

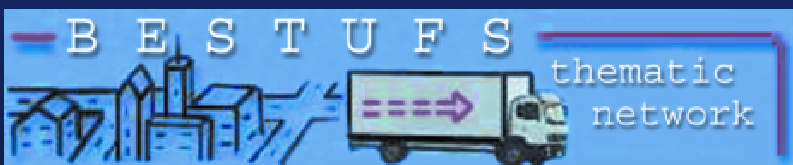
Clustering Report 3

Findings, Conclusions and Recommendations

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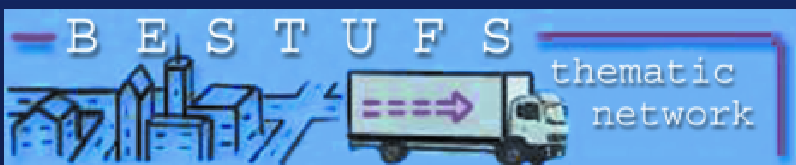
Objective

- **Clustering relevant R&TD projects around the key themes to identify work undertaken and where additional effort may need to be considered.**



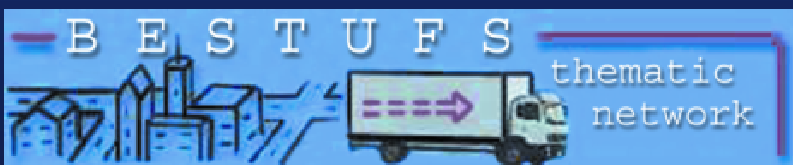
Methodology

- **THEME IDENTIFICATION AND LISTING**
- **THEME DESCRIPTION AND DEFINITION**
- **CLASSIFICATION OF PROJECTS TO THEMES**
- **CLUSTERING DESCRIPTION TABLE**
- **CLUSTERING GRID FOR EUROPEAN AND NATIONAL PROJECTS**
- **EVALUATION OF CLUSTERING RESULTS**



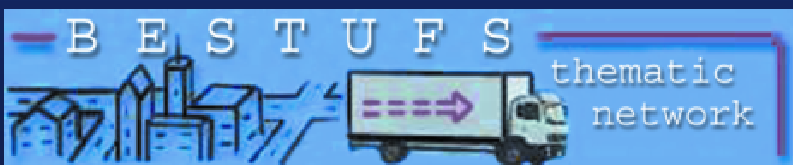
Themes

- **Freight Centres.**
- **Traffic planning and policy**
- **Access restrictions**
- **Weights and dimensions**
- **Transport units**
- **Tolls and heavy vehicle fees.**
- **Inter-modal urban freight aspects**
- **E-commerce**
- **Door-to-door freight transport aspects**
- **Telematics for urban goods transport**
- **Environmentally friendly vehicles.**
- **Co-operation of transport operators.**
- **Interfaces between public and goods transport.**
- **Improvement of Public Private Partnerships.**
- **Economic improvements.**
- **Environmental improvements.**
- **Improvements for citizens.**



Clustering Grid - National

	Traffic Planning and Policy	Weights and Restrictions	Access Restrictions	Freight centres	Project Reference	Tolls and Dimensions	Transport Units	Toile and HGV Fees	Intermodal	eCommerce	Door-to-Door	Telematics	Environmental Vehicles	Co-operation of operators	Public and Goods Transport	Environmental Improvements	Economic Improvements	PPP	Improvement for Citizens	
A01																				
A02																				
B01		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B02			✓	✓	✓															
B03		✓	✓	✓	✓															
CH01		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CH02																				
CH08			✓				✓		✓			✓								
CH10																				
CH11		✓	✓	✓						✓						✓	✓		✓	✓
CH12		✓	✓	✓											✓	✓			✓	✓
CH13										✓										
CH15								✓				✓								
CH16								✓												
D01		✓								✓	✓								✓	✓
D02		✓	✓							✓	✓				✓		✓		✓	✓
D04			✓	✓	✓			✓			✓				✓				✓	✓

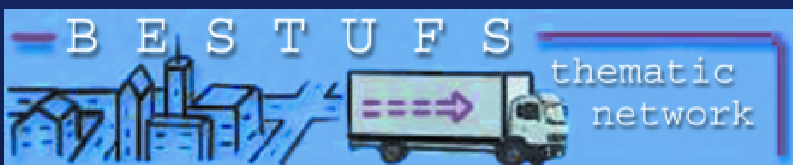


Cropped example

Clustering Grid - Geopolitical

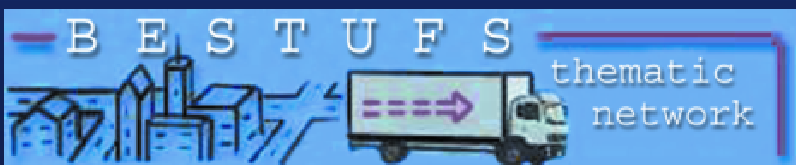
	Traffic Planning and Policy	Weights and Restrictions	Access Restrictions	Freight centres	Project Reference	Tolls and Dimensions	Transport Units	Tolls and HGV Fees	Intermodal	eCommerce	Door-to-Door	Telematics	Public and Goods Transport	Co-operation of operators	Environmental vehicles	Economic Improvements	Improvement for Citizens	
Austria																		
Belgium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Switzerland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Germany	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Denmark		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spain	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Greece		✓															✓	✓
France		✓	✓	✓	✓					✓					✓		✓	✓
Ireland	✓	✓	✓	✓	✓					✓					✓		✓	✓
Netherlands	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
United Kingdom	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Portugese government explicitly stated that little going on in this area
 Norwegian activity largely infrastructure based and non urban
 Swedish project details received too late for this report and will be included in next version
 Finnish and Italian research has been under reported by members/experts and will need addressing.



Findings

- Research in Europe has explored the urban freight arena to some great depth in some areas
- There has been little commercial success in publically initiated urban distribution
- Great deal of material generated
- *Certain areas merit closer study.*



Recommendations

- Evaluate viability and requirement for new urban freight research into:
 - Integrating public ITS systems and private telematics systems;
 - Public private initiatives;
 - Urban transport units, inter and mono modal;
 - Urban congestion charging and freight;
 - Weights and dimensions;
 - Evaluating the validity of the ‘urban distribution centres’ and cooperation concept as a policy;
 - Establishing the institutional, legal and business parameters for co-operation between operators.

