



**Panteia**

Research to Progress

Research voor Beleid | EIM | NEA | IOO | Stratus | IPM



# **Panteia – Welcome speech**

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BESTFACT – Final International Joint Cluster  
Workshop on *Synchromodal Best Practices*

Rotterdam 8/9 October 2015

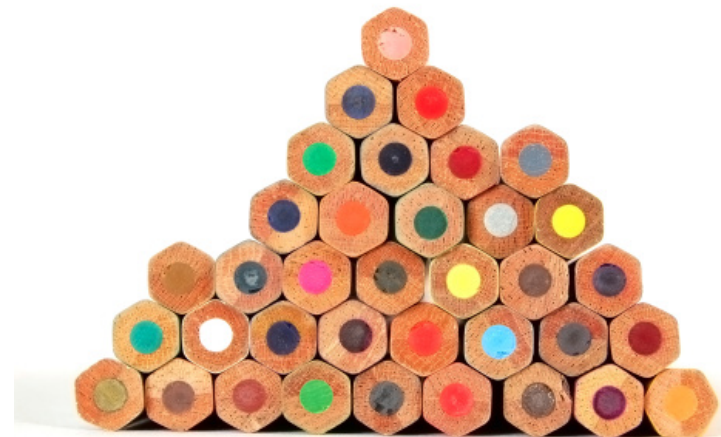
# Introduction Panteia

- Panteia is an independent **research** organisation situated in the Netherlands specialising in the fields of **transport and mobility, economics and social policy**.
- Panteia provides decision makers with **high-quality information** and **analysis** based on **independent policy and market research**
- **Themes:**
  - Green
  - Transport
  - Mobility
  - Economy
  - Society
  - Management
  - Trends

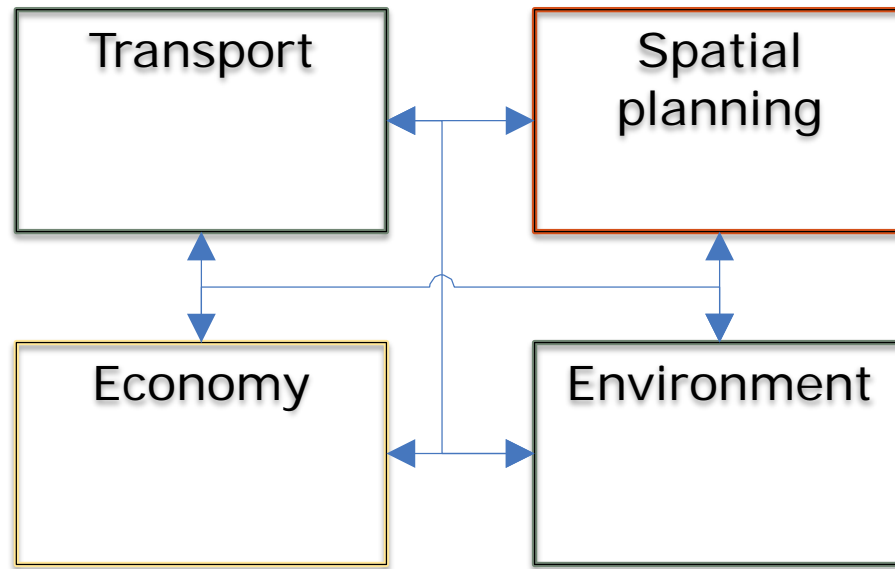


# Introduction Panteia

- **Panteia Transport & Mobility** is an **independent**, professional organisation that carries out innovative research, provides advice, organises training courses and works closely with clients to develop strategies in the field of transport, traffic, infrastructure and logistics
- In the field of **transport and mobility**, Panteia has many years of **national and international** experience in:
  - Providing sound analysis and consultancy services
  - Data collection, analysis and validation
  - Developing multimodal transport models
  - Policy measures design and evaluation
  - Transport market studies
  - Corridor development studies



# Balance needed for sustainable transport and economic growth



# Share in CO<sub>2</sub> of public and freight transport (EC White Paper)



Figure 2: Shares in EU Transport greenhouse gas emissions in 2008 (estimates).



# Impacts of increasing costs

- The **energy costs** in road and rail transport are approximately 25% – 30% of the total costs
- The **logistics costs** are in average around 7%-8% of the total production costs, but can vary between 2%-20%
- If energy costs would double the **product costs** would increase with an average of around 2%
- Impact:

**product demand** =>

**transport** =>

**economy**

- Transport companies will have to compete by using
  - More efficient **multimodal solutions**
  - Smarter **e-solutions**
  - More **energy efficient** alternatives
  - Better **coordination** and **governance** schemes



# Many individual initiatives...not yet in a large scale use



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# Some of the main challenges

Unattractive investment

Not commercially-oriented solutions

Technology is not yet fully developed/ not compatible

Lack of information/ transparency/ data harmonisation

Lack of cooperation and coordination



**Dissemination**  
**Coordination** and  
**Research** projects are  
aimed to address these  
challenges



# And solutions...



## Green Rail Logistics for excavated material on construction

... **rail freight solution** offering a reliable, stable and sustainable alternative for mass transportation on construction sites

*Success factor: bringing together building-owners to support smart and sustainable concepts for excavated material transportation*

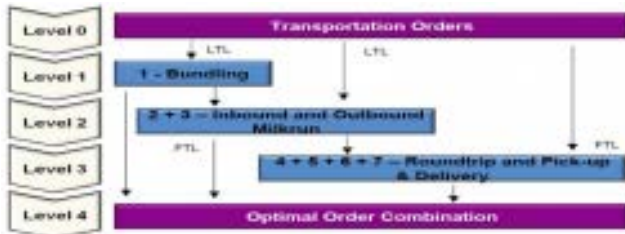
## Innovative Semi-Trailer Handling Unit

... **non-craneable semi-trailers** can also be transported by rail

*Success factor: using a business model to settle up new relations together with key customers fosters the development of intermodal transport and supports a sustainable model split*



# More solutions...



## Load Control Centre by Mondelez

...using a “**traffic avoidance optimisation tool**” to cut distances travelled by road transport, to achieve higher loading factors and fewer empty runs, thereby avoiding large freight traffic on the road

*Success factor: Combinations are ‘auctioned’ everyday among a group of contracted suppliers by transport management team*

## Planzer Truck

...**Ecological truck** transports with zero direct emissions with low operational costs due to lower brake wear, low energy costs and exemptions in the Swiss distance related heavy vehicle fee

*Success factor: Exemption of electric truck from the distance related Swiss heavy vehicle fee reduces operational costs*



**BESTFACT project:**  
a step towards dissemination of knowledge on  
best-practices for freight transport

