

evi Slovenske Informatike 2012
Portorož, 16. - 18. April 2012

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FERI

Uporaba ontologij in
tehnologij semantičnega
spleta za pospeševanje
uporabe e-storitev

Vsebina

- “ E-Storitve?
- “ Dostopnost e-storitev
- “ Uporaba e-storitev
- “ Platforma OSSP
- “ Ontologija
- “ Primer: predlaganje e-storitev

E-Storitve?

“ IKT-podprte storitve, po navadi povezane v omrežje:

“ Spletne storitve

“ Spletne strani / aplikacije

“ Druge storitve, podprte z IKT

“ The concept of E-service (short for electronic service), represents one prominent application of **utilizing the use of information and communication technologies (ICTs) in different areas.**
[Wiki]

[European Commission report for digital economy i2010]

E-government on-line availability - [tsiir120]
 Percentage of online availability of 20 basic public services
 The indicator shows the percentage of the 20 basic services which are fully available ... [more](#)

geo	time	2002	2003	2004	2006	2007	2009
EU (27 countries)		:	:	:	:	59	74
EU (25 countries)		:	:	41	51	62	76
EU (15 countries)		36	47	49	56	68	81

Level of Internet access - households - [tsiir040]
 Percentage of households who have Internet access at home
 Percentage of households who have Internet access at home. All forms of internet use are ... [more](#)

geo	time	2002	2003	2004	2005	2006	2007
EU (27 countries)		:	:	41	48	49	
EU (25 countries)		:	:	43	49		
EU (15 countries)		39	43	49	49		

[European Commission report for digital economy i2010]

E-government usage by enterprises - [tsiir140]

Percentage of enterprises which use the internet for interaction with public authorities
 Percentage of enterprises using the internet to interact with public authorities (i.e. ... [more](#))

geo	time	2003	2004	2005	2006	2007	2008	2009
EU (27 countries)								
EU (25 countries)			51	57	63	85	88	71
EU (15 countries)			52	57	64	87	70	73
			50	56	64	86	70	74

E-government usage by individuals by gender - [tsiir130]; All Individuals

Percentage of individuals aged 16 to 74 using the internet for interaction with public authorities
 Percentage of individuals aged 16 to 74 who have used the internet, in the last 3 months, ... [more](#)

geo	time	2002	2003	2004	2005	2006	2007
EU (27 countries)							
EU (25 countries)					23	24	
EU (15 countries)					23		

Model za razkorak

- “ Zavedanje obstoja?
- “ Težavna uporaba?
- “ Naslavljanje pravih potreb?
- “ Možnost povezovanja?
- “ Uporaba povezanih storitev?
- “ Trg e-storitev? Agencije e-storitev? ...

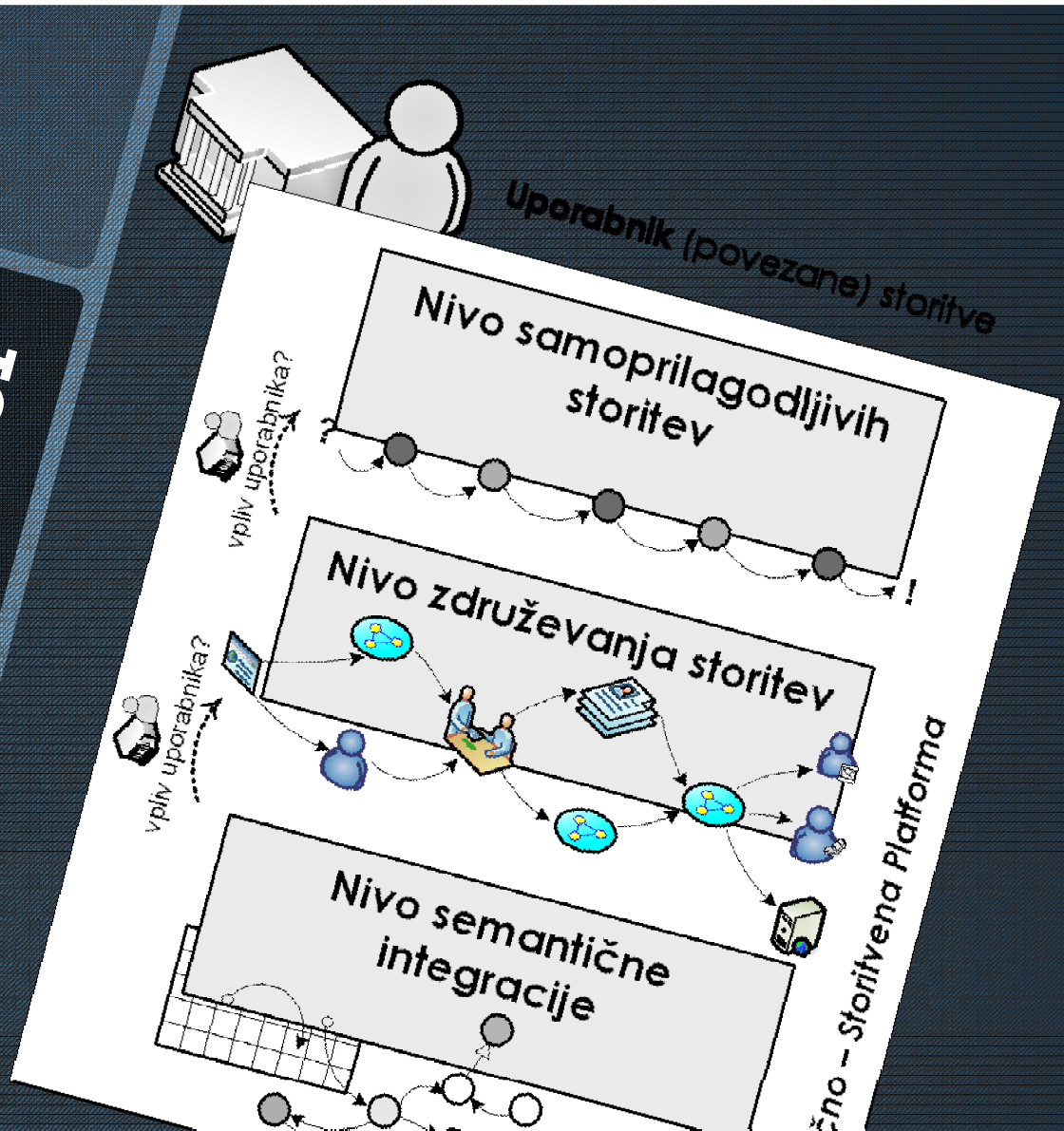
Naša rešitev

- “ Vzpostavitev odprte semantične storitvene platforme
- “ Omogočiti sodelovanje v t.i. storitvenem ekosistemu
- “ Vpeljava konceptov Web 2.0 in Web 3.0 na področje e-storitev
- “ Ponuditi platformo tako zasebnim kot poslovnim uporabnikom
- “ Omogočiti samoprilagodljiv in inteligentne storitve

Naša rešitev

- “ Podpiranje scenarijev uporabe e-storitev na osnovi koreografije in orkestracije
- “ Vzpostaviti ustrezen model trženja
- “ Omogočiti sodelovanje med uporabniki in razvijalci e-storitev
- “ Omogočiti “one-stop-shop”, “end-to-end” e-storitve
- “ Implementacija na področje študentskega življenja in e-zdravja
- “ Poenostavljeno iskanje e-storitev

Schema OSSP



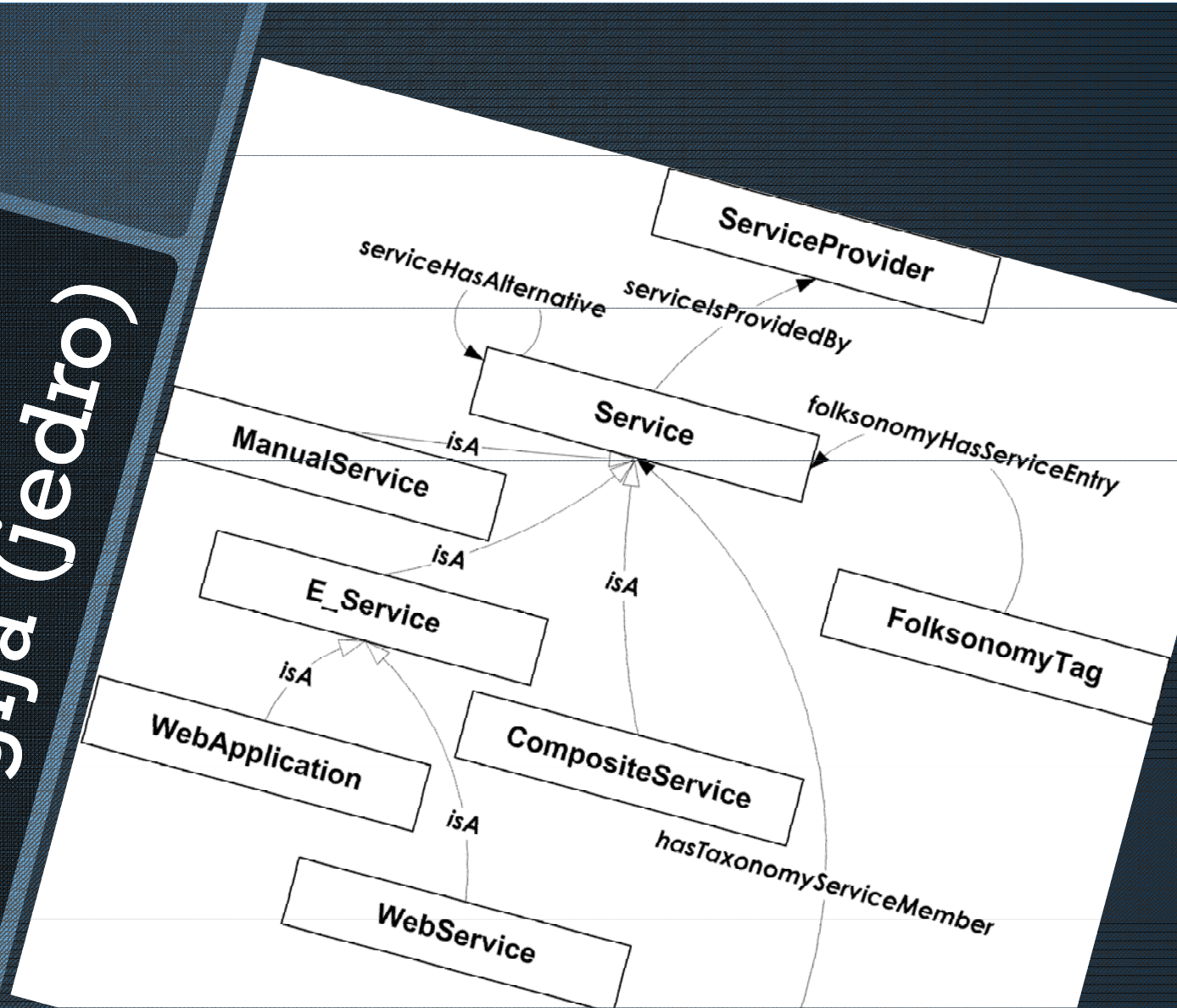
Trenutne funkcionalnosti

- “ Iskanje in uporaba e-storitev
- “ Taxonomije, folksonomije, ontologije, iskanje po ključnih besedah, kriterijsko iskanje
- “ **Predlaganje e-storitev**
- “ Sestavljanje e-storitev
- “ Proženje e-storitev
- “ Varnost, modeli trženja
- “ Samoprilagodljive

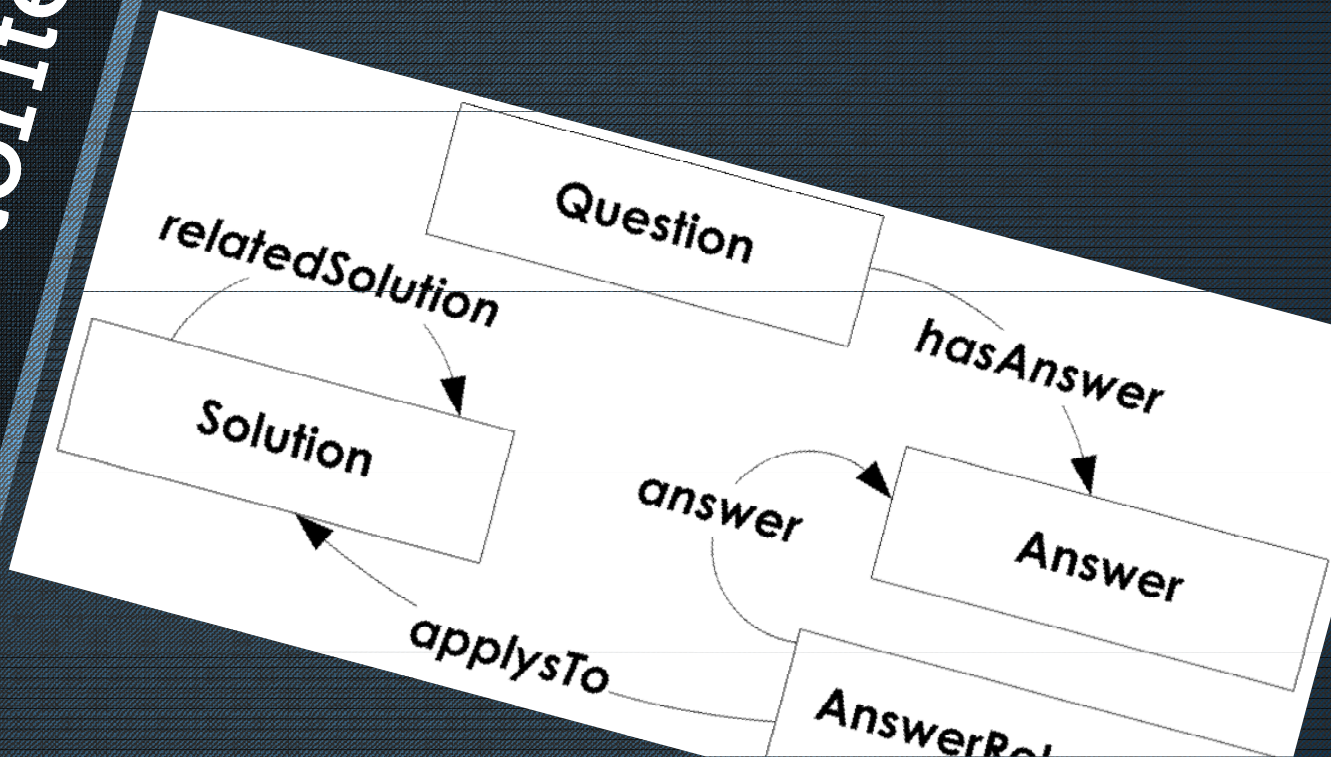
Komponente platforme

- “ Repozitorij
- “ Iskanje
- “ Predlaganje
- “ Proženje e-storitev
- “ Sestavljanje e-storitev

Ontologija (Jedro)



Predlaganje e-storitev



Posledice

- “ Formalen opis e-storitev
- “ Eksplicitno znanje neodvisnih ljudi
- “ Uporaba implicitnega znanja
- “ Dinamično grajenje dialogov
- “ Ni potrebe po fiksnih odločitvenih drevih

Za konec

“ Aplikacija: študentska
populacija, e-zdravje
“ Verifikacija!

“ Metoda omogoča:

“ Formalna predstavitev e-
storitev

“ Minimalna vloga
ekspertov

“ Integracija

Hvala!

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