Sketch Engine as a Platform for Providing Corpora

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Premise

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But:

- Deciding to use a language resource is a commitment.
- People want to explore before committing.

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Showcasing resources is central to a language resource programme.

Sketch Engine

- corpus query system
- web service (including API)
- widely used for
 - lexicography purposes
 - Oxford University Press, Cambridge University Press, Harper Collins, Macmillan, . . .
 - linguistic and language technology teaching and research at universities
 - about 100 academic institutions worldwide
 - thousands of individuals

Sketch Engine features

- **concordancing**, sorting, sampling, wordlists, collocation lists
- full regular-expression searching
- support for parallel corpora, virtual sub- and supercorpora
- handles billion-word (80 G+) corpora smoothly
- word sketches: one-page summaries of a word's grammatical and collocational behaviour
- distributional thesaurus
- keywords extraction, terms extraction
- Corpus Architect: user corpora
 - uploaded by users
 - created by WebBootCaT

Word sketch

resource (noun) British National Corpus freq = 12658 (112.8 per million)

modifier	6477	1.5	object_of	3285	2.2	modifies	<u>1906</u>	0.5	subject_of	<u>512</u>	0.6
scarce	<u>163</u>	9.53	allocate	194	9.58	allocation	135	9.42	devote	28	7.69
natural	321	8.94	pool	<u>39</u>	8.43	implication	<u>46</u>	7.09	consume	<u>4</u>	5.36
limited	<u>187</u>	8.86	exploit	<u>64</u>	8.23	management	<u>153</u>	6.98	tie	<u>6</u>	4.87
financial	<u>249</u>	8.3	divert	<u>38</u>	7.86	defense	<u>7</u>	6.68	last	<u>4</u>	4.6
mineral	<u>89</u>	8.19	deploy	<u>31</u>	7.67	Stonier	<u>6</u>	6.65	back	<u>5</u>	4.5
additional	<u>107</u>	7.92	devote	<u>44</u>	7.64	utilisation	<u>7</u>	6.63	stretch	<u>4</u>	4.29
valuable	<u>74</u>	7.86	concentrate	<u>62</u>	7.35	committee	<u>132</u>	6.49	result	<u>6</u>	3.93
extra	88	7.53	utilise	22	7.28	centre	<u>158</u>	6.4	depend	<u>6</u>	3.84
human	<u>134</u>	7.38	conserve	<u>17</u>	7.09	allocator	<u>5</u>	6.4	limit	<u>5</u>	3.59
renewable	<u>33</u>	7.31	lack	<u>37</u>	7.0	depletion	<u>6</u>	6.21	match	3	3.58
adequate	<u>49</u>	7.28	reallocate	<u>13</u>	6.98	pack	<u>17</u>	6.2	share	<u>6</u>	3.55
non-renewable	<u>25</u>	6.97	mobilise	<u>13</u>	6.83	investigator	8	6.17	earn	3	3.55
existing	<u>53</u>	6.68	mobilize	<u>13</u>	6.79	column	20	6.16	enable	7	3.54
finite	<u>22</u>	6.66	distribute	<u>29</u>	6.73	constraint	<u>14</u>	6.14	remain	<u>12</u>	3.5

Sketch Engine languages

By September 2013 more than **400 corpora** for **70 languages**:

- 100+ corpora having more than 100 million tokens
- 30+ corpora having more than 1 billion tokens
 - In 2010 a series of TenTen (10¹⁰) corpora started
- 56 languages with a PoS-tagged corpus
- 36 languages with word sketches
- 21 languages with integrated tagger for tagging user corpora

Why to use Sketch Engine as a commercial service?

Offering a showcasing programme for resources valuable for general audience, the company:

- takes the costs of providing the service and maintenance
- may gain additional customers

The resource developers:

- have their resources showcased at no cost,
- get access to their resources at no cost,
- get access to other resources in Sketch Engine often at no cost too,

A win-win scenario, a simple agreement easy to implement.

Case studies

- Slovene (FidaPLUS corpus, university consortium)
- Japanese (JpWaC corpus, Tokyo Institute of Technology)
- Chinese (Chinese GigaWord corpus, Academica Sinica)
- German, Italian, English (*WaC corpora, by M. Baroni)
- Czech (Czech National Corpus, ICNC)
- local installations possible as well (IP issues)
- large parts of SkE available as open-source NoSketch Engine

Conclusions

- Showcasing resources is central to a language resource programme.
- The premise: resources will be used by a number of groups ⇒ If they cannot easily be assessed, they will not be.
- Sketch Engine is a leading corpus query tool, providing corpora online and offering a showcasing programme.
- We will be happy to extend the number of language resources, if you are interested, do talk to us!