

The Impact of Formulation on Carbon Footprint: An Interactive Workshop

Intelligent Formulation Limited
Jim Bullock



November 2010
www.intelligentformulation.org

The Formulation Innovation Network

Helping Businesses To Innovate Better in Formulation

Providing business benefit by accelerating innovation in formulation

- Facilitate research / knowledge transfer across industry sectors
- Address future challenges and opportunities
- Simplifying /enabling access to funding

Industry-led network

- Brokering collaborative partnerships for companies – e.g. public funded
- Companies guide our direction
- Industry Steering Group



A specialist deliverer of



Supported by



The Region's Development Agency



Project Part-Financed by the European Union European Regional Development Fund



Intelligent
Formulation
Everything can be better

Carbon and Sustainability Activities

- Lean Formulation
 - Links Formulation with Lean Manufacturing
 - Connected to Waste
 - Right first time
 - Increased productivity
 - Reduced energy
- CRC Energy Efficiency
 - Carbon Emission Charge £12/ton (presently)
 - Reward for Early Action Metrics
 - Advice on how to achieve this



Workshop Plan

1. Richard Henderson (GSK)
Lessons Learnt from Measuring Green Chemistry Performance
2. Brian Watt (Innospec)
Different Strokes For Different Folks
3. Mike Pitts (Chemistry Innovation KTN)
Carbon Footprinting the Lifecycle of Products – the CCaLC Tool
4. Workshop Group Exercise



Workshop Exercise

David Calvert

- What are the existing environmental impacts of the product?
- Where are the areas for improvement?
- What is your action plan?
- Appoint spokesperson
- 20 minute discussion
- Three minute pitch
- Scored by judges / investors



Workshop Exercise

- Group 1 – Green and Black Chocolate
 - David Calvert
- Group 2 – Gaviscon
 - Jim Bullock
- Group 3 – Washing Powder
 - Graham Clayton
- Group 4 – Paint
 - David Higgins
- Group 5 – Shampoo
 - Simon Gibbon

