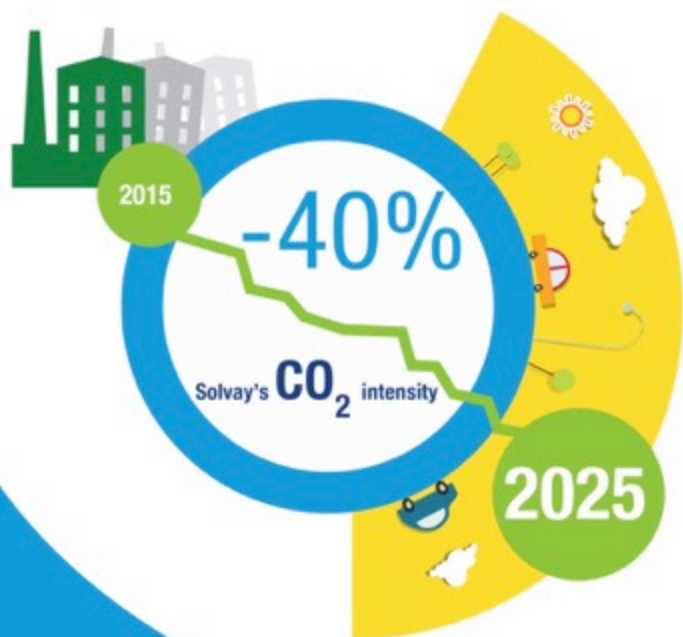
Objectives by 2025

1 GREENHOUSE GAS EMISSIONS

Reduce by 40% Solvay's CO₂ emissions intensity

Levers : energy efficiency, industrial processes, clean technologies, more renewables in energy production and supply.

In addition : internal carbon price at 25 €/t to take into account climate challenges in investment decisions.



2 SUSTAINABLE SOLUTIONS

Increase the share of sustainable solutions in the Group's business portfolio from 25% to 50%



3 PEOPLE ENGAGEMENT

Raise employee motivation and commitment to 80% from 75%



4 SAFETY ENHANCEMENT

Halve the number of accidents (MTAR <0,5)



5 SOCIETAL ACTIONS

Double the number of employees involved in societal actions





A long-lasting relationship with the Piccard's



A long-lasting relationship with the Piccard's



The long way to a sustainable chemistry

- Rise of public awareness during the 1960s
- High profile accidents in 1970s and 1980s → Growing regulatory framework
- Industry responses
 - Responsible Care Program (1985)
 - Technology development: Life-cycle assessment, Green chemistry, Green Engineering, Industrial ecology, Inherently safer chemical processes, product stewardship...
 - Corporate sustainability strategies: transparent public goals
- Enlarged scope: social issues and facing world challenges

How can business archives support sustainability?

- Internally
 - Capitalization of in-house technical know-how
 - Contribution to innovation projects assessment
 - Contribution to environmental rehabilitation
 - Support to HSE projects and crisis management
- Externally
 - Transparency and improving stakeholders' knowledge
 - Sustainability studies (on economic, social & environmental issues)

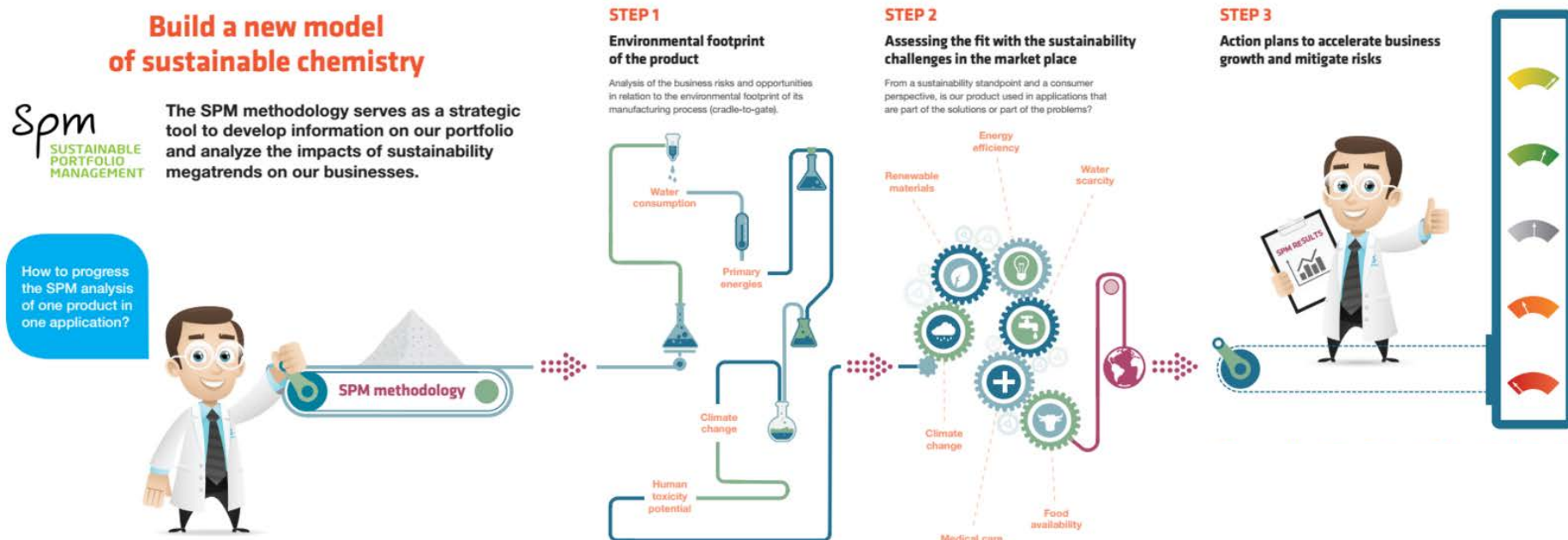
Support to sustainable innovation

- Technical Knowledge Management tool: CaSTeL



Contribution to innovation projects assessment

- The Sustainable Portfolio Management Tool (SPM)



Contribution to environmental rehabilitation

- Remediation projects
- Management of closed sites
- M&A projects and post-M&A claims



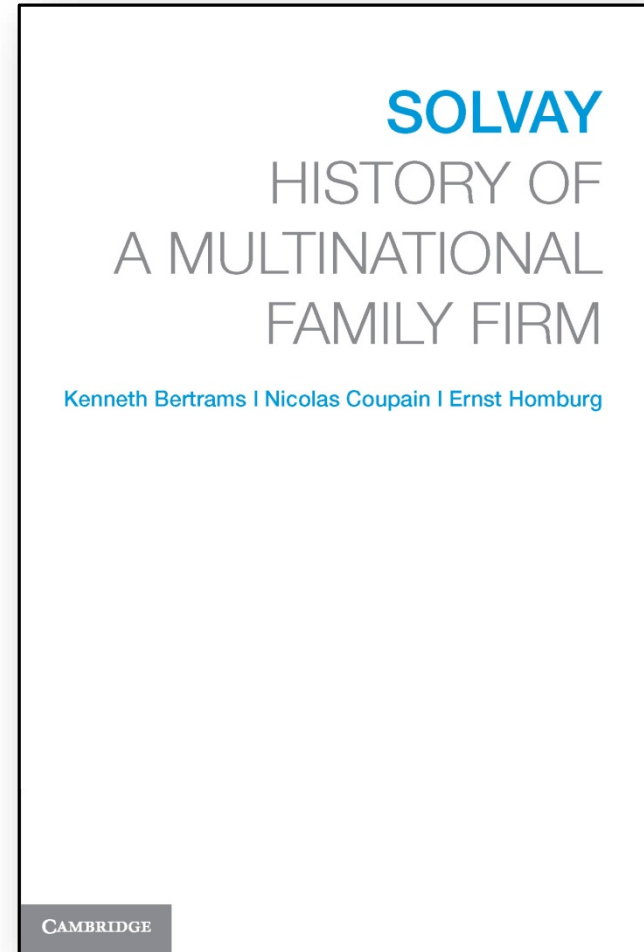
Support to HSE projects and Crisis management

- Database on toxicological studies
- Occupational health
- Crisis preparation and communication



Heritage and Corporate Social Responsibility

- 150th anniversary: a turning point
- Transparency
- Scholarly history > myths and tales
- Heritage management is part of CSR



Sustainability studies

- Economic issues
 - Strategy & organization of a multinational group
 - Long term performance
 - Adaptability in rapidly changing contexts



Sustainability studies

- Societal issues
 - Full-fledged social policy
 - Industrial relations & labor organization
 - Support to science & education



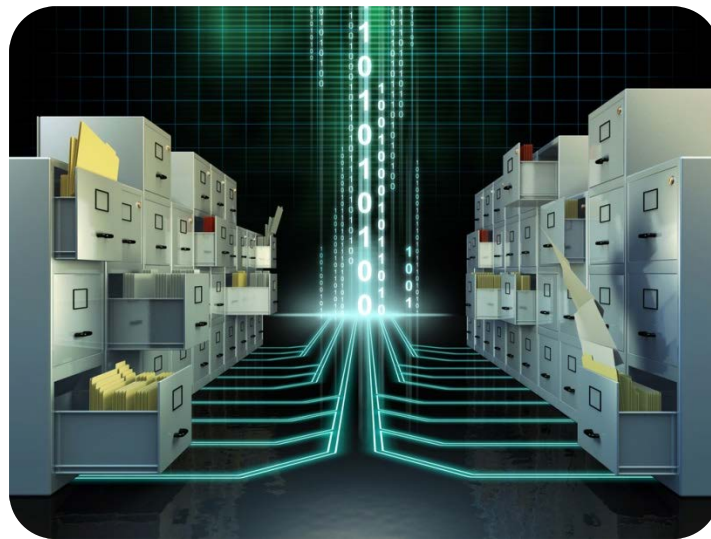
Sustainability studies

- Environmental issues
 - Effluents and waste management
 - Vinyl Chloride toxicity
 - Chlorine chemistry and CFC's under public pressure
 - PVC recycling



Concluding remarks

- Multiple uses of business archives for more sustainable and responsible organizations
- Strategic positioning of corporate archives to become themselves sustainable into the organization



Thank you for your attention !



SOLVAY

asking more from chemistry®