

The Low Carbon Vehicle Partnership

2004 Achievements

Annual Conference

10th February 2005

Graham Smith

Chairman, Low Carbon Vehicle Partnership

Low Carbon Vehicle Partnership

*Accelerating a
sustainable shift to low
carbon vehicles and fuels
in the UK*

*Stimulating opportunities
for UK businesses*



APEX
SPECIALIST CONSULTANTS IN
CORROSION SOLUTIONS

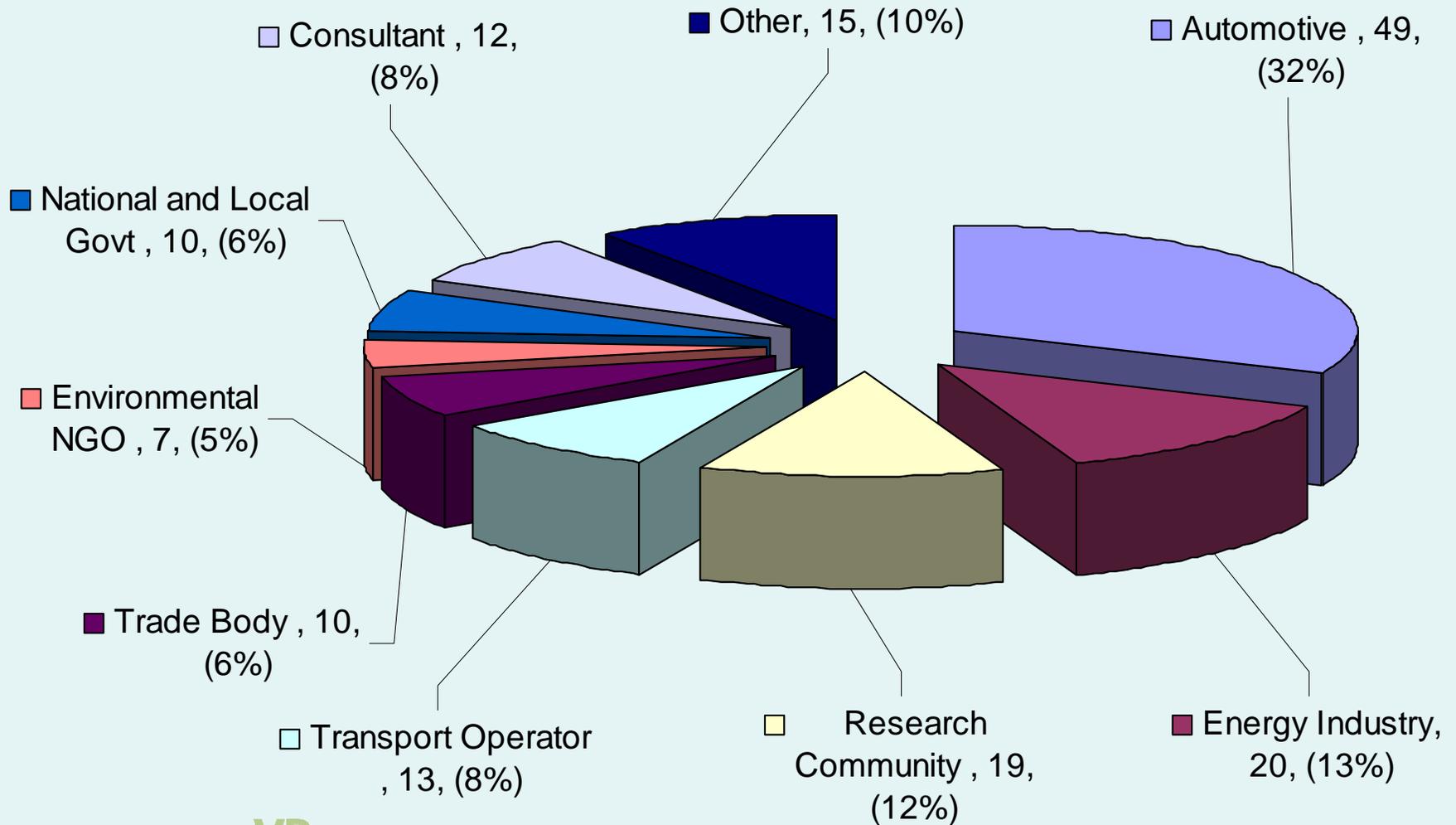
AEW1718-120 Photographs by Emily Whitfield-Wicks 16-08-04
Flash flood rips through Boscastle, Cornwall.

LowCVP Activities

- ❑ Action by members
- ❑ Advice to Government
- ❑ Activity areas
 - Research
 - Policy development
 - Programme advice
 - Monitoring and review
- ❑ Progress achieved through consensus



155 Members... and growing



Biofuels



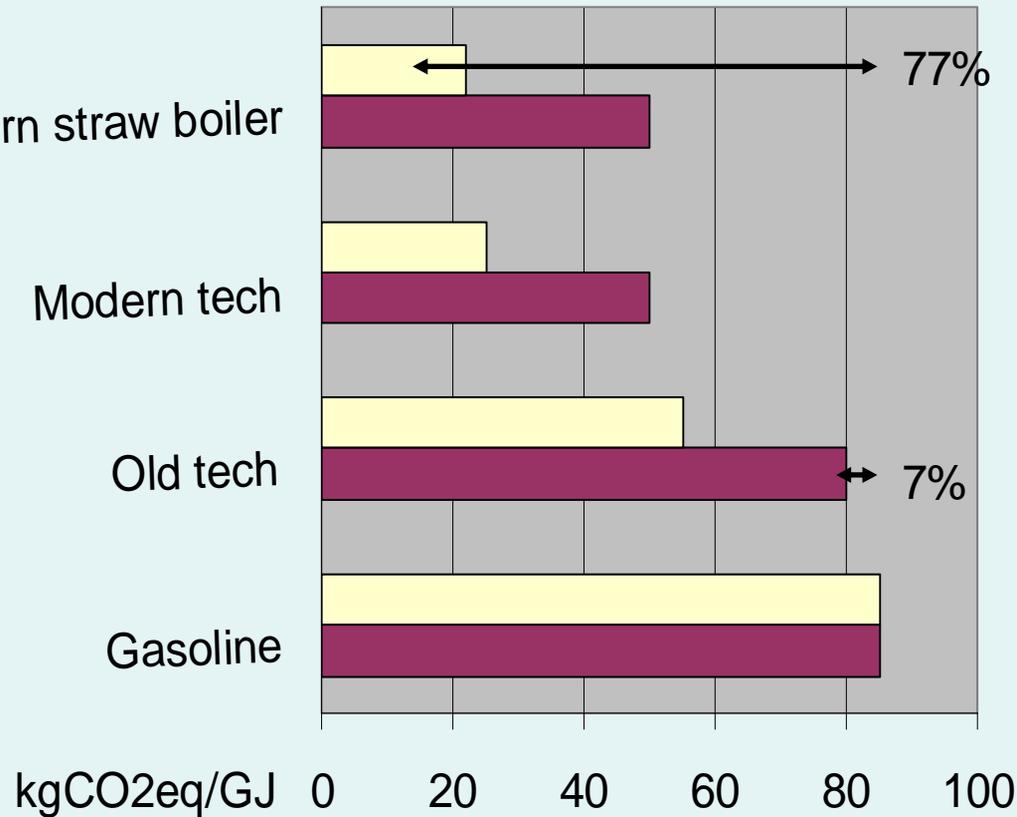
Bioethanol from wheat

Consensus reached on methodology for C-balance calculations for wheat to ethanol

C-balance (and cost) of bioethanol production strongly dependant upon

- Fuel production methods
- How by-products such as straw and DDGS are used

Principles and approach to biofuels accreditation agreed



DDGS as energy and electricity export

DDGS as animal feed and electricity export

Advanced biofuels

A new generation of biofuels produced from organic waste or woody biomass are currently under development and may offer further opportunities to improve biofuel yields, greenhouse gas savings and environmental impacts in the future



Centre of Excellence for Low Carbon and Fuel Cell Technologies



Holywell Campus,
University of Loughborough

- ❑ To be launched in Spring 2005 at Loughborough University
- ❑ Create stronger linkages between academia, supply chain and OEMs
- ❑ Partnership developed Supply Chain database will form a key element of Knowledge Transfer Activities
- ❑ Research priorities identified through Partnership R&D Working Group

Notable Achievements in 2004

- ❑ Response prepared to the TransportEnergy consultation
- ❑ Advice provided on the future of Voluntary Agreements with Car manufactures
- ❑ Research into barriers to purchase of low carbon vehicles
- ❑ Car labelling scheme agreed



Citaro, TfL Hydrogen fuel cell bus at the LowCVP / EST Green Vehicle 'Expo' at the Labour Party Conference, Brighton

Further Notable Achievements in 2004

- ❑ Low Carbon buses defined to support the Bus Programme
- ❑ Proposals for Enhanced Capital Allowances to encourage purchase of energy efficient equipment for commercial vehicles
- ❑ Strategic review initiated

