Effective solutions for green urban transport – Learning from CIVITAS cities

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Brussels, Belgium

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In this presentation:

- Perugia
- Before CIVITAS
- Integrated Approach
- Lessons learnt
- Conclusions
UMBRIA REGION

- 92 Municipalities
- Inhabitants: 843,359
- Surface area: 63,156 km²

MUNICIPALITY OF PERUGIA

- Inhabitants: aprox. 160,000
- Surface area: 450 km²
Car ownership per 1,000 population
Selected countries, 2005*

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Source: "Pocket World In Figures 2009", International Road Federation

*Or latest year available
Medieval walls
Perugia

Car parks

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Escalators and lifts
Bus fleet
- 109 buses
- 70% methane powered buses
- extended network in the city and suburbs
Perugia

STAZIONE DELLA CUPA

TERMINAL PINCETTO

STAZIONE CASE BRUCIATE

STAZIONE FONTEVEGGE

STAZIONE MADONNA ALTA

STAZIONE CORTONESE

TERMINAL PIAN DI MASSIANO

Minimetro

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Objectives:

- to increase safety in the bus environment
- to create an almost entire clean bus fleet
- to provide high quality interchanges
- to give priority to PT vehicles
- to raise the awareness for PT use
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Increased safety in the bus environment:

*Improvement in the bus stop environment*

- 24 bus stops are completed
- Solar powered bus stops
- Wi-Fi at the bus stops
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Create a clean bus fleet:

*Clean Fuel Technology – Public Transport Fleet*

106 buses from which:
- 76 methane buses
- 20 dual fuel
“Cupa” Interchange node

- links the Minimetro with the bus network and the car park
- offers the basis for upscaling in other 7 places in the city
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High quality interchanges: Inter-modal exchange nodes for public transport Exploitation issues

“Fontivegge” Interchange node
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Priority to PT vehicles:
*The set up of a traffic monitoring control centre*

- UTC upgraded
- **40 vehicles** have been equipped with the selected onboard device
- **4 Public Transport Stops** have been equipped with Passenger Information System Panel
- data collection
- **Bus Priority** has been activated
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Awareness for PT use:
**Awareness campaign – integrated CIVITAS measure**
- Mobility Brand developed
- ESC launched in an “On Board Press Conference”
- *increased visibility for CIVITAS and ESC*
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*(Preliminary) Results:*

Number of passengers

- Bus (Millions)
- Escalators and lifts (Millions)
- Minimetro (millions)

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*(Preliminary)* Results:

Quantitative Impacts:

- **The overall modal share for PT increased by 1%**

- **Clean vehicles**
  - 36% reduction in cost per vehicle km
  - 72% reduction in PM10;
  - 56% reduction in NOx
  - 29% reduction CO
  - 18% reduction CO2
  - 38% reduction in diesel use

- **Changing car use**
  - 35% of minimetro users transfer from private car
  (1.11 million car trips – new PT trips - 4,000 car journeys/day)

- **Better integration**
  - 11% of minimetro users transfer from bus
  (0.34 million bus trips – transfer to minimetro )
  - 40% of minimetro users arrive on foot
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(Preliminary) Results:

Qualitative Impacts:

- 85% PT customer satisfaction with methane powered vehicles
- raised awareness of sustainable transport issues in the city through ESC
- a more effective information system for passengers and car drivers
- increased perception of a safer environment at bus stops and interchanges
- increased acceptance of the Park and Ride option
Lessons learnt

- create a vision (SUMP)
- create the right environment for stakeholder cooperation
- create a integrated communication marketing strategy to support the measures
- assure the funding stream
- create an enthusiastic team
- learn from failures, as well as successes
- conduct an efficient evaluation
- involve all types of citizens in the consultation
- assure political support
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Slide title

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Thank you

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