NODES

The Next Generation of Urban Interchanges

Caroline Hoogendoorn (UITP)

Why NODES?

The efficient urban trip is intermodal. An integrated urban transport system enables efficient movements of persons and goods.

Reduced impact on the environment Efficient transport system



The NODES project

- FP7 Collaborative project
- Total budget: 4.2 million € (EC cont.: 2.8 million €)
- Project duration: 3 years (start date: 1 October 2012)
- Coordinated by



17 partners

Local Government Administrations:

Madrid, Birmingham, Toulouse, Reading, Budapest, Thessaloniki

Public Transport Operators:

Rome, Osnabrück, NS, Cityway

Research centre and consultants:

TU Delft, Berends, DTV, FIT

3 European associations:

UITP, Polis, EPF



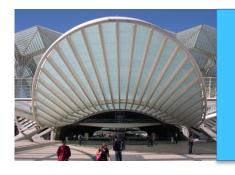
Key interchange functions



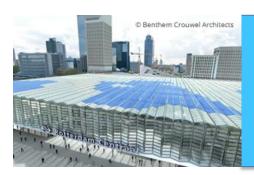
Land use & infrastructure



Business models



Design



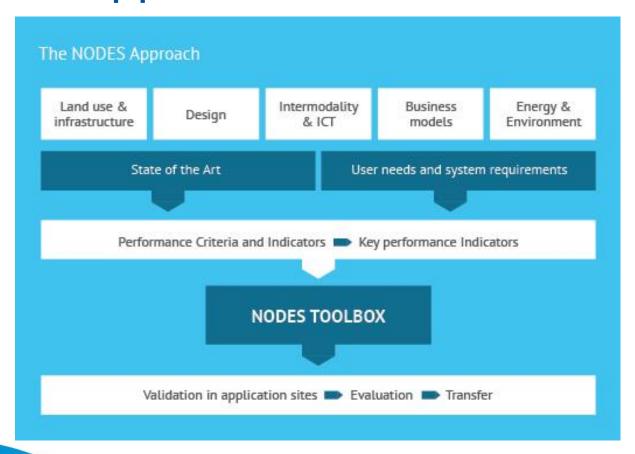
Energy and Environment



Intermodality and ICT



NODES approach





Application sites





NODES Toolbox

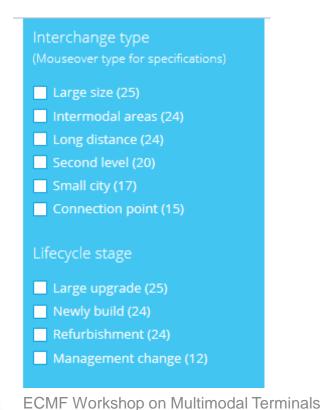
Search Enter keywords Nature of the tool Physical (14) Organisational (12) Economic financial (9) Energy and Environment (7) Societal/ Cultural (6)

- Method (21)
- Technique (11)
- Law/ Regulation (6)

14/10/2013

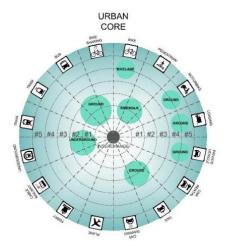
- Software (6)
- Model (5)
- Material (4)

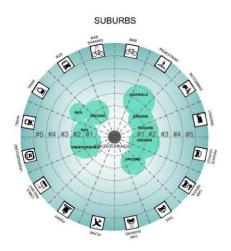
- Build a **Toolbox** to support European cities, transport authorities and operators, in the design and operation of new or upgraded public transport interchanges
- Web-based





NODES Toolbox: examples





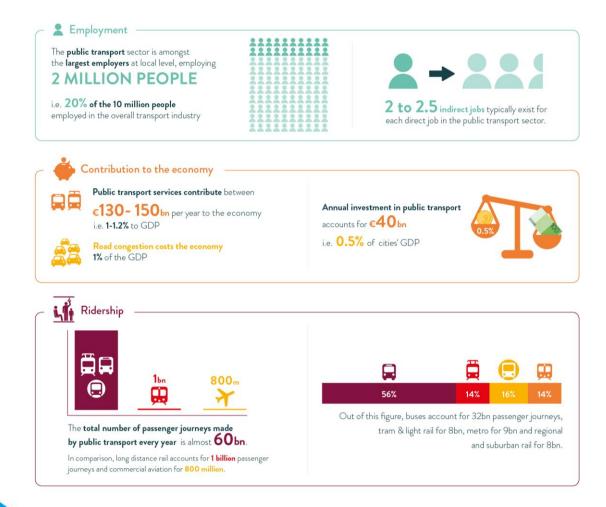
Interchange Typology Diagrammatic Representation

Progressive disclosure of information, linking pedestrian information systems and public transport information





Conclusion



Source: UITP



More information?

Project coordinator:

Caroline Hoogendoorn (UITP), caroline.hoogendoorn@uitp.org

Online:

www.nodes-interchanges.eu







Join our LinkedIn group: www.linkedin.com/groups/Transport-nodes-4961661

