

Synthesis of Programmes & Projects Commercial Urban Transport

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National Research Programmes
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- 1) Description of the development in the commercial urban transport in the last decade**
- 2) Description of programmes and projects in the field of commercial urban transport**
- 3) What are the most important ongoing research areas?**
- 4) Projects - Funding instruments**
- 5) Programmes – Implementation strategies**
- 6) International activities**

1) Description of the development in the commercial urban transport in the last decade

- Economic Growth
- Land-Use Developments Requiring Mechanised Transport
- Outsourcing of freight transport provision
- Globalisation impacts
- Traffic Congestion
- Environmental Impacts

1) Description of the development in the commercial urban transport in the last decade

- Increasing competition and more requirement for transportation
- Concentration on the core business => outsourcing to 3PL
- Companies networking and greater usage of ICT
- Electronic shopping has increased slowly
- Quality and environment systems and standards have become more important
- Economic and population growth in main cities

2) Description of programmes and projects in the field of commercial urban transport

No special urban transport programme, but several programmes includes urban transport aspects.

- **Freight Platforms and Urban Planning.**
- **Traffic planning and policy**
- **Weights and dimensions**
- **New transport units**
- **Environmental zones.**
- **Access restrictions**
- **Tolls and heavy vehicle fees.**
- **Intermodal urban freight transport**
- **E-commerce**
- **ICT for commercial urban transport**
- **Electric and hybrid vehicle programmes**
- **Consolidation programmes**
- **Co-operation between transport operators.**
- **Road pricing**
- **External costs**

2) Programmes and projects in the field of commercial urban transport

Key component to urban development

BUT

- Little interest, few researchers
- No global research programme on urban freight transport
- A lot of actors involved, no integrated approach
- Research concentrated on roads, conventional goods on vehicles over 3,5 t.

Key Weaknesses

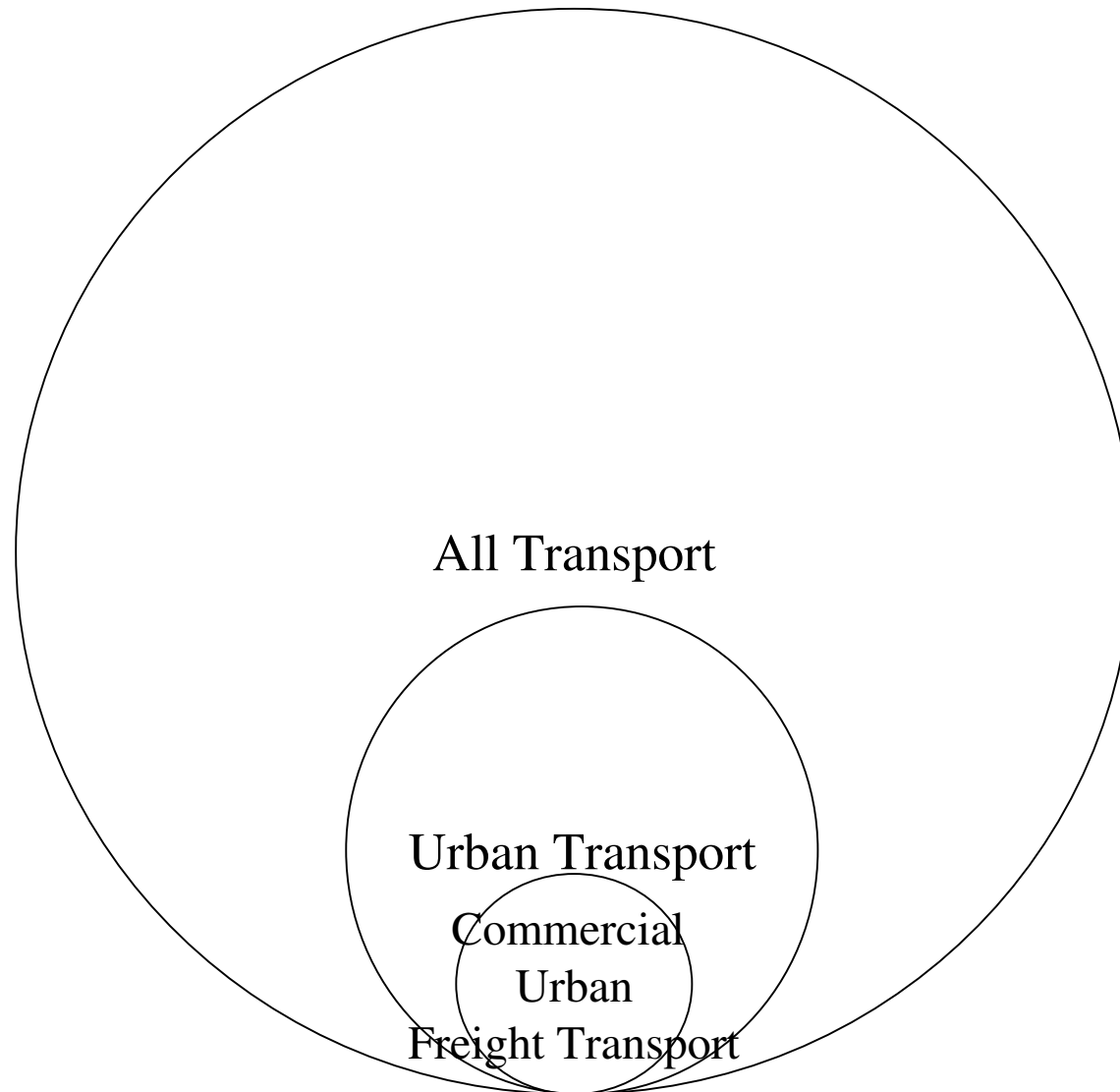
- No Overarching Transport Research Strategy
- Tendency to Start from First Principles rather than rely on Previous Research Outputs
 - Lack of Statistical Data to facilitate trend analysis
 - Poor Dissemination of Results
- Little Evaluation of Research Output

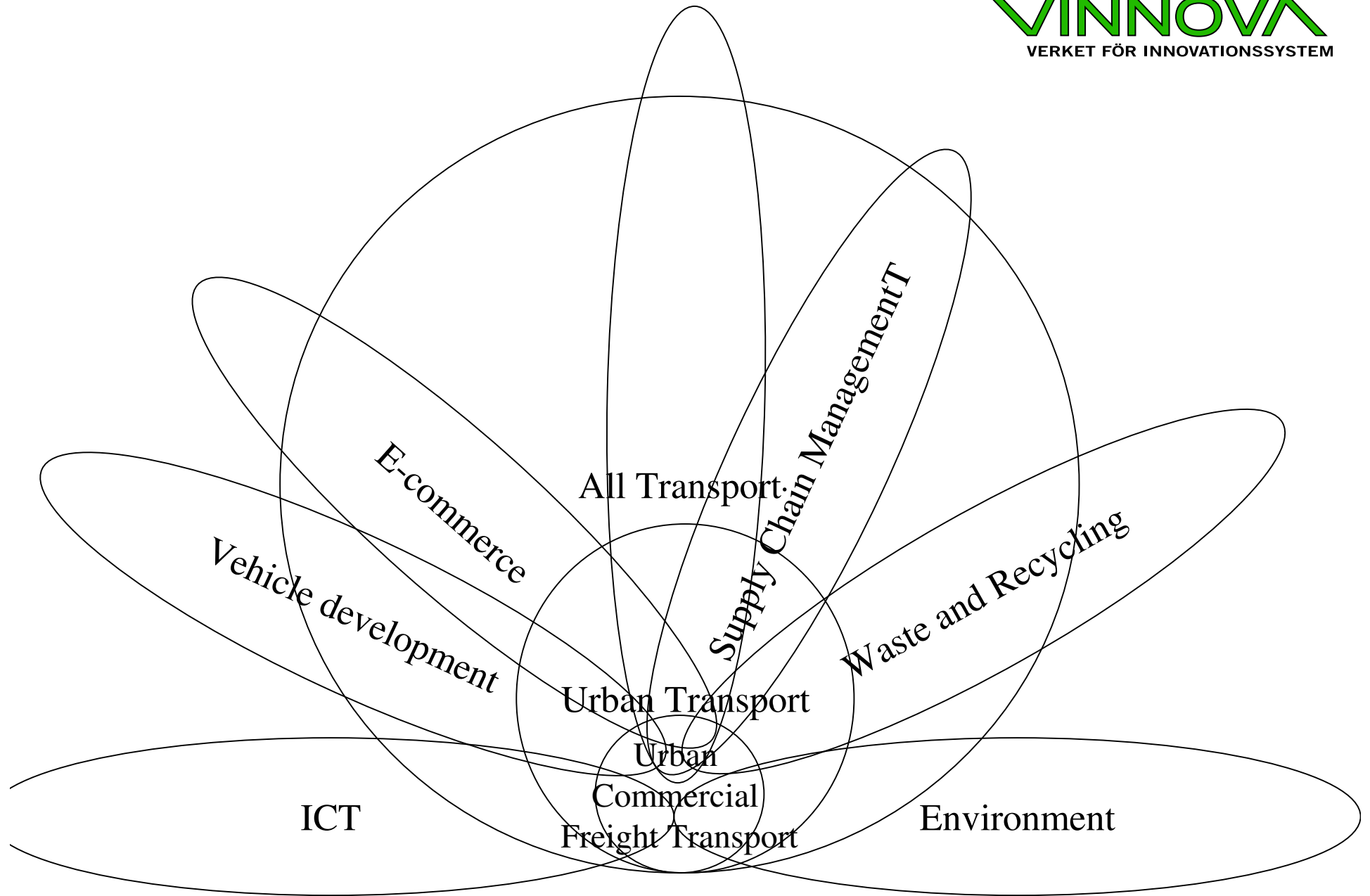
Rationale for Co-operation & Co-ordination

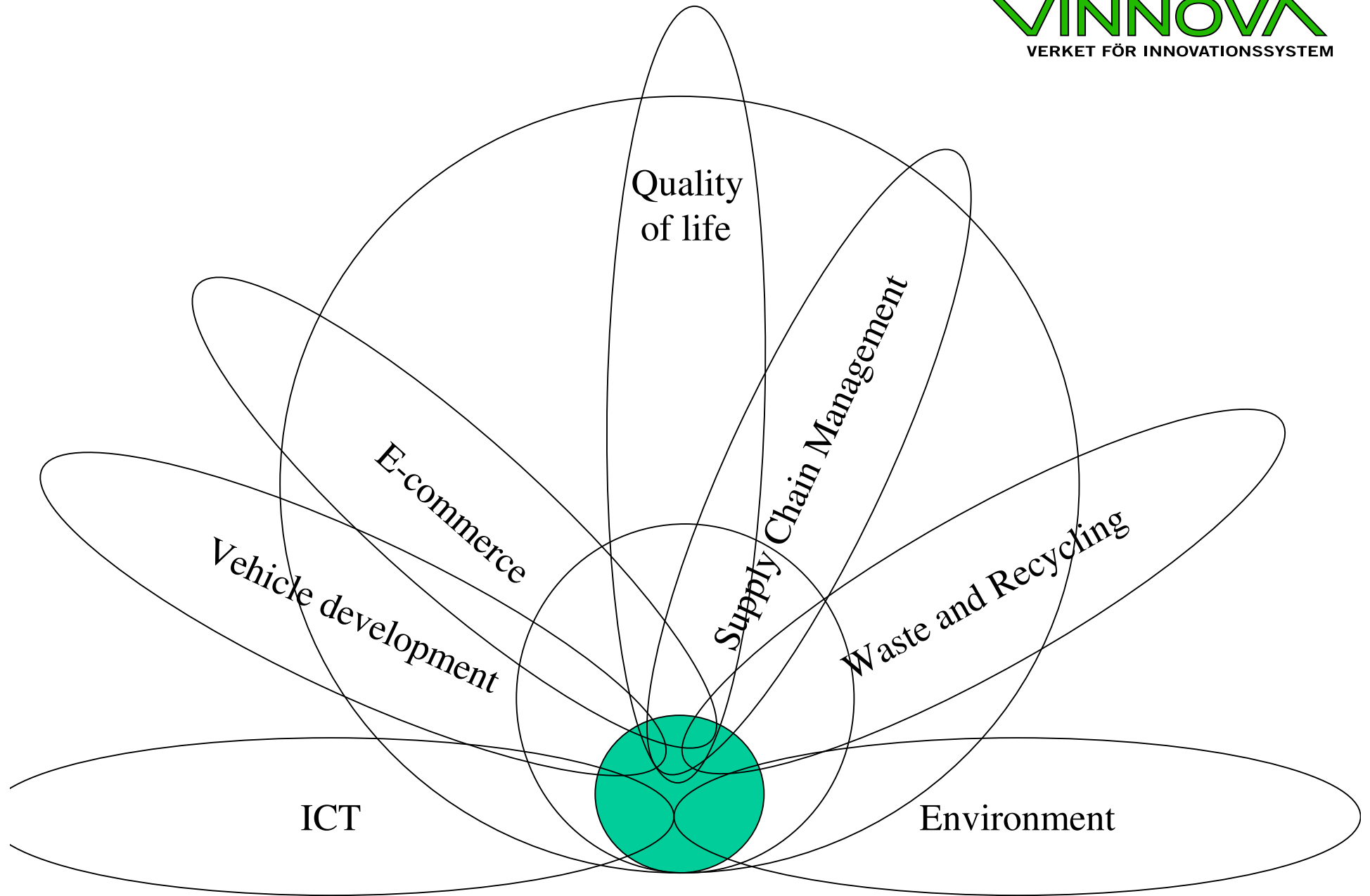
- Value for Money for research funding provided
- Scope for complementary Research – *‘no need to re-invent the wheel’*
- Structural Co-operation on a *‘juste retour’* Basis
- Access to *‘Best Practice’* Research Programming

3) What are the most important ongoing research areas?

- Modelling
- Best practices
- Assessment of transport policy measures regarding freight transport
- New technologies







4) Projects

- Funding instruments

Public funds support R&D activities:

- funds of local authorities (public procurement)
- funds of national government (public procurement, proposals)
- EU R&D FP funds (proposals)

Private or semi-private funds support R&D

- Direct Provision to State Body
- Competitive Calls for Proposals
- Tendering

5) Programmes

– Implementation strategies

- Before launching a new programme almost always some type of restudy or feasibility study is made.
- Calls for proposals in many cases in two steps; expression of interest, final project proposal.
- Evaluation of proposals made by the civil servants of the funding organisation. Use of extern experts (national) or steering groups expertise more or less formal feature
- Typical dissemination activities are annual seminars, joint thematic seminars, road shows, websites etc.
- Participation is the most successful implementation activity

5) Programmes

– Implementation strategies

Working Hypothesis -

- There is only rudimentary knowledge about the transfer-conditions of integrated commercial transport concepts

Research questions

- Which solutions were planned and which have actually been implemented (analysis of implementation outputs and outcomes)?

6) International activities

It is important to continue the international activities in all levels of cooperation:

- Information exchange, workshops, conferences, thematic networks
- Joint projects; proposals, consortium, programmes

It is also important to coordinate the research in the field of commercial urban transport with other research areas such as supply chain management, traffic planning, public transport, environmental research etc.

Structure of analysis

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual				
Technical				
Experimental/empirical				
Scope integration				

Examples

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	Transport corridors	Merge in Transit	Logistics education	Decoupling
Technical	Port renewal, ITS	Supply chain informatics	Driver intelligence	Multimodal transports
Experimental/empirical	Congestion	Pattern of E-commerce	Working conditions	Infrastructure CBA
Scope integration	Regional Cargo control	Agility	Systemic learning	Gov. progr. Complex system

Q1 Logistics research in the last decade

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	xxx	Xxxxxxxxxx xxx	x	X
Technical	xxxxxxxxxx	Xxxxxx		
Experimental/empirical	Xxxxxxxxxx x	xxxxxxx	X	xx
Scope integration	xxxxx	xxxxxx	x	x

Q2 Most important findings in the last decade

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	xxxx	xxxxxxxxxxx	x	X
Technical	xxxxxxxxx	Xxxxxxxxx		
Experimental/empirical	xxxxxxxxxxx	xxxxxxxxxxx	x	X
Scope integration	xxxxxxxxxxx	xxxxxxx		Xxx

Q3 Implementation

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	xxxxxxx	Xxxxxxxxxxxx		
Technical	Xxx	xx		
Experimental/empirical	x	x	x	X
Scope integration	xxxxxxx	xxxxxxxxx	x	xxxx

Q4 Most important ongoing and future research

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	Xxxxxxxxxx xxxxx	xxxxxxxx	x	Xx
Technical	Xxxxxxxxxx x	xxxx	x	Xxx
Experimental/empirical	xxxxxx	x		Xx
Scope integration	Xxxxxxxxxx xx	xxxxx	xxx	xxxxxxx

Q5 Most relevant areas for research cooperation

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	Xxxxxxxxxx xx	xxxxxxx		Xx
Technical	xxxxxxxxxx	x		Xx
Experimental/empirical	xxxxxxxxxx		x	Xxx
Scope integration	xxxxxxx	xx	x	xxxx

Synthesis

Commercial Urban Transport /City Logistics

System level Scope	Society/ Infra	Business	People	System level integration
Conceptual				
Technical				
Experimental/empirical				
Scope integration				

Examples

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Draft Synthesis of Programmes and Projects Commercial Urban Transport /City Logistics

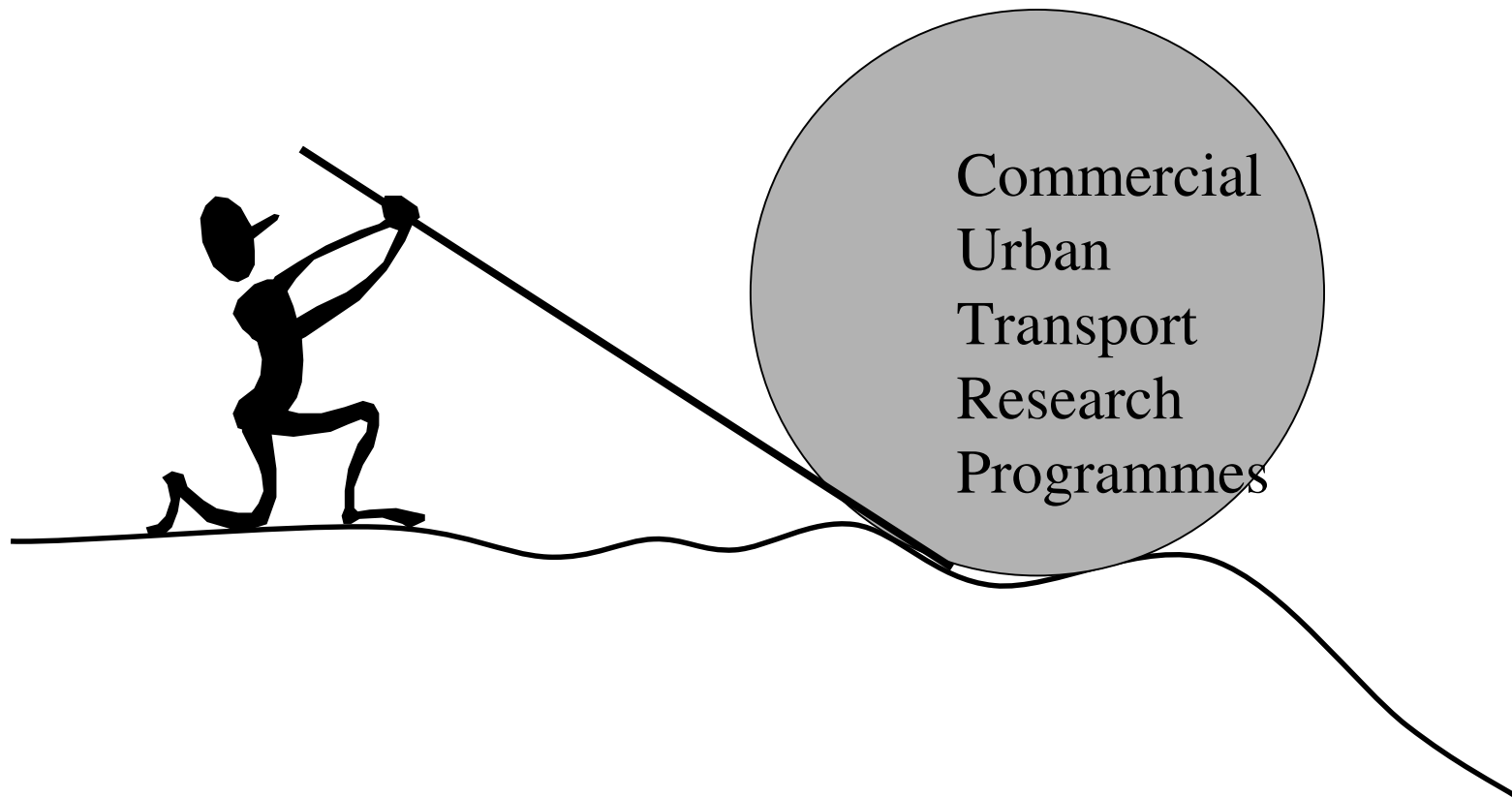
System level Scope	Society/ Infra	Business	People	System level integration
Conceptual	+++	+++++	++	+
Technical	+++++	+++++	+++++	+++
Experimental/empirical	+++++	+++	+++	+++
Scope integration	++	++	+++	++

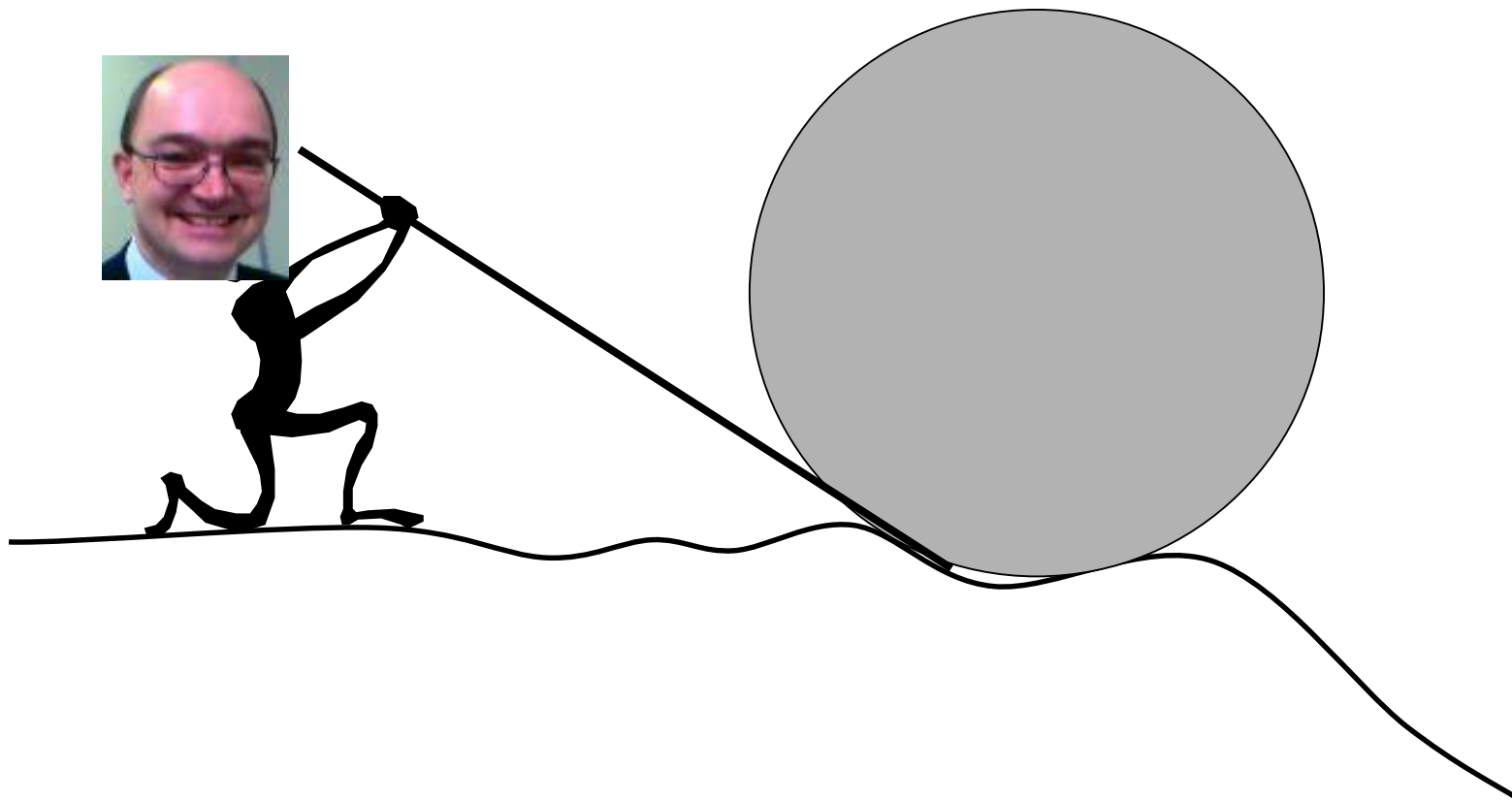
Development of City Logistic Innovation Systems (1)

- The implementation of logistics knowledge is dependent upon change processes within and between organisations.
- These change processes are in their turn dependent upon the inclination of organisational actors to accept a systemic view in competition with other views.

Development of City Logistic Innovation Systems (2)

- How can the knowledge processes and innovation systems constituted by these actors be developed in ways that reduces the logistics knowledge gaps (as well as the knowledge gaps of other systemic disciplines)?
- This must always be our main research question





Tack you for your attention

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