Call for Mobilizing Ideas

The Idea of HubNet
The Idea of HubNet

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
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The Vision for HubNet

The supply chain networks will be:

- faster
- leaner
- cheaper
- more flexible

storing products near the markets
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The Vision for HubNet

Stock level will decrease
- inventory near to the end-users
- time to deliver reduced to the time of transport between the hub and the final consumer
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The 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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The Opportunities & Challenges

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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The Opportunities & Challenges

Direct cost-reduction strategies reducing:
- number of transports inside the network
- inventory levels
- human labour costs in the hub

React quickly to demand changes and network events
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The HubNet Concept Development

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

- **logistical 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 an autonomous logistical network

Goods finding the way to the **hub** where they are needed, self-organising the things.
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The HubNet Concept Expectations

Give to the market what it actually needs:

- **Fast** response to dynamic requirements using local storage and service capacities at the point of needs

- **Economic and ecological** effects of **synergies** by the optimisation of distribution activities
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The Core Project Partnership

Fraunhofer
Institute
Material Flow
and Logistics

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Thank you for your attention and availability

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