A personal vision of Sustainable distribution

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Short version

• Productivity

The end
Long version
History

• Suggested to/asked EPSRC 3 years ago
• Call issued 2 years ago
• Proposal selected 1 year ago
Why

- EPSRC supports good quality research
- Industry wants good graduates
- DfT wants answers to policy problems
- Synergy
Why Green Logistics

- Responsive vs specified research
- Stability for the academic teams
- Critical mass to compete for work
- Synergy
Reliable, safe and integrated transport for everyone, which respects the environment.
For logistics

- Congestion
- Local air quality
- Greenhouse gases
- Safety
Sustainable policy

- Economically viable or minimised impact of regulation
- Embedded into industry norms and wants
Visible drivers

• Improving productivity year on year
• Measure, manage, improve, measure
DfT logistics research and industry transformation
Current and past research

- Best practice - research, guides, dissemination
- Real cost of global outsourcing – risk, lead time etc
- Reverse logistics – taking in accountancy
- Logistics of waste – integrating business and domestic
- Fuel consumption vs payload
• Supply chain resilience

• 1000 SME business reviews

• Key performance indicators (Food, drink, non-food retail, automotive, road leg of air cargo, pallets, parcels, builders merchants)
• Food miles

• Safe And Fuel Efficient Driving (truck, van and working with colleagues on buses and communicating principles to car users)
Forward research

• Blue skies – reliant on Green Logistics

• Short term – an opportunity to submit ideas
Tests of ideas

- Is there a really a problem?
- Is there a generic solution?
- Can it be embedded and self-sustaining?
- Can we estimate the benefits and later quantify them?
DfT challenges – research opportunities

- Congestion
- Security of fuel supply
- Resilient supply chains
- Greenhouse gases
- Embedding and commercialising solutions
Concluding thoughts
Productivity?

- Per unit of externality
- International competitiveness (survival)
- Drives prosperity
- Funds public services
Thank you

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