The Zagreb pilot project BoB (Bike on Bus)– CIVITAS CAPITAL

CIVITAS Webinar - 30th November 2015

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Siniša Uglik - Zagreb Holding – Department ZET (Public transport company in Zagreb)
Content of the presentation:

• Zagreb in brief
• Public transport company in Zagreb
• Idea for this project, inspiration
• About the project (partners, way of financing, timeframe..)
• Technicalities
• Disemination activities
• Drivers
• Budget
• Follow up
Zagreb in brief:

- The capital city of the Republic of Croatia
- The cultural, scientific, economic, financial and administrative centre
- Self-governing public functions both the city and the country level
- Administrative boundaries 641 sq km
- Population 792,875 (2011)
- Metropolitan area up to 1,107,623
About Zagreb Holding – Department ZET (public transport company in Zagreb)

- **Fleet**: 426 buses, 342 tramways
- **Number of lines**: 132 bus lines, 15 tram lines
- **Total length of lines**: bus 1,363 km, tram 151 km
- **Number of stops**: bus stops 2120, tram stops 240
- **Number of passengers**: 251 mil. in 1 year
- **Number of employees**: 3,600
Idea for this project (I):

- city's geographical image rather diverse (hilly area in the southern part)
- inhabitants of hilly parts of Zagreb (especially younger and older or those with some health problems) have not possibility or have restrictions/problems to use their bikes in daily/recreational trips
- Introduce service to allow citizens/tourists to combine bus and bicycle use to cope with the steep streets
- promote alternative, environmentally friendly transport modes, promote intermodality
- citizens of hilly parts we will be encourage to use bicycles together with public transport, which will increase share of cycling in modal split
Idea for this project (II):

- City of Zagreb was 2008-2012 part of CIVITAS ELAN consortium (41 partners around Europe, in Zagreb 7 partners)
- To support activities after the formal end of the projects CIVITAS Activity Fund was established
- Application in the first call (11 out of 22 applications chosen, among them Bike on Bus) - Thematic Focus 1: Integrated Planning, Take-up level 1: Being Inspired
Inspiration (Funchal, Portugal)

Measure Evaluation Results
FUN 6.2 Bus and Bike
Claudio Marqueiro (Horários do Funchal)
Andre Freitas (Horários do Funchal)
Andreia Quintal (Horários do Funchal)
Date: February 2013

Picture: Hilly parts of Zagreb
Inspiration (Funchal, Portugal)

Picture: Meeting at City of Funchal

Pictures: Meeting at Horários do Funchal (public transport company)
About the project:

- **Duration of the project**: June 2014 – December 2014 / June 2015
- **Financing**: co-financed from Civitas Capital, and own resources for development of the new product (bicycle racks)
- **Partners**:
  - **City of Zagreb (coordinator)** - City Office for Economy, Labor and Entrepreneurship, City Office for Strategic Planning and Development of the City and City Office for Physical Planning, Construction of the City, Utility Services and Transport
  - City of Zagreb Public Transport operator (ZET)
  - University of Zagreb – Faculty of Science, Department of Geography
  - Public institution “Medvednica Nature Park”
Activities:

– Study visit to CIVITAS demonstration City Funchal (Portugal)
– Design, construction and installation of 4 Bus-Bike racks on 3 bus lines operating in the hilly part of the city
– Two workshops for bus drivers (First was international -present members of CIVINET Slovenia-Croatia Network) - number of participants: 61
– Questionnaire survey (University of Zagreb – Faculty of Science, Department of Geography) - 514 respondents: 30 BoB service users and 484 bus-passengers
– Communication campaign (leaflets, media coverage).
Buses for installation of bike-racks::
Development of technical solution (design of the racks and calculations) and documentation - -- Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb:

- Analysis of possible technical solutions and position of the bike-racks (in front of bus, on the back, inside of the bus?)
  25th August 2014 - 3rd September 2014

- Technical documentation – design and calculations
  3rd September 2014 - 18th September 2014

- Documentation for homologation and atests from The Vehicle Center of Croatia (CVH), issuing approval for use
  18th September 2014 24th October 2014
Construction and installation of bike-racks (Public transport company - ZET):

Purchasing of materials

18th September 2014 - 15th October 2014

Construction (cutting, turning, milling, drilling, bending and zinging)

2nd October 2014 - 16th October 2014

Varnishing and final installation (on the first bus – test racks)

16th September 2014 - 20th September 2014

Preparation for installation, varnishing and installation (other 3 buses)

16th October 2014 - 24th October 2014

LAUNCH OF THE SERVICE 25th of October 2014!
Construction of bicycle racks (ZET):
Process of Installation (ZET):
Varnishing and final installation (ZET):
Bike-racks on bus (ZET):
Testing (Faculty of Mechanical Engineering and Naval Architecture and ZET):
• Service available on 18 bus stops on lines: 102 (Britanski trg-Šestine-Mihaljevac), 103 (Britanski trg-Kraljevec) i 140 (Mihaljevac-Sljeme).
• Leaflets about the service and instructions for use available on bus stops
• Pavement marked on bus stops (service available on marked stops)
Informing cyclists (Dissemination efforts):
Drivers:

• Political will in Zagreb – support from the Mayor
• CIVITAS MIMOSA partner city Funchal and their enthusiastic approach and willingness to share their experience no matter how good or bad
• Cooperation of bus drivers
• Professionalism, efforts and enthusiasm of ZET staff in developing bike-racks, and willingness to co-finance production of racks
• Bus drivers’ strong acceptance of the new service
• Citizens’, bike users’ as well as bus passengers’ and also bike associations’ strong acceptance of the new service
• Participation and support from scientific institutions
• Media interest (positive) and coverage
Total costs (EU co-financing + own resources):

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Grad Zagreb</td>
<td></td>
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<tr>
<td>vođenje projekta</td>
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<tr>
<td>organizacija promidžbe i vidljivosti</td>
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<tr>
<td>tehnička dokumentacija</td>
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<tr>
<td>studijsko putovanje</td>
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<tr>
<td>istraživanje</td>
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<td><strong>Grad Zagreb</strong></td>
<td><strong>11,445.96 EUR</strong></td>
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<td>Sufinancirano od Civitasa</td>
<td><strong>4,870 EUR</strong></td>
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<td><strong>Ukupno:</strong></td>
<td><strong>16,315.96 EUR</strong></td>
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<td>ZET</td>
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<td>Izrada 3 nosača za autobuse ( radni sati, materijal, dijelovi i vanjske usluge )</td>
<td><strong>19,904.96 EURA</strong></td>
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<tr>
<td><strong>Sveukupno:</strong></td>
<td><strong>36,220.92 EURA</strong></td>
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Follow up:

- On the website of EU project FUPOL (City of Zagreb is one of the partners) [http://www.fupol.eu/](http://www.fupol.eu/) - collecting comments and ideas of our citizens regarding Bike on Bus service
- Introduction BoB service on new lines (so far, line 203 - the most probable)
- Before that – defining this service by book of regulations
- City of Zagreb and public transport company ZET should decide about free service or price of ticket
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