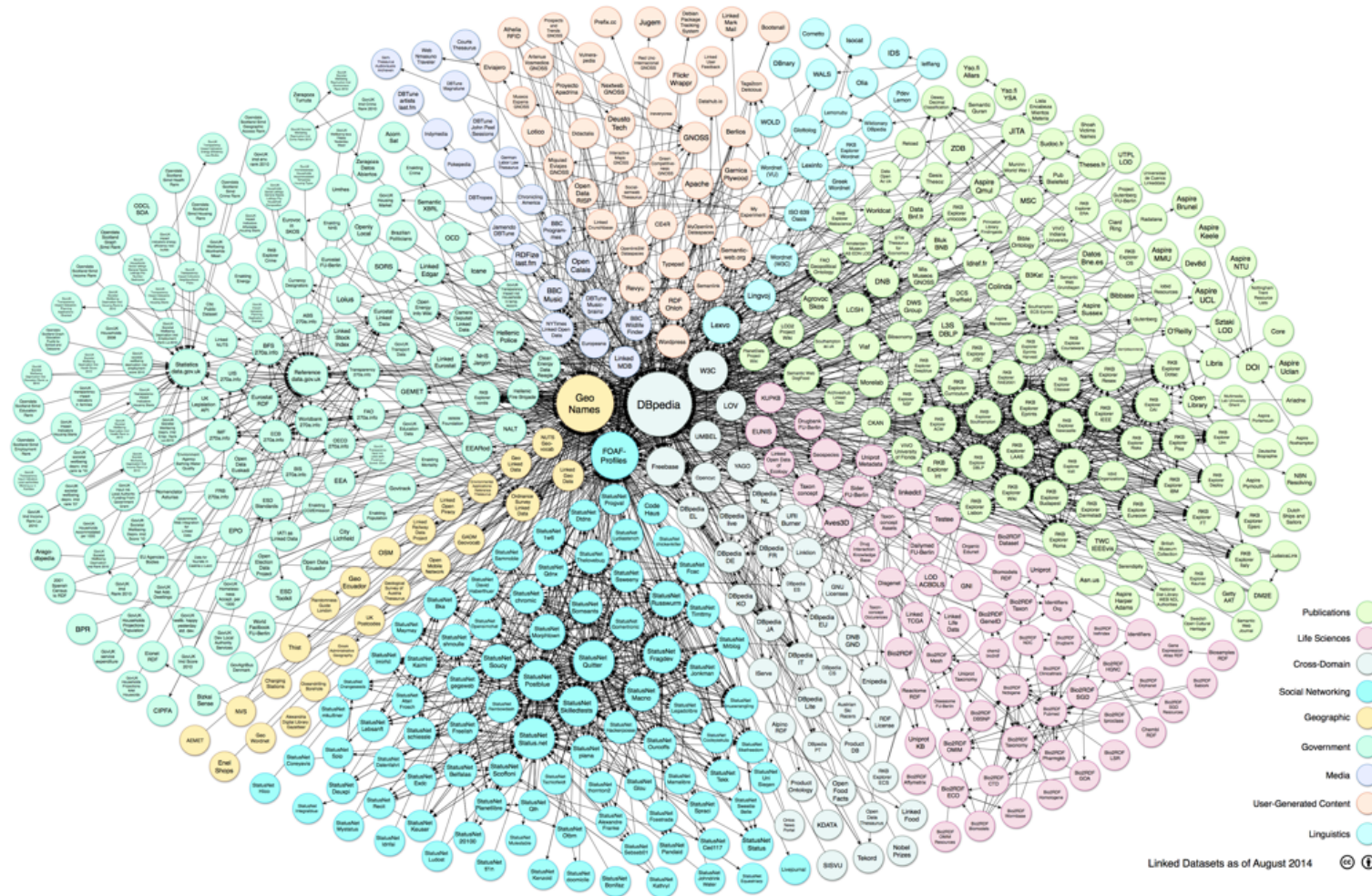- Linked Data Debate:

Let's make RDF great again!

... erm, I mean: C'mon!

Who cares about **RDF**? Let's better focus on **linking Open Data** rather than on **Linked Open Data**

Linked Data is growing…

Linked Datasets as of August 2014

Linked Data is growing...

... is it?

In fact… **Open Data** grows, **RDF** in Open Data does not

Linked **Open Data**

http://data.wu.ac.at/portalwatch

- We 're monitoring OD portals weekly since ~1 ½ years:
  - Currently ~260 portals (CKAN, SOCRATA, OpenDataSoft)
  - Crawling their APIs weekly, collecting data and metadata (formats, descriptions, etc.)

Open Data Portal Watch   Info   Portals   API   Quality Measures   About

About the Open Data Portal Watch Framework

Portals   **Software Dist**   **ISO3 Dist - all**

261

Search:

Software	Count	%
Socrata	102	39.08
OpenDataSoft	11	4.21
CKAN	148	56.70
all	261	100

Country	Count	Perc
USA	113	43.30
GBR	14	5.36
DEU	11	4.21

Showing 1 to 3 of 45 entries

http://data.wu.ac.at/portalwatch

- Key insight:
  - Amount of RDF stable at ~1% as of Data format popularity
    - ... Not even among the top 10 (#18)
    - ...we don't see it growing significantly
  - Amount of CSVs, XML (and JSON) data growing much faster than RDF

format	$|\mathcal{R}|$	%	$|\mathcal{P}|$
PDF	804290	22.9	103
HTML	776696	22.1	82
XML	244654	7	90
CSV	226694	6.5	120
other	180088	5.1	5
XLS	99626	2.8	97
orig. d. f.[a]	98135	2.8	1
geotif	95391	2.7	2
ZIP	66963	1.9	87
tiff	66075	1.9	12
others	846286	24	

RDF is dead!

Other formats on the rise:

- Tabular data: **CSV**

- Nested objects: XML, JSON

  - What please do I gain by transforming these to RDF? ...

Sure, I can trivially turn that to Turtle…

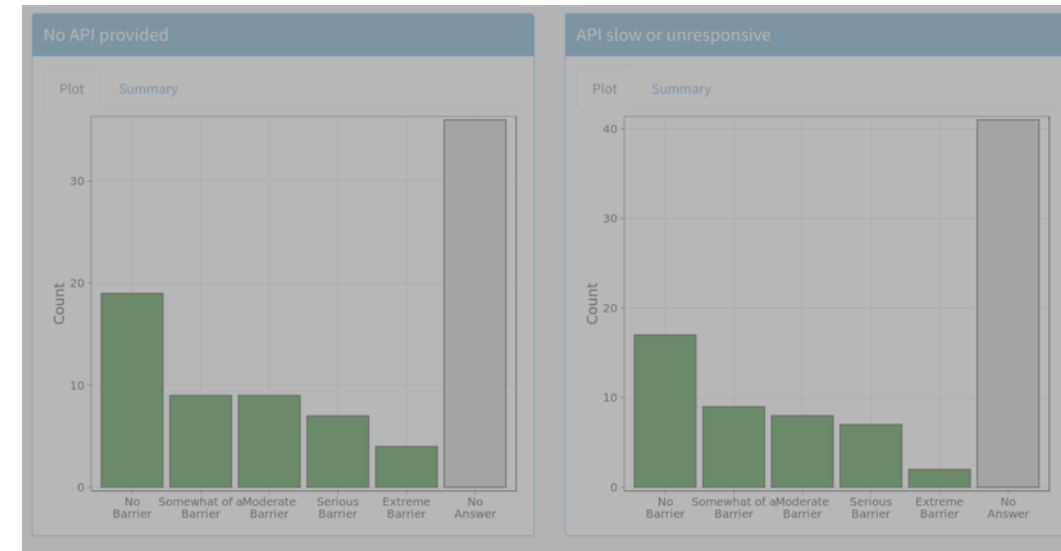| Station	Name	Höhe m	Datum	Zeit	T °C	TP °C	RF %	WR °	WG km/h	WSR °	WSG km/h	N l/m²	LDred hPa	LDstat hPa	SO %
11010	Linz/Hörsching	298	13/10/16	01:00	5,8	5,3	97	230	3,6		5,4	0	1019,4	981,3	0
11012	Kremsmünster	383	13/10/16	01:00	5,2	4	94	226	10,8	220	13,3	0	1019,6	972,3	0
11022	Retz	320	13/10/16	01:00	7	5,3	89	323	14,8	323	28,1	0	1017,7	979	0
11035	Wien/Hohe Warte	203	13/10/16	01:00	8,1	5,4	83	294	15,1	299	33,1	0	1017,4	992,2	0
11036	Wien/Schwechat	183	13/10/16	01:00	8,2	5,2	81	300	25,9		38,9	0	1017,3	995,1	0
11101	Bregenz	424	13/10/16	01:00	3,4	2,4	94	100	3,2	84	6,1	0	1016,7	963,7	0
11121	Innsbruck	579	13/10/16	01:00	0,9	-0,3	92	233	4	240	9,7	0	1020,4	949,3	0
11126	Patscherkofel	2247	13/10/16	01:00	-4,9	-8,2	79	172	46,1	171	56,5	0		771	0
11130	Kufstein	495	13/10/16	01:00	1,4	0,5	95	111	1,1	220	4,7	0	1020,1	960	0
11150	Salzburg	430	13/10/16	01:00	0,9	0,5	97	80	5,4		11,2	0	1020,3	965,6	0
11155	Feuerkogel	1618	13/10/16	01:00	-2,4	-2,9	98	152	4	69	9,4	0		834,8	0
11157	Aigen im Ennstal	640	13/10/16	01:00	0,9	-0,5	93	324	0,7	300	6,5	0	1021,7	942,7	0
11171	Mariazell	866	13/10/16	01:00	2,9	2	95	60	2,5	317	6,5	0	1019,2	917	0
11190	Eisenstadt	184	13/10/16	01:00	8,4	4,7	78	277	10,4	290	23	0	1017	994,9	0
11204	Lienz	659	13/10/16	01:00	0,5	-1,5	87	326	4,3	234	8,6	0	1021,1	940,2	0
11240	Graz/Flughafen	340	13/10/16	01:00	0,6	0	95	0	1,8		7,6	0	1019,5	974,6	0
11244	Bad Gleichenberg	280	13/10/16	01:00	1,3	0,6	96	4	0,7	340	5,8	0	1019,3	985,7	0
11265	Villacher Alpe	2140	13/10/16	01:00	-4,4	-5,6	93	250	37,4	248	40	0		781	0
11331	Klagenfurt/Flughafen	447	13/10/16	01:00	1,7	0,1	90	311	5,4	309	7,9	0	1020,1	964,8	0
11343	Sonnblick	3105	13/10/16	01:00	-9,3	-13,9	73	332	9,7	343	12,2			691,1	0
11389	St. Pölten	270	13/10/16	01:00	6,6	5,8	96	220	12,6	205	25,6	0	1018,9	986,2	0

… but that doesn't make the linking problem any easier, does it?
Nor, @pietercolpaert, does it solve interoperability ;-)

Who cares about RDF? Let's better focus on linking Open Data rather than on Linked Open Data
… and even worse:
Open Data is under challenge as well!

Open Data … many issues:

- Trying hard to increase OD in Austria since 3 years
  - Companies are sceptical
  - OGD publish only incomparable (unlinkable?) data…
    - …unless forced to (PSI, INSPIRE)
  - Open Data cost/added value is still unclear
  - Scepticism combined with fears

- Technical issues

- Social issues
  - … So, don't tell these people to use URIs and links, please ☺ … it's NOT helping at this stage!
  - … there are more fundamental issues!