

Tranzinfo Hot Topic

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Sustainable transport

A selection of recent publications and resources on sustainable transport issues.

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1. Delivering sustainable transport : the client's perspective

Mann P.

Presentation delivered at: Sustainable Transport : Meeting the Challenge of Future Transport Policy in Practice Conference
New Civil Engineer, London, England, July 2007

Addresses how local and national government policy can drive sustainable transport initiatives such as park and ride schemes, and how sustainable transport schemes achieve political consensus. Gives the client's perspective on: improving the efficiency of existing transport links, delivering successful integration policies, network efficiency, squaring best value with sustainability and explaining how sustainable transport can be cost effective

2. Distribution is sustainable

Turner R and Mitchell K

Transportation Professional, 2007
June, pages, 30-31

Shows that the importance of freight transport for growth in the United Kingdom has been reaffirmed by the Eddington Transport Study. Reviews the UK freight transport and its recent successes and needs for the future.

3. Examining the importance of road user attitudes towards integrated transport options

Watters P

Presentation delivered at: Sustainable Transport : Meeting the Challenge of Future Transport Policy in Practice Conference
New Civil Engineer, London, England, July 2007

Provides the road users' perspective on sustainable transport schemes and investigates the reasons why other modes of transport can be unpopular in certain cases. Explains the lessons to learn from the nationwide success of various park and ride schemes.

4. Green is good

Whittaker J

ATN : Australasian Transport News, 2007
March, pages 46-49

A look at what more the transport industry can do towards reducing the environmental impact of its operations including the economic costs associated with "being green".

5. IBM Flexible and Mobile Working Programme : reducing emissions by reducing the need to travel.

Godwin C
Presentation to Responsible Car Use : Benefiting Businesses and Tackling Climate Change Conference
London, England, 2007

Investigates climate change and how transport is contributing to that and emissions of CO₂ by transport mode. Discusses ways to reduce CO₂ emissions, including a hydrogen fuel-cell and electric vehicle systems (wind, solar and nuclear) and relying on liquid fuels derived from biomass. Asks whether a 60 per cent CO₂ reduction target in the UK domestic transport sector can be achieved by 2030. Travel behaviour change approaches are covered including speed limits on motorways and the problem of peak oil and how this will affect transport in the future.

6. ISO International Standards in support of sustainable development

Murby H
International Standards, 2007
August/September, pages 7-8

This article highlights the role that ISO's International Standards have in promoting economic and social development and changes in environmental practices.

7. It's all hot air : carbon and climate change

Hutton C
Consumer, 2007
Issue 472 (August), pages 8-12

When New Zealand ratified the Kyoto Protocol in December 2002, it agreed to take responsibility for its greenhouse gas emissions but our per-capita emissions of greenhouse gases are surprisingly high, in international comparisons. Looks at where these come from and what is being done to reduce them.

8. Looking down the road to a sustainable future

New Zealand Local Government, 2007
June, page 14

Discusses innovations in the road construction industry in New Zealand. Examples include recycling of roading materials and cutting back on waste in the construction process.

9. Making the transition to a low carbon economy : the role of transport and planning policy

Wenban-Smith A
Presentation to Responsible Car Use : Benefiting Businesses and Tackling Climate Change Conference
London, England, 2007

Includes assessment of the extent to which planning policy influences travel behaviour. Considers at what level this policy can best be implemented, examples of what spatial planning can achieve, and the need to look at the broader transition to a post carbon economy.

10. Minister of Transport's priorities

Motivate, 2007,
Summer, page 4

Outlines some of the issues involved in implementing the New Zealand Transport Strategy.

11. Monitoring sustainability in highway maintenance

McIvor S
Transportation Professional, 2007
Issue 4, pages 22-23

A brief overview of a methodology for auditing the sustainability of highway maintenance practices.

12. Moving people, moving cities

Rat H
Railway Gazette International, 2007
January, pages 21-22

Paper arguing the case that cities and regions can only be sustainable if they have dynamic and efficient public transport, but at the same time public transport can only be dynamic and efficient if it is fully integrated with urban policies.

13. Promoting public transport using marketing techniques in mobility management and verifying their quantitative effects

Taniguchi A and Fujii S
Transportation, 2007
Vol. 34 Issue 1 (January), pages 37-49

Presents Mobility management (MM), a transportation management policy that uses "soft" measures to attempt to reduce car use and promote sustainable transportation modes such as public transport, bicycles, and walking. Describes a case study of using MM measures to implement an experimental community bus service in Japan.

14. Reducing car commuting through employer-based travel planning in Perth, Australia

Wake D.
TDM Review, 2007
Issue 1, pages 11-13

A look at the TravelSmart Workplace program operating in Perth, Australia, which aims assist employers to reduce car trips generated by their workplaces.

15. Reducing greenhouse emissions and fuel consumption : sustainable approaches for surface transportation

Shaheen S. and Lipman T
IATSS research, 2007
Vol 31 Issue 1, pages 6-20

Provides an overview of transportation greenhouse gas emissions and examines a range of emerging technologies that could assist to reduce negative transportation sector impacts.

16. Roads of rubber and glass

Le Couter C
Inroads, 2007
August, pages 22-25

Review of the current state of play in terms of recycled materials used in road construction and what innovations are in the pipeline.

17. Sustainability and the LTCCP : Kapiti Coast District Council

New Scientist, 2007,
7 March, pages 30-31

Provides a snapshot of this New Zealand local council's roles and responsibilities regarding sustainable development.

18. Technological developments : looking to the future

Smith RA
Presentation delivered at: Sustainable Transport : Meeting the Challenge of Future Transport Policy in Practice Conference
New Civil Engineer, London, England, July 2007

This paper examines rising transport demand the need to reduce emissions and the role that new vehicle technology will play in sustainable transport provision. Includes discussions on cleaner fuels, interactive GPS navigation systems, and use of traffic monitoring and controlling systems to reduce congestion and CO2 emissions.

19. Technology is not enough : policy for climate change

Köhler J
Presentation delivered at: Sustainable Transport : Meeting the Challenge of Future Transport Policy in Practice Conference
New Civil Engineer, London, England, July 2007

This paper considers issues relating to how to price environmental concerns into the economy. Suggests linking the initial cost of tackling CO2 emissions with the long term gains to the economy. and assesses likely attainment of current CO2 emission targets. Identifies what can be done to make reducing CO2 levels more achievable. Ponders why we should we take the Stern report seriously, and examines the consequences of failing to curtail CO2 emissions..)

20. Transport : the next 50 years

Conference, 25-27 July 2007, Christchurch, New Zealand
Transit NZ, Wellington, 2007

Presents the papers and PowerPoint presentations from the speakers at this conference held in Christchurch in July 2007. Most PowerPoint presentations are accessible online.

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