Urban Freight Background

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Program

10am – 11am Overview of BESTUFS, R. G. Thompson

Morning Tea

11:30 – 12:00 Modelling Urban Freight, Fotios Spiridonos
12:00 -12:30 Performance Based Standards, Kim Hassall
12:30-13:00 Innovative Approaches in Brisbane, Les Brusza

Lunch

14:00-14:30 Intelligent Access Program, Charles Karl
14:30-15:00 Urban Freight Initiatives at NTC, Chris Egger

Afternoon Tea

15:30-16:00 Best Practice in NSW, Graeme Sargent
16:00-17:00 Workshop on Establishing a SIG, Oz Kayak
Outline

International Perspectives
Directions & Issues
BESTUFS Overview
Recent European Activities

Cost 321 Study (1994-1998)


BESTUFS II (2004-2008)
OECD

Working Group on Urban Freight Logistics
OECD Programme of Research on Road Transport and Intermodal Linkages

*Delivering the goods, 21st century challenges to urban goods transport*, 2003.

Definition of urban freight transport
Developments in society and policy making
Developments in freight transport
Problems of urban goods transport
Lesson Learned
Policy Framework
Recommendations
OECD Recommendations

Active measures needed to increase awareness of importance of urban goods transport & to diffuse knowledge
Evaluation methods & data are prerequisites for effective policy measures
Consolidation key to achieving sustainable urban goods transport
Regulations to be harmonised, standardised, stable, easy to enforce & cost-effective
Infrastructure capacity be used more imaginatively on a 24-hour basis
OECD Recommendations (2)

Cleaner, low noise & more energy-efficient vehicles to be promoted
Adequate logistic facilities to be provided
Efforts to be made to reduce safety risks
Reverse logistics to be developed
Technological & conceptual innovation can support sustainable urban goods transport
Next steps – further study & international co-operation
UK Projects

Urban Freight Consolidation Centres
Green Logistics
Freight Best Practice Program
Freight Quality Partnerships
Freight Transport Data Centre
London Freight Plan
Canals and Freight
Japan

Public Logistics Terminals (Tokyo)
Vehicle Standards (Emissions)
Consolidation of retail distribution
ITS
- travel times
- booking parking
- load matching
- dynamic VRS
US Issues

Economic costs of urban congestion
Growth of imports
  SC strategies & intermodal networks
Data needs: scarce & ad-hoc surveys
Political versus economic boundaries
Information sharing
Expertise: esp. MPO
Standards: data & modelling
City Logistics

City Logistics is an integrated approach for urban goods distribution based on the systems approach. It promotes innovative schemes that reduce the total cost (including economic, social and environmental) of goods movement within cities.

City Logistics is the process for totally optimising the logistics and transport activities by private companies with the support of advanced information systems in urban areas considering the traffic environment, its congestion, safety and energy savings within the framework of a market economy.

Taniguchi, Thompson & Yamada, 2001
City Logistics Schemes

- Public Logistics Terminals
- Co-operative Freight Systems
- Intelligent Transport Systems
- Access Regulations
- Dedicated Freight Infrastructure
- Computerised Vehicle Routing & Scheduling Systems (CVRSS)
Sustainability

Global competitiveness

Efficiency

Environment friendliness

Congestion alleviation

Security

Safety

Energy conservation

Labour force

Structure of visions for city logistics
Aim: to promote City Logistics
esp. modelling, evaluation & data collection

Activities
- International Conferences
  6th Int. Conf. July 2009, Puerto Vallarta, Mexico
- Workshops
- Newsletters
- Collaborative Research

www.citylogistics.org
Summary

Growing interest & activity
Knowledge networks established
Concepts fuzzy (e.g. what is sustainable urban goods transport?)

Challenges

Urbanisation & globalisation
Partnerships between stakeholders
Sharing resources & information
Incorporating supply chain & logistics perspectives
BESTUFS

Aims to identify, describe and disseminate best practices, success criteria and bottlenecks with respect to City Logistics Solutions (CLS)
BESTUFS Output

Good Practice Handbooks (9)
Roundtables (3)
Workshops (20)
Conferences (8)
Newsletters (22)

Material is available at: www.bestufs.net
Handbook Criteria

Relevance for BESTUFS (urban freight domain!)
Degree of innovation
Contribution to solve problems
Success / failure analysis
Real world experience
Transferability of problem and solution
Description of Projects

Who initiated the project?
What has been identified as main problem for the project introduction?
What are the aims of the project?
What measures have been taken into account?
Is there some kind of incentives?
What kind of incentives or supporting measures has been chosen?
Which kinds of technologies have been applied?
Who has been or is involved in the project?
How does the project actually work?
Is the performance of the project monitored (success evaluation)?
Project Evaluation

What are the main experiences & conclusions?

What is the realised & perceived benefit?
   For stakeholders
   For service providers
   For the public (inhabitants)

Why was it a successful or a failure?
   Success factors
   Failure factors
   Lessons learned: Experience transferable to other projects
BESTUFS II

BESTUFS Good Practice Guide
Policy and research recommendations
Best Practice Handbooks
- Waste transport logistics in urban areas
- Experiments & incentives for environment-friendly vehicles
Control & Enforcement in Urban Freight Transport
City Access Restriction Schemes
Modelling roundtables
- Data collection, modelling approaches and application fields for urban commercial transport models
- Quantification of urban freight transport effects
National seminars
BESTUFS Final Conference

Cities of Tomorrow
11-13th June 2008 Athens

Themes

Future technologies related to urban freight transport (incl. alternative fuels, ICT, RFID, GNSS & ADAS)

BESTUFS results & future

How to prepare for cities of tomorrow?
Relevant Work

Best Practice Handbook Year 3 (2002)
*Road pricing and urban freight transport
Urban freight platforms*, 240pp

*Port Cities and innovative urban freight solutions*, March 2007, Gothenburg
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