



Transport Issues

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Transport is all about

- Moving
 - People and goods
- Any new applications must deliver on at least one of:
 - Increase efficiency
 - Improve predictability
 - Improve convenience
 - Improve safety
 - Reduce environmental impact
- Without deterioration in any of these areas

Or as the rail industry says

- It's all about
 - Cost
 - Carbon
 - Capacity
 - Customer
- But we should also add for all modes
 - Care
 - Safety

Examples

- How can I pack more loads into my truck, train wagon, ship hold?
- Where is my:
 - high value cargo; teenage son/daughter;
 - room in this block where my next meeting will be held?
- What is likelihood of:
 - landslide on the A83 today;
 - traffic jam on the A34 north of Tewkesbury at 8am tomorrow;
 - need for replacement works on my bridge in next 6 months?
- How can I:
 - get to my next destination minimising fuel use;
 - Know there is nothing to cause me to crash around that next bend?

Constraints

- Transport operates on low margins
- Safety and regulation are paramount
- Lots of stakeholders involved in many of the decisions
- A range of project time horizons and life cycles

- COST



Thank you

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