

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

**DIEGO VALERIO CAMARDA** / REGESTA.EXE / LODLIVE

**LINKED OPEN DATA:  
WHERE ARE WE?**

rome, 20th february 2014



@dvcama



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 this conference and has been published in open source to verify and allow further analysis

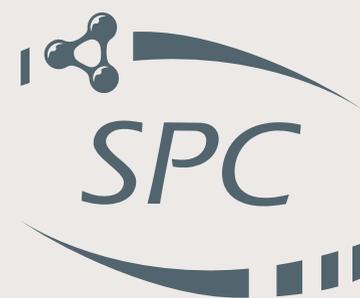
# STATE OF THE ART

# STATE OF THE ART

analyzing



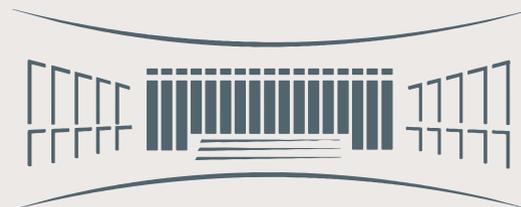
reLOAD





reLOAD

Archivio Centrale dello Stato



Senato della Repubblica



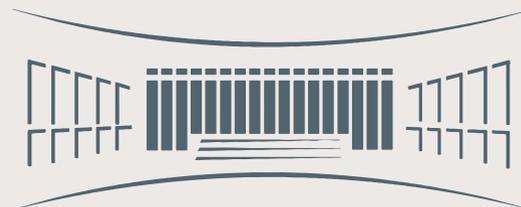
cultura  
italia





reLOAD

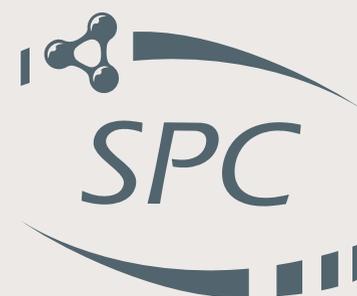
Archivio Centrale dello Stato



Senato della Repubblica



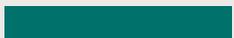
cultura  
italia

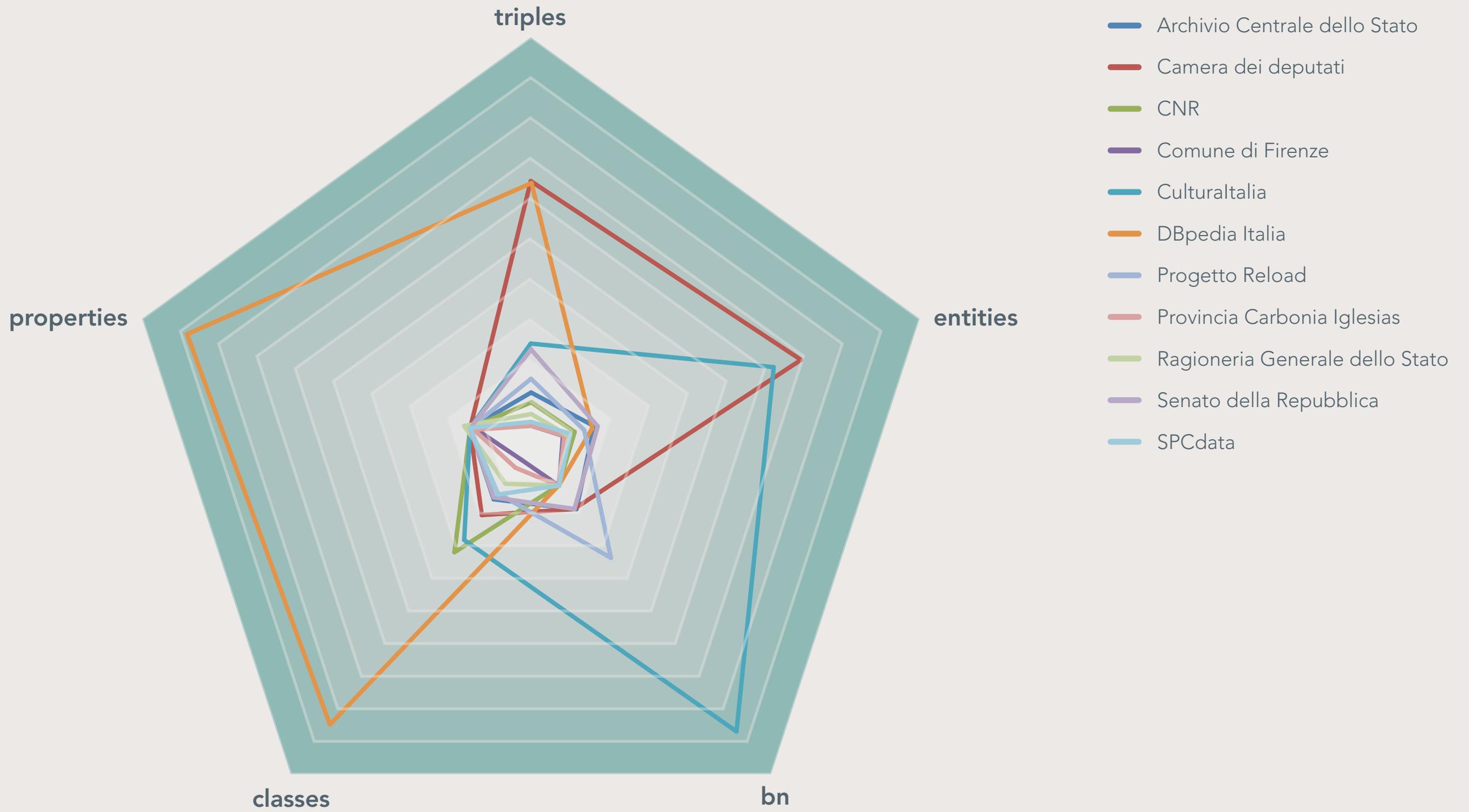


# STATE OF THE ART

in figures

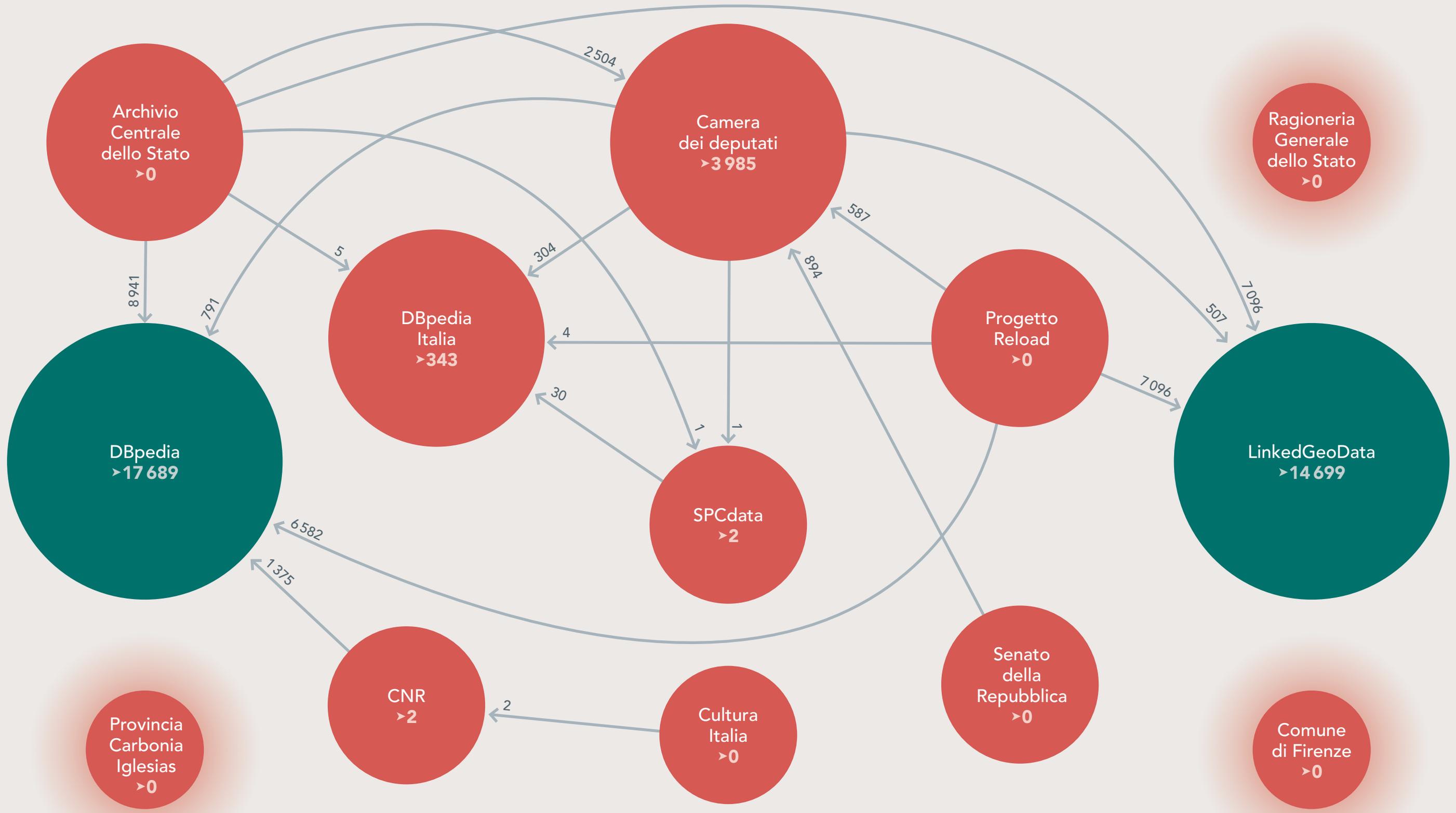
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	<b>Archivio Centrale dello Stato</b>	12 346 270	1 231 399	307 806	52	232
	<b>Camera dei deputati</b>	90 681 359	9 141 620	295 989	72	245
	<b>CNR</b>	8 862 396	485 977	365	120	207
	<b>Comune di Firenze</b>	63 389	8 422	–	4	22
	<b>CulturalItalia</b>	30 387 982	8 098 235	3 192 174	104	249
	<b>DBpedia Italia</b>	89 980 667	1 133 907	6	337	12 296
	<b>Progetto Reload</b>	17 493 969	818 194	935 048	45	234
	<b>Provincia Carbonia Iglesias</b>	201 817	62 952	–	13	17
	<b>Ragioneria Generale dello Stato</b>	4 896 967	227 255	–	32	436
	<b>Senato della Repubblica</b>	28 927 154	1 336 959	300 013	50	225
	<b>SPCdata</b>	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 
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	DBpedia Italia 79 	0.00	36.49 
	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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LOD ONLINE

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  
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And the best endpoints are...

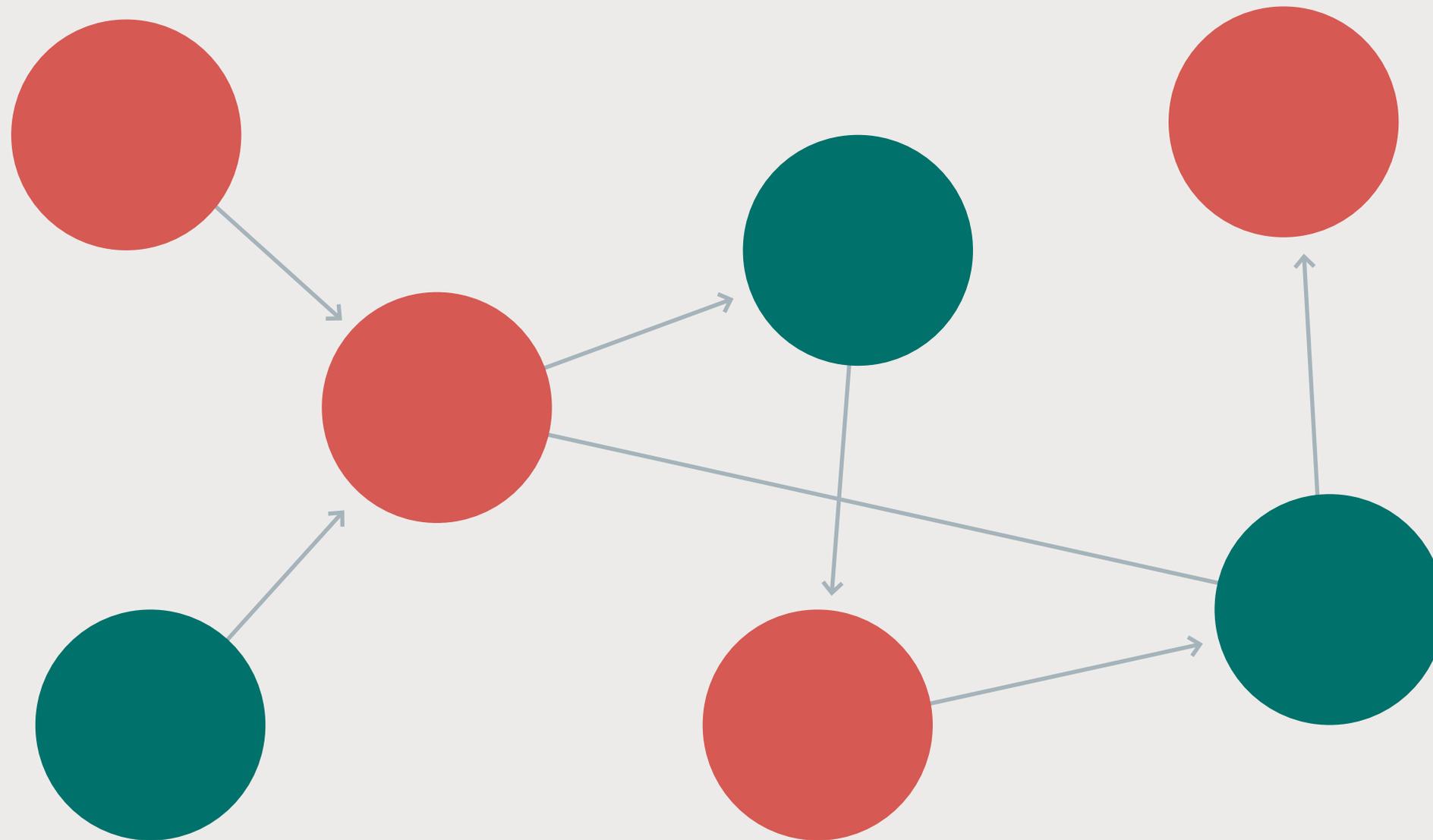
The best endpoints  
**CLASSIFIED**

**TIME**

**FOR ACTION**

# TIME FOR ACTION

testing interoperability



[lodlive.it](http://lodlive.it)

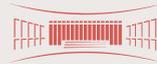
lod•live

[github.com/dvcama/LodLive](https://github.com/dvcama/LodLive)

# REFERENCES

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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.culturaitalia.it/sparql>



**DBpedia Italia**

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



**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>