

Publicare LOD //////////////////////////////////////
lo stato in Italia //////////////////////////////////////
un'analisi dei requisiti tecnologici //////////////////////////////////////
una dimostrazione di interoperabilità //////////////////////////////////////

DIEGO VALERIO CAMARDA / REGESTA.EXE / LODLIVE

**18° NEXA
LUNCH SEMINAR**

turin, 26th february 2014



@dvcama



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This presentation is based on data generated using
<https://github.com/dvcama/lod-tester>

The tool has been written expressly for the LOD2014
conference and has been published in open source
to verify and allow further analysis

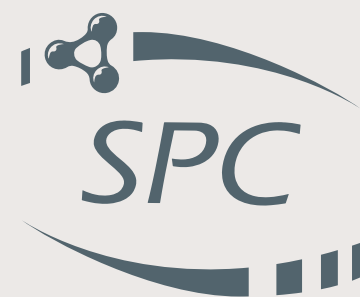
STATE OF THE ART

STATE OF THE ART

analyzing



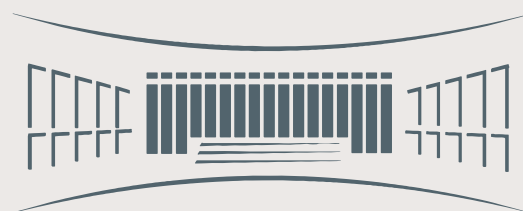
reLOAD





reLOAD

Archivio Centrale dello Stato



cultura
italia





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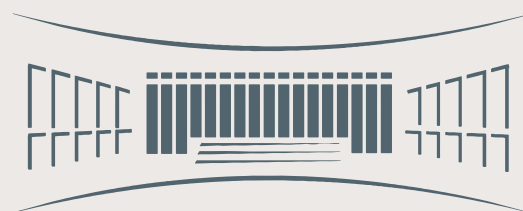
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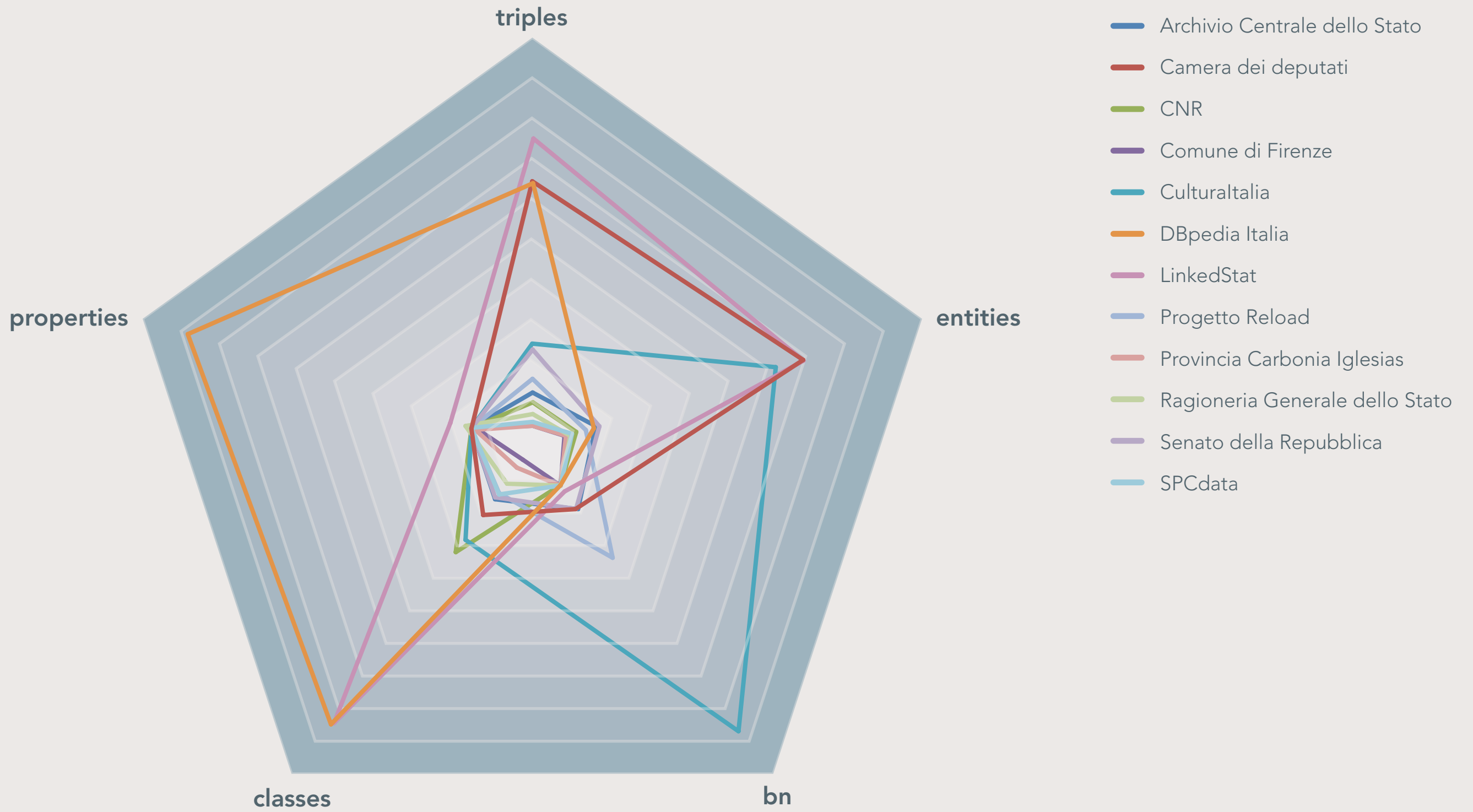


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in figures

	triples	entities	bn	classes	properties	
	Archivio Centrale dello Stato	12 346 270	1 231 399	307 806	52	232
	Camera dei deputati	90 681 359	9 141 620	295 989	72	245
	CNR	8 862 396	485 977	365	120	207
	Comune di Firenze	63 389	8 422	–	4	22
	CulturalItalia	30 387 982	8 098 235	3 192 174	104	249
	DBpedia Italia	89 980 667	1 133 907	6	337	12 296
	LinkedStat	136 390 812	10 595 346	4 421	481	971
	Progetto Reload	17 493 969	818 194	935 048	45	234
	Provincia Carbonia Iglesias	201 817	62 952	–	13	17
	Ragioneria Generale dello Stato	4 896 967	227 255	–	32	436
	Senato della Repubblica	28 927 154	1 336 959	300 013	50	225
	SPCdata	1 756 258	290 245	70	46	181

		triples /entities	bn /entities	prop /classes
	Archivio Centrale dello Stato	10 	0.25 	4.46 
	Camera dei deputati	10 	0.03 	3.40 
	CNR	18 	0.00	1.73 
	Comune di Firenze	8 	0.00	5.50 
	CulturalItalia	4 	0.39 	2.39 
	DBpedia Italia	79 	0.00	36.49 
	LinkedStat	13 	0.00	2.02 
	Progetto Reload	21 	1.14 	5.20 
	Provincia Carbonia Iglesias	3 	0.00	1.31 
	Ragioneria Generale dello Stato	22 	0.00	13.63 
	Senato della Repubblica	22 	0.22 	4.50 
	SPCdata	6 	0.00	3.93 



STATE OF THE ART

italian linked data cloud

PUT YOUR
LOD ONLINE

PUT YOUR LOD ONLINE

focusing on goals



VS.






the goals:

- › build a *new web*, different but complementary to the *classic web*
- › allow machine exploration through standard technologies
- › guarantee reliability as in the *classic web*
- › accept that publishing LOD is not a goal, it's just a starting point
- › use owl:sameAs (and similar) as the new Hypertext Links

PUT YOUR
LOD ONLINE

for machines, not for humans




machine experience issues: 84% mastered

- › the endpoint supports SPARQL content negotiation **11/11** 
- › the endpoint (triplestore) is up-to-date **9/11** 
- › the endpoint uses port 80 (HTTP) **9/11** 
- › the endpoint supports JSONP calls **9/11** 
- › the endpoint URL is easy to deduce from resources **8/11** 
- › the resources are on-line **10/11** 
- › the URIs support rdf+xml via content negotiation **9/11** 
- › the resources are described by dc:title or rdfs:label **9/11** 

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ok, humans also are important

user experience issues: 79% mastered

- › the endpoint hosts a page for humans 8/11 
- › the resources and the endpoint are on the same domain 9/11 
- › the URIs support text/html via content negotiation 9/11 

PUT YOUR
LOD ONLINE

and the winner is...



Italian Linked Data Cloud

11 endpoints
22 544 920 entities
283 841 970 facts

And the best endpoints are...



Italian Linked Data Cloud

11 endpoints
22 544 920 entities
283 841 970 facts

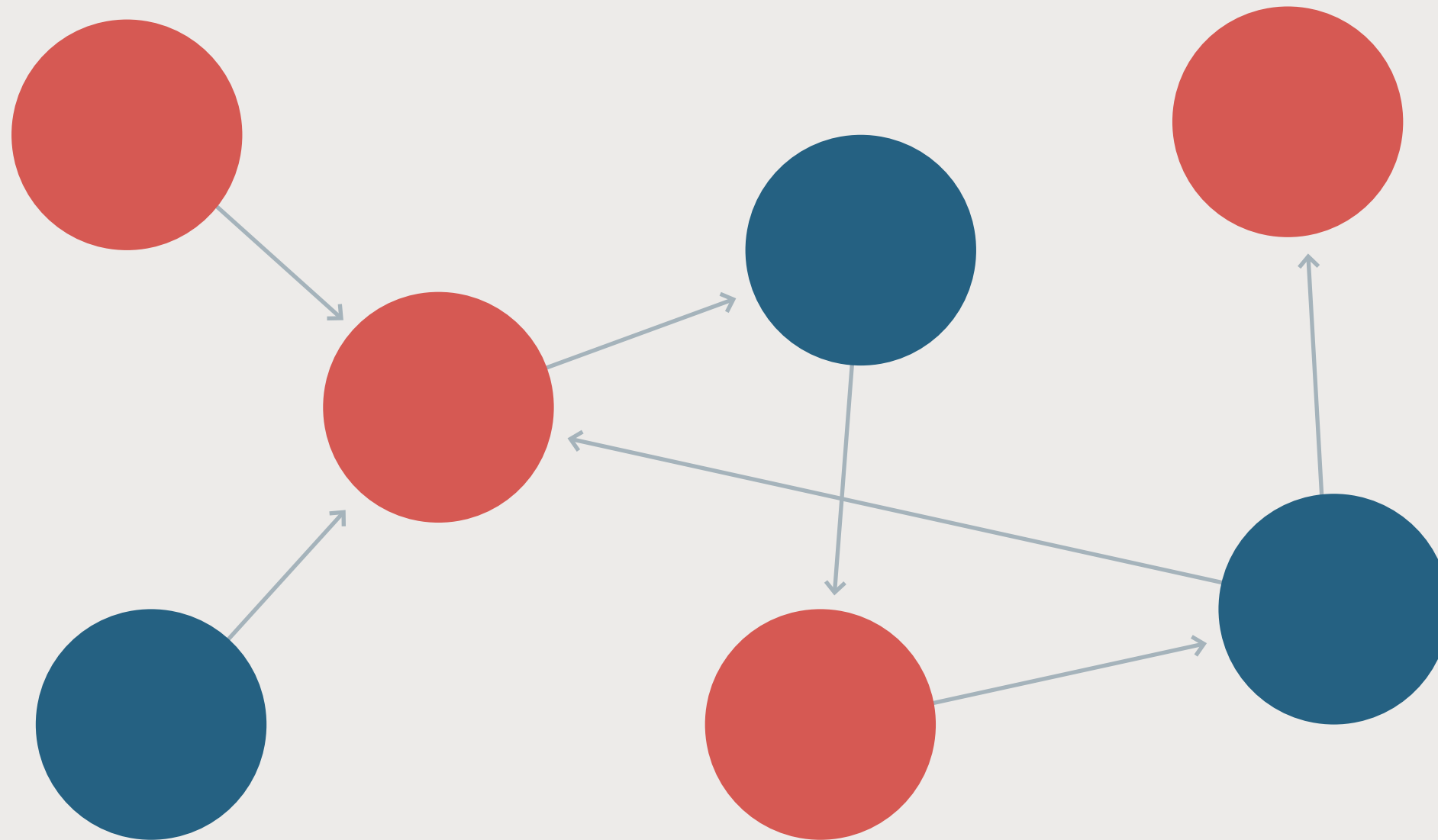
And the best endpoints are...

The best endpoints are...
CLASSIFIED

**TIME
FOR ACTION**

TIME FOR ACTION

testing interoperability



lodlive.it

lod•live

github.com/dvcama/LodLive

REFERENCES

REFERENCES

italian endpoints addresses



Archivio Centrale dello Stato

<http://dati.acs.beniculturali.it/sparql>



Camera dei deputati

<http://dati.camera.it/sparql>



CNR

<http://data.cnr.it/sparql-proxy>



Comune di Firenze

<http://linkeddata.comune.fi.it:8080/sparql>



Culturalitalia

<http://dati.culturalitalia.it/sparql>



DBpedia Italia

<http://it.dbpedia.org/sparql>



LinkedStat

<http://linkedstat.spaziodati.eu>



Progetto Reload

<http://lod.xdams.org/sparql>



Provincia Carbonia Iglesias

<http://www.provincia.carboniaiglesias.it/sparql>



Ragioneria Generale dello Stato

<http://dwrgsweb-lb.rgs.mef.gov.it/DWRGSXL/sparql>



Senato della Repubblica

<http://dati.senato.it/sparql>



SPCdata

<http://spcdata.digitpa.gov.it:8899/sparql>