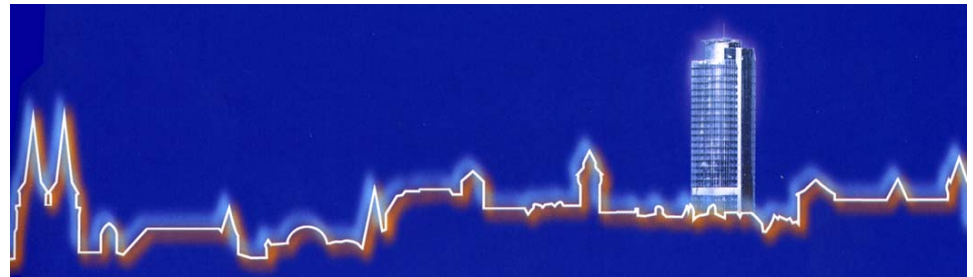


Last Mile in Nuremberg: Lessons from ISOLDE and Measures for the Future

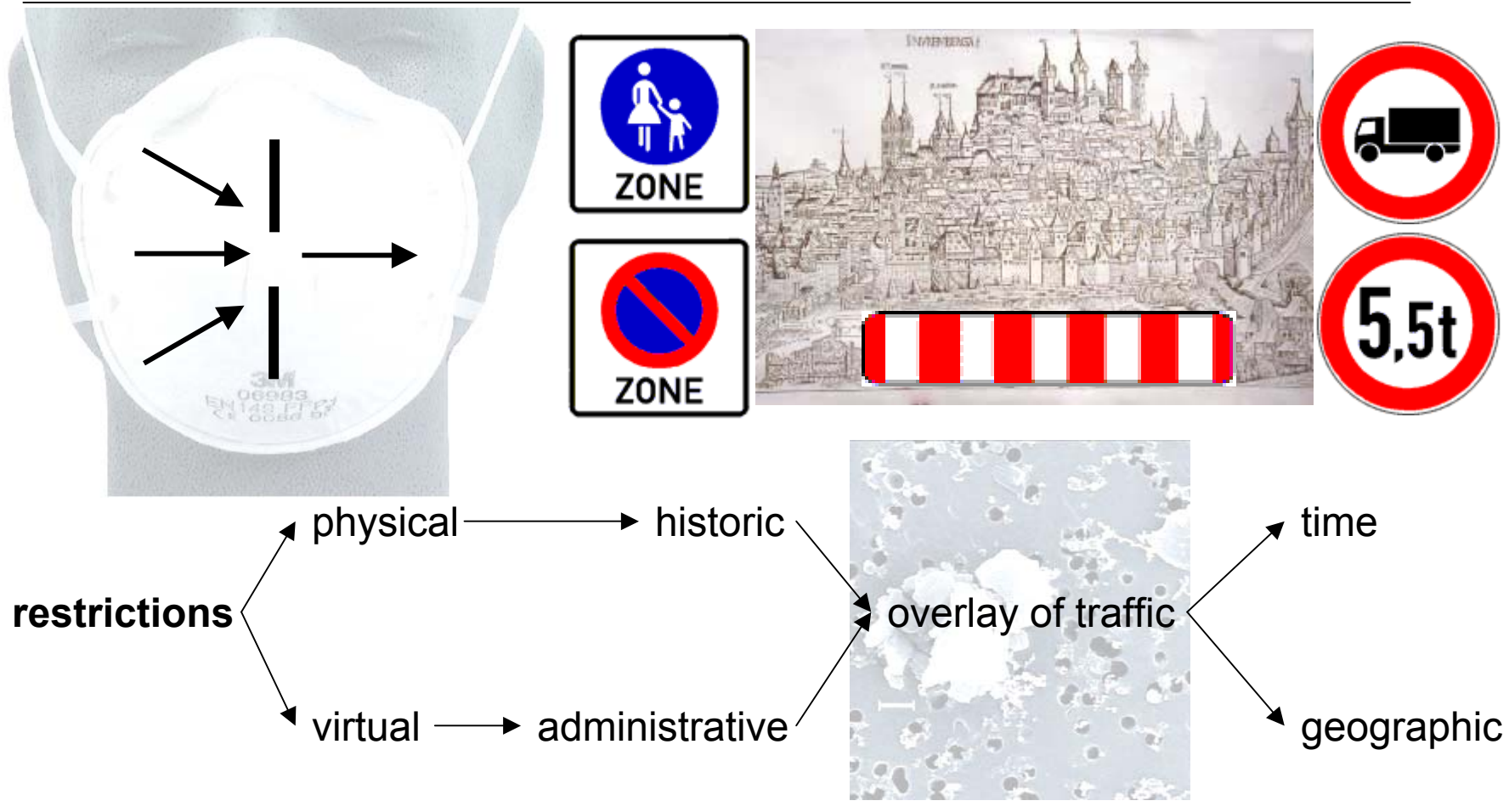
BESTUFS Workshop

**Nuremberg
21th April 2005**

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Assumption: Restrictions to City Access are forcing Traffic Problems

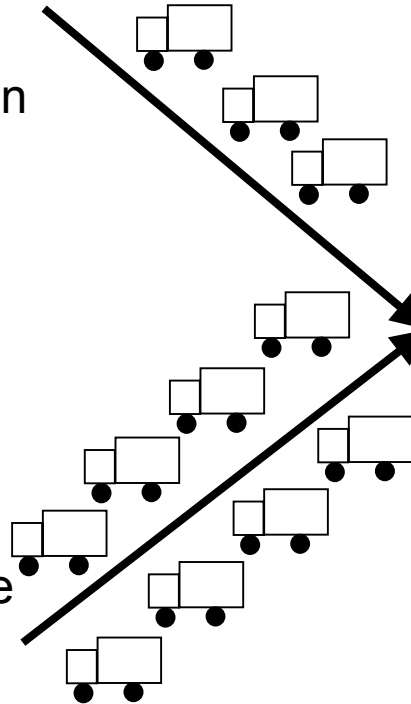


Results of Restrictions - A small Example from Parcel Delivery

800 parcels
whole day delivery time
3 parcel transporters
100% city goods utilization

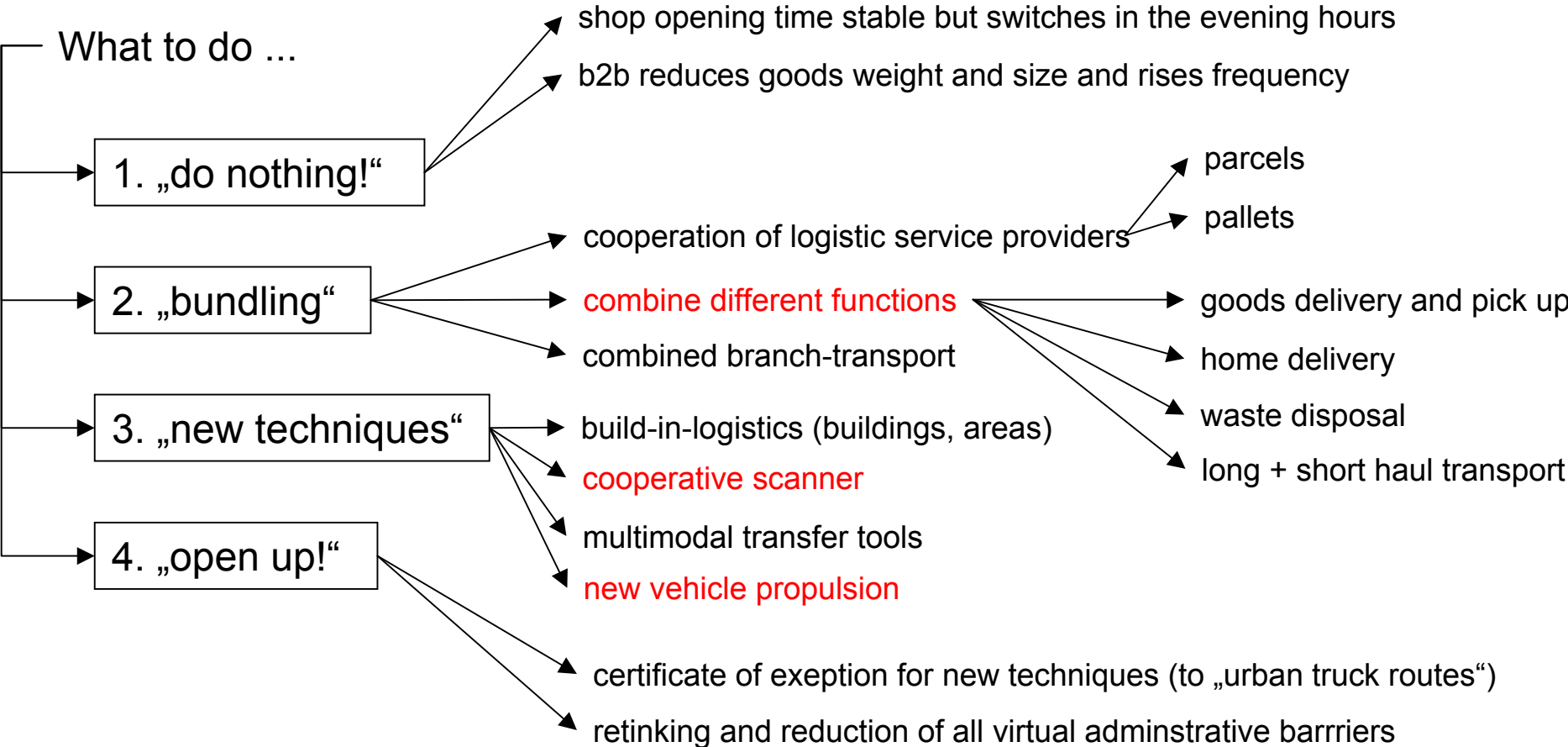


800 parcels
06.00 -10.30 delivery time
8 parcel transporters
50% city goods utilization
50% other area utilization



Street attendance time of goods delivery vehicles rises up and cause many other problems!

Szenarios to overcome the Restriction Problems



A Mix of all: Small Logistic Boxes, Rape Seed Oil, Mode Integration



The project „IDIOMA“ in Nürnberg

- 1/3 swap bodies (DPD Hellmann / DPD Birkart)
- propulsion with rape seed oil
- possible function integration of
 - long haul traffic and delivery transport
 - delivery and waste disposal services
 - stand alone solution as delivery platform for walkers and bikers
 - stand alone solution as parcel service station for home delivery
 - cooperation: each box from a different parcel service



Integration of Functions: ISOLDE - Citylogistics for Nuremberg „all inclusive“

ISOLDE Delivery Service ...

as cooperation of forwarding and parcel delivery businesses with electric propulsion vehicles and exception certificate



ISOLDE Waste Disposal Service ...

with high frequent „every day“ disposal service while delivery to reduce disposal traffic



ISOLDE Store Management ...

as short time storage system with retailer related value added services

ISOLDE Home Delivery ...

as home shopping of city goods and food to strenghten public transport



Technical Integration:

New Techniques to enable Cooperation: One Scanner for All!

Cooperative logistic needs unified data transfer processes

- forwarders are willing to cooperate in city delivery with help of neutral service providers (e.g. ISOLDE)
- but: requirement of tracking information
- one scanner with intelligent software as basis for various forwarders as novelty tool used by neutral service provider
- scanner data transfer to forwarders by e-mail (later: on-line)



A Concept that will only be (hopefully) Paper Works: Green Erfurt-Concept

Basis for the idea:

- Erfurt has good city rail infrastructure
- tramway leads through pedestrian zone

Idea for the concept:

- existing tramway to be used for goods transport
- integration of supply and disposal service for retailers



Problems of realization:

- integration of goods tramway into regular tramway schedule
- necessity of reconstruction of the goods tramway (for loading pallets)
- 2,5 EURO for each manual transshipment of 100 kg (minimum 2 transfers)
- manual load transfer to retail store (micro distribution done by walker)

What to do? - Overcome old fashioned patterns of thinking

Let the logisticans do their work and ...

- put in question all actual city-regulations (save money for enforcement)
- regulations, once installed, must not be intangible to socio-economic changes
- install a neutral „traffic round table“ with ppp-participation
- bring interest groups together to understand their point of view
- help implement the innovations of logistic service providers
- help to improve city acceptable propulsion technologies
- improve a city near freight village as logistic-cooperation platform
- use logistic as the science of flow management to re-configure the dis-arranged cargoflows in metropolitan areas

Conclusion: The attractive city ...

- attracts people (e.g. shoppers)
- attracts traffic (goods and passenger traffic)
- not necessarily attract future regulations!

