



Integracija i planiranje multimodalnog sustava „Park & Ride“, primjer strategije za Grad Zagreb

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22/9/2015

ZAGREB, HRVATSKA

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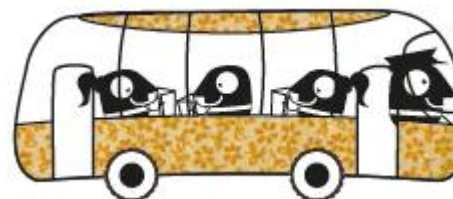


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„Park and ride” sustavi



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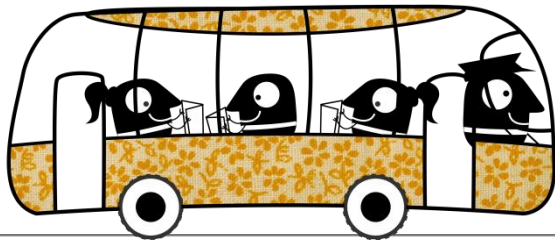


Preduvjeti za P+R sustav – kvalitetni JGPP
i zaokret u prometnoj politici – „polukružno” okretanje politike parkiranja u gradovima



SOUMP [PUOM]

EU Green Paper on Urban Mobility, 2007



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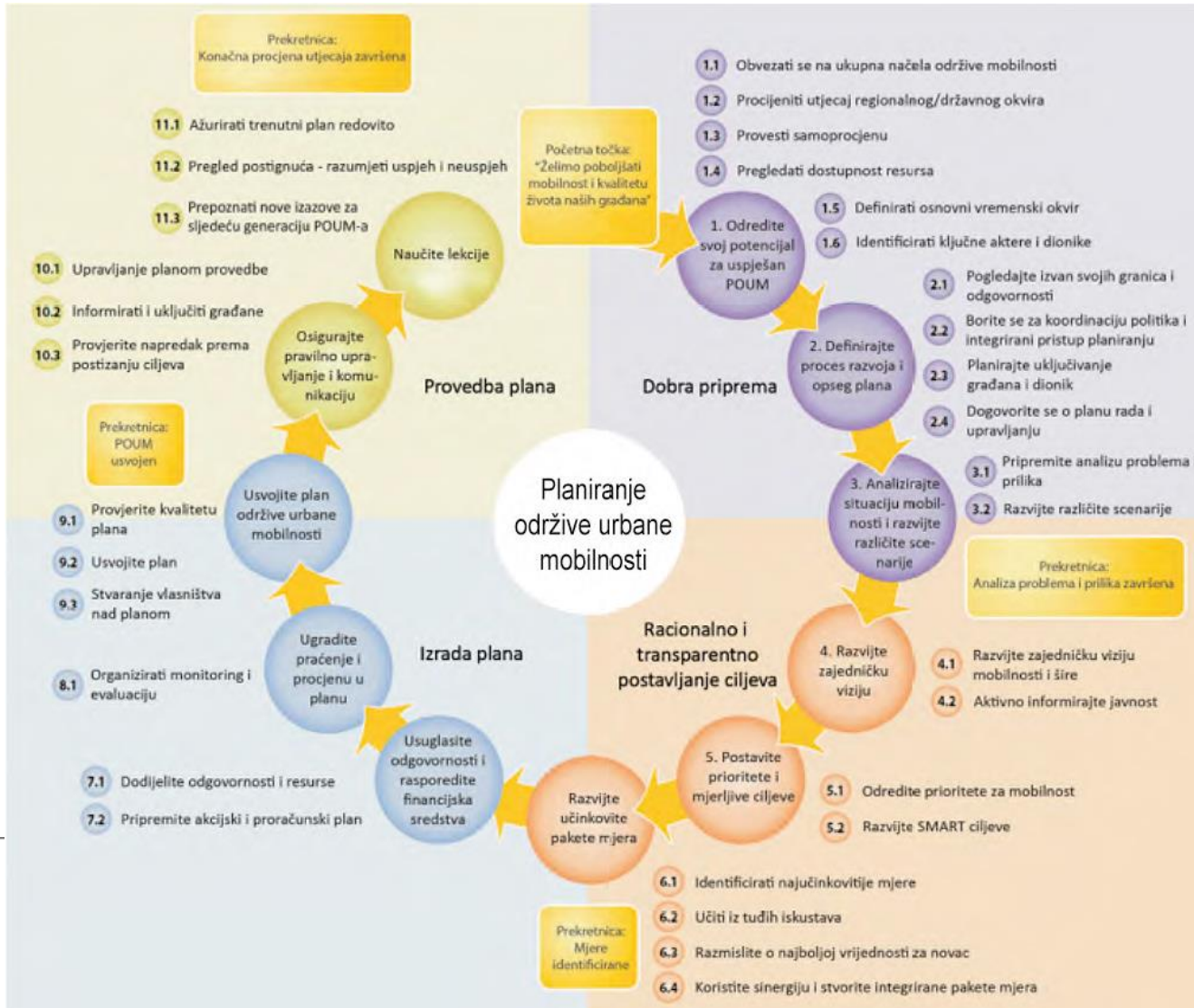
*ITS Action plan, D 2010/40/EU
EU White Paper on transport, 2011*



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SUMP [PUOM]



Ilustracija : POUM ciklus planiranja Izvor: Bührmann/Wefering 2011.



STRATEGIJA PARK AND RIDE (P+R) SUSTAVA

- Efektivne „Park and ride” strategije (Ekonomski mehanizmi, Regulatorni mehanizmi, Fizički dizajn, Kvaliteta usluge kroz poslovna partnerstva...)
- Organizacija P+R sustava i upravljanje prometnom potražnjom
- Politika planiranja P+R sustava, upravljanje i održavanje
- Komunikacija, informiranje i promidžba
- Strategije za poticanje upotrebe P+R sustava
- Poslovna partnerstva i financiranje
- Interoperabilnost i komplementarni P+R sustavi (Upotreba ITS sustava, multimodalnost i prometne/putne informacije u stvarnom vremenu)



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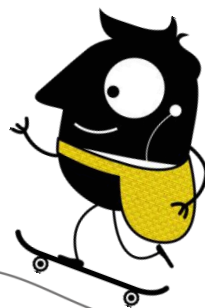
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SMART TICKETING

- Pre-paid
- Post-paid
- Naplata po prijeđenom putu
- Kartice
- Automati za karte
- E-novčanik
- ...



Brojanje putnika
- registracija kod ulaska i izlaska

Jedinstveni sustav
kompleksnog tarifiranja u JGPP

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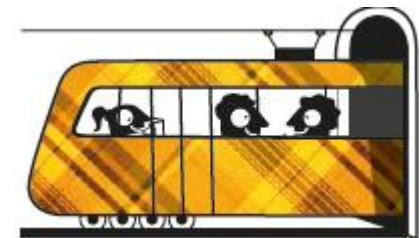
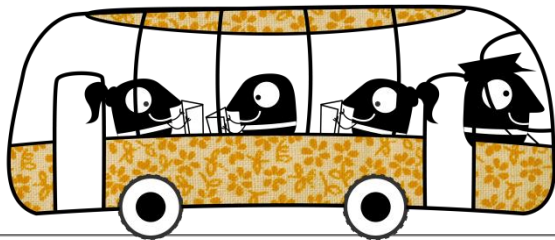
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EuroTest QUALITY SAFETY MOBILITY			Public Transport 2010: Test of 23 European Cities				
City		Traveltime 35%	Transfer 15%	Information 25%	Tickets/Fares 25%	Overall result	
1	Munich (D)	++	++	++	o	++	
2	Helsinki (FIN)	+	++	+	++	+	
3	Vienna (A)	+	++	+	+	+	
4	Prague (CZ)	o	o	o	++	+	
5	Hamburg (D)	+	++	++	o	+	
6	Copenhagen (DK)	++	+	o	++	+	
7	Frankfurt (D)	++	++	+	-	+	
8	Barcelona (E)	o	++	o	++	+	
9	Leipzig (D)	+	++	o	++	+	
10	Cologne (D)	+	++	+	o	+	
11	Rome (I)	o	+	--	++	+	
12	Bern (CH)	+	+	o	+	+	
13	Paris (F)	++	-	-	o	o	
14	Brussels (B)	o	o	o	++	o	
15	Amsterdam (NL)	+	o	+	o	o	
16	Warsaw (PL)	-	o	-	++	o	
17	Oslo (N)	+	o	+	--	o	
18	Lisbon (P)	-	o	o	++	o	
19	Madrid (E)	o	-	-	++	o	
20	London (GB)	+	+	++	--	o	
21	Budapest (H)	o	--	--	++	o	
22	Ljubljana (SLO)	o	--	--	+	-	
23	Zagreb (HR)	--	--	--	++	--	

++ very good + good o acceptable - poor -- very poor

JGPP



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Postojeće stanje, mogućnosti poboljšanja
zaokret politike parkiranja – ulice građanima!



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 European Commission



EuroTest 2013: 60 Car Parks in 15 European Cities

Car Park	Safety	Accessibility	Userfriendliness	Pricing	Overall Rating	Car Park	Safety	Accessibility	Userfriendliness	Pricing	Overall Rating	Car Park	Safety	Accessibility	Userfriendliness	Pricing	Overall Rating
Weighting	40%	30%	20%	10%		Weighting	40%	30%	20%	10%		Weighting	40%	30%	20%	10%	
Amsterdam						Frankfurt						Oslo					
Museumplein	+	o	+	o	+	Goetheplatz	+	+	+	+	+	Oslo S	o	+	++	o	+
Amsterdam centre	+	o	--	--	o	Openturm	+	o	o	+	o	Vestre Vika	o	o	+	-	o
De Bijenkorf	+	--	o	o	-	Hauptwache	o	o	--	++	o	Alker Brygge	+	o	-	-	o
Stadhuis / Muziektheater	+	--	-	o	-	Moselstraße	-	--	--	--	-	Galleriet Vest	o	-	--	-	-
Barcelona						Geneva						Paris					
Francesc Cambó	+	o	-	+	o	Saint-Antoine	o	o	+	o	o	George V	+	o	+	o	o
Plaça Catalunya	+	+	--	+	o	Plainpalais	o	o	+	+	o	Quai Branly-Tour Eiffel	+	o	o	+	o
Molí de la Fusta	o	-	-	+	o	Cornavin	+	o	o	+	o	Opéra-Meyerbeer	o	o	o	o	o
El Born	-	o	--	+	-	Mont-Blanc	+	o	--	-	o	Champs Elysées	o	o	-	o	o
Berlin						Luxemburg						Vienna					
Parkhaus am Zoo	+	o	+	+	+	Gare de Luxembourg	+	+	+	++	+	Stiftgasse	+	o	-	-	o
DomAquaree	o	+	+	o	+	Monterey	o	o	+	++	o	Zimmermannplatz	o	o	-	o	o
KaDeWe, P1	+	o	+	o	+	St. Esprit	o	o	--	+	o	Mariahilfer Straße	-	-	--	--	-
Kulturbrauerei	o	-	o	++	o	Théâtre	o	o	--	+	o	Technische Universität	o	--	--	-	-
Brussels						Madrid						Zagreb					
Parking 5B	o	o	+	+	o	Serranopark III	o	+	+	+	+	Tuškanac	o	+	o	+	o
Monnaie - Munt	o	o	o	+	o	Marqués de Urquijo	o	o	+	+	o	Gujetni	o	o	+	o	o
Loi - Wet	+	o	o	+	o	Plaza de los Mostenses	o	o	o	+	o	Importanne Galleria	o	o	-	++	o
Gare du Midi - Zuidstation	+	o	+	--	o	Plaza de Colón	o	o	-	+	o	Langić	o	o	--	+	o
Copenhagen						Munich						Zurich					
Magasin	++	o	+	--	o	Schranne	+	o	-	--	o	Opéra	++	+	++	o	+
Det Grønne P-hus	o	o	o	+	o	Isarparkhaus	o	o	o	+	o	Hohe Promenade	+	o	+	-	+
Nyropsgade	o	o	+	-	o	Hbf Süd	o	-	--	+	-	Urania	+	+	o	o	o
Amerika Plads	-	o	--	o	-	CarPark Cristal	o	--	o	--	-	Pfngstweid	-	-	--	++	-

Rating: ++ very good + good o acceptable - poor -- very poor



Promet u mirovanju



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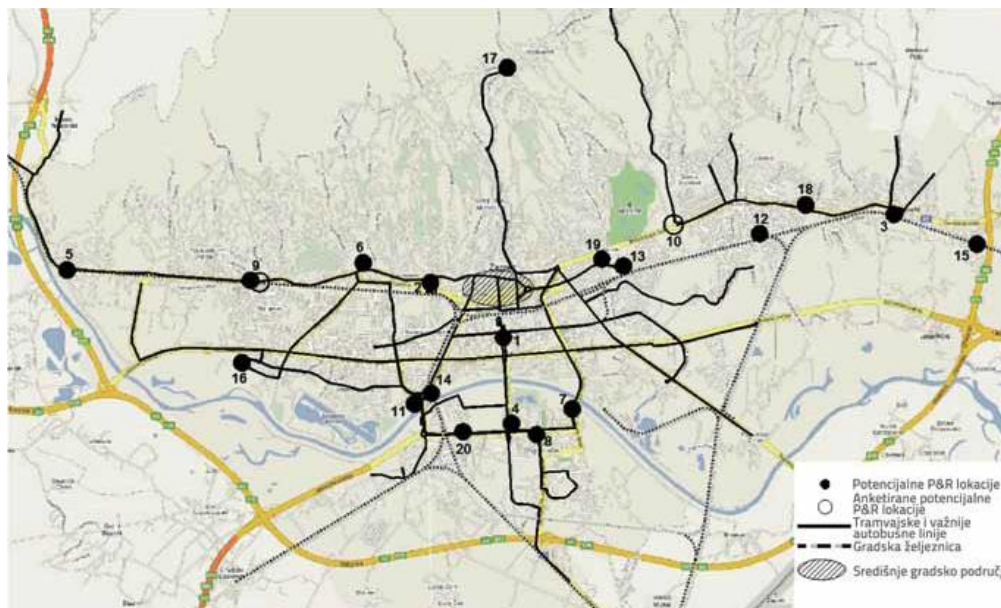
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Postojeće stanje, mogućnosti poboljšanja



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Primjer Grad Zagreb

Potencijalni P+R objekti, Zagreb, source D.Krasić,Z.Lanović, 2013.[6]



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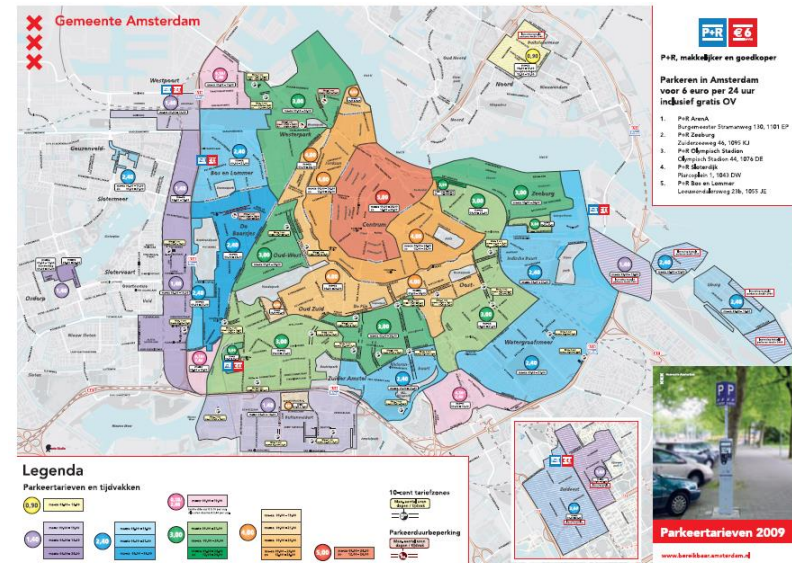
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- ✓ Upravljanje P+R sustavom i kapacitiranje
- ✓ Povezanost s JGPP – komutacijski čvorovi
- ✓ Sustav tarifiranja
- ✓ Informacije i administracija

Primjeri najbolje prakse



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JGPP + ITS +  +....

Zaključak



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