



# Call for Mobilizing Ideas

## The Idea of HubNet

iSQ



er Institute Material Flow and Logistics

Session 16<sup>th</sup> November 2007

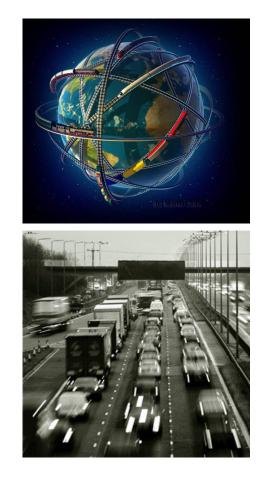




## **C** The Vision for HubNet

**New logistic concepts** will reduce:

- traffic volume on the streets
- stock levels
- > material stock at wrong locations
- > delivery time between two points







## **C** The Vision for HubNet

#### The **supply chain networks** will be:

- > faster
- > leaner
- > cheaper
- > more flexible
- storing products near the markets







## **C** The Vision for HubNet

Stock level will decrease

- inventory near to the endusers
- time to deliver reduced to the time of transport between the hub and the final consumer





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## **Che HubNet Objective**

The innovative use of **advanced logistics methods** and more **competitive supply chain network** is the main objective of the proposed idea.





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#### **Challanges Challanges**

**Redesign** of operational processes in the network exploring new ways of adaptability and autonomy

**Efficient logistics network** by **identifying** and **developing** state-of-the-art methodologies and tools.









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#### **React quickly** to demand changes and network events

- network
- inventory levels

Direct cost-reduction strategies

- $\succ$  human labour costs in the hub
- reducing: number of transports inside the

**Challanges Challanges** 







# The Idea of HubNet



#### The HubNet Concept Development

Automatic **hub-network** basing on the idea of the *Internet of Things*:

- Iogistical units communicating together and coordinating themselves
- *things* obtaining an electronic identification and getting connected wirelessly to the environment









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## The HubNet Concept Development

Hub as an automatic warehouse with an innovative interface for a fully automated operation

Several **hubs** connected for a autonomous logistical network

Goods finding the way to the **hub** where they are needed, selforganising the things.







## The Idea of HubNet



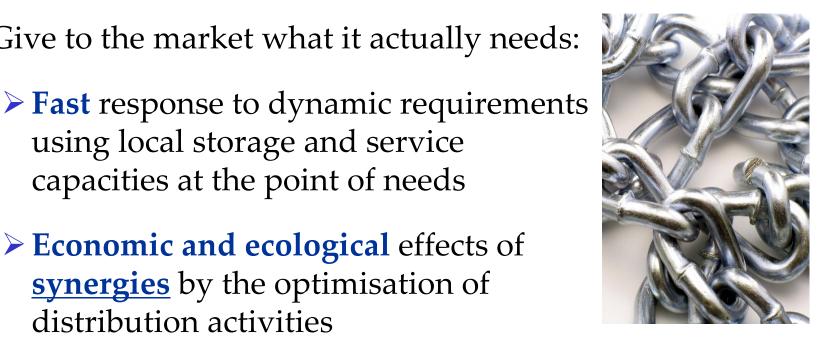


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#### Economic and ecological effects of synergies by the optimisation of distribution activities

using local storage and service

capacities at the point of needs



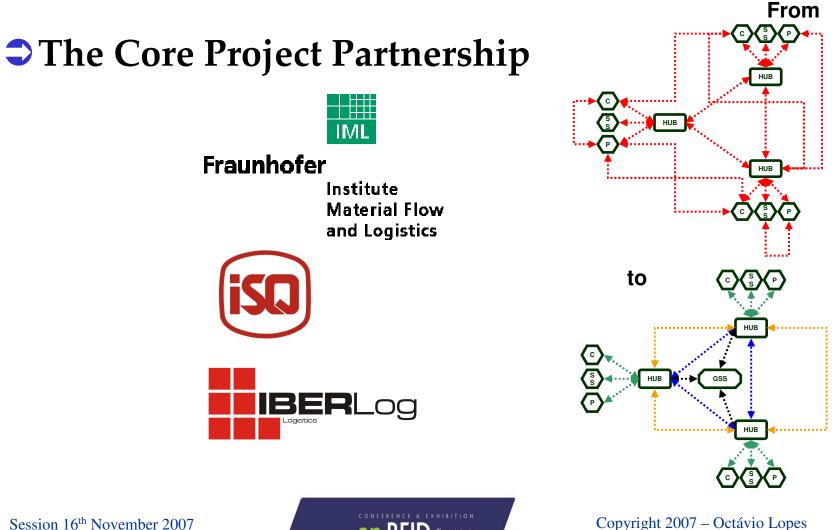
## The HubNet Concept Expectations

Give to the market what it actually needs:



# The Idea of HubNet





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# Thank you for your attention and availability

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