Querying CoRoLa with KorAP: feedback from users

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Some previous remarks

- CoRoLa was a welcome initiative among the linguists studying Romanian
- For some of them – it answers older needs
- For others – still something new, uncontrollable, treated with reluctance or completely disregarded

Who are the users of CoRoLa

- Linguists
- Language engineers
- From Romania
- From abroad

How many are they?

- ?
- A counter would be useful for this

Have we advertised it enough?

- Definitely NOT!

How did we get feedback?

- Mainly by asking for it
- From the discussion sessions following the presentations we made
- Very few emails got through the contact form available on the website

Positive aspects (KorAP)

- Fast
- Robust
- The possibility to query it by combining different levels of annotation (token, lemma, morphology)
- The use of regular expressions

To improve: CoRoLa website

- Need for the list of occurring words with a link to their occurrences
- The server is sometimes down

To improve: corpus

- Texts quality <=:
  - Diacritic restauration
  - Automatic convertion from pdf to txt
  - Texts without punctuation: e.g. the file **colectie de fraze din wikipedia in limba romana**
  - Existence of two orthographic norms (â/î, sunt/sînt)
- Corpus dimensions: not large enough to reflect some tendencies in the language use!
  - Discussion: “problemelor acestea” N..poy Dd3.po.*
- Tokenization
  - Users are not aware of the conventions: e.g. *pentru că* is one single token, although two words
  - The same string of words is tokenized either as one token or as more tokens: *pentru că*, *ceea ce*, *în urmă*, *de la, în timp ce* etc.
  - How can we search for the unique token variant?
- POS-tagging
  - Need to be translated in Romanian
  - Can be too inclusive: e.g.: Rw
  - Contrary to the linguistic facts: din=Spsa, prin=Spsa, primprejurul=Spsg etc.

To improve: KorAP

- Creating the virtual corpus:
  - Unclear: which attributes from the list are applicable to CoRoLa
  - Unclear: what values these attributes can have in the metadata
- Writing the query:
  - Presupposes becoming familiar with the annotation principles
  - Drop-down lists with values of attributes used in a query would be useful
  - Preference for a certain encoding of quotes: NO: “”, YES: ""
  - Inconsistent/counter-intuitive use of quotes:

[drukola/orth=când | drukola/orth=cînd] o [drukola/m="msd:v.np"]

  - Impossibility of exploiting existing punctuation
    - Returning results disregarding the sentence limits
    - Unsolved ambiguity: e.g. Rw

To improve: KorAP-search

- Negation in regexps: works intermittently:

  Q:
  [drukola/m="msd:nc..o.*"][drukola/m!="msd:s.*"][drukola/m="msd:nc..rn.*"]

  R: (…) *colegelor de cameră*

  Q: [drukola/m="msd:ncfso.*"] [drukola/m="msd:d..fsr.*"] [drukola/m!="msd:n.*"]

  R: (...) *reglementări, această indemnizație*
- Impossible to save the results

To improve: KorAP display

- Order of results: blogs always come first

To improve: KorAP display

- Metadata in different order from one snippet to the other:

audiențe. S-a creat un public fierbine (cei care urmăreau Elodia) al unei singure probleme: senzanționalul, neobișnuitul 23. După Grunig și Repper publicurile se diferențiază prin comportamentul comunicațional și din această perspectivă ei disting patru categorii de public: a) publicurile tuturor **problemelor - acestea** iau parte activ la toate dezbaterile; b) publicurile apatice - acestea sunt puțin active; c) publicurile unei singure probleme - acestea sunt active numai în ceea ce privește un număr limitat de teme, apropiate între ele; d) publicurile problemelor fierbinți - acestea devin active numai după ce

availability	QAO-NC	**corpusSigle**	Corola-publishinghouse	**corpusTitle**		**docSigle**	Corola-publishinghouse/Science
docTitle	Science	**foundries**	dereko dereko/structure dereko/structure/base-sentences-paragraphs drukola drukola/morpho	**language**	ro	**publisher**	Publishing House
textClass	Political Sciences	**textSigle**	Corola-publishinghouse/Science /84981_a_85766	**textType**	Science	**tokenSource**	drukola#morpho

Meta Tokens Relations [Corola-publishinghouse/Science/84981_a_85766]

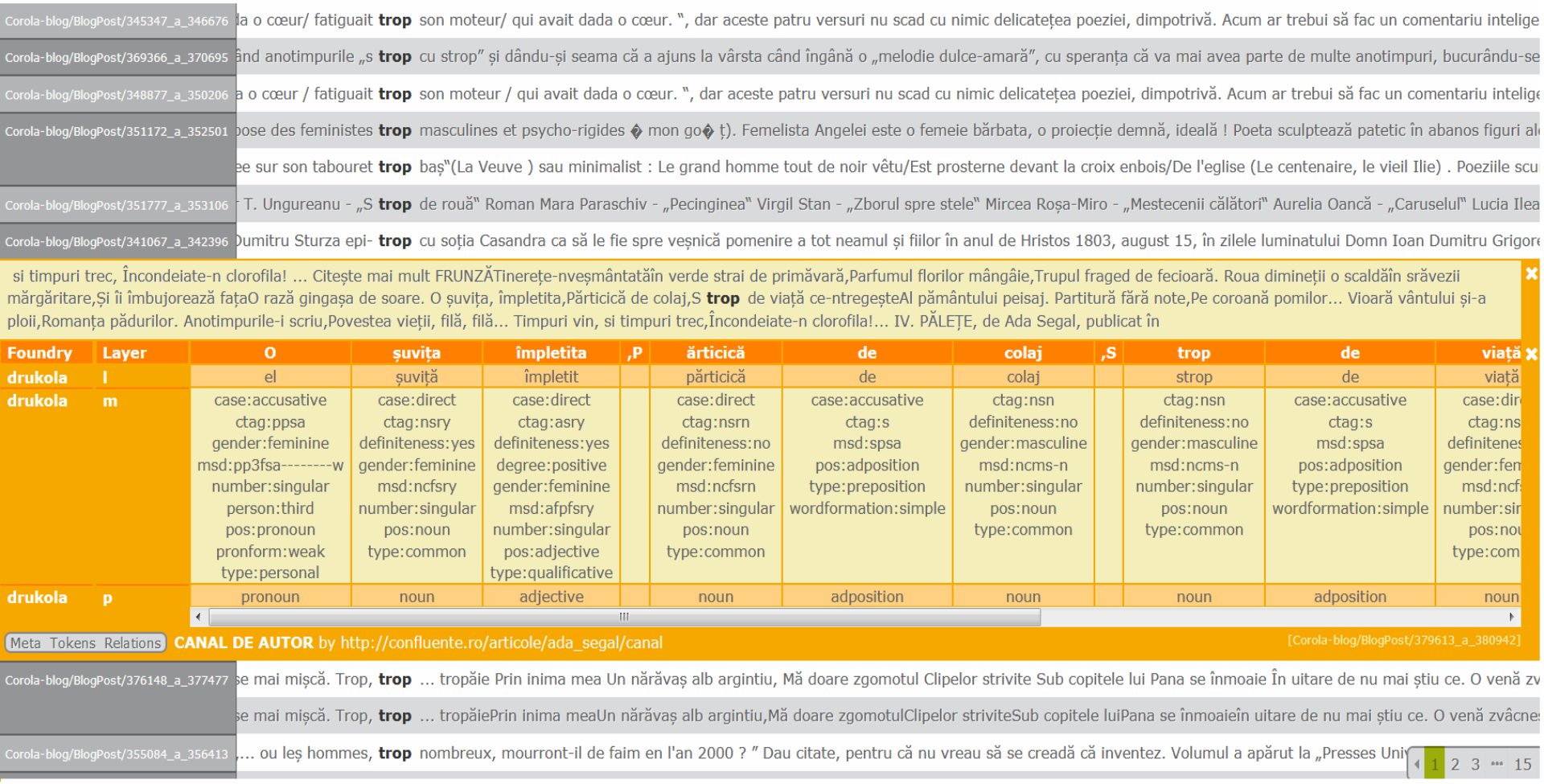
interesele sistemului etc. Prin munca sa, consilierul PR realizează un circuit informațional permanent între propriul sistem și mai multe tipuri de grupuri-țintă. În viziunea lui J. E. Grunig și a lui F. C. Repper (1992), există patru categorii de public: "1. publicurile tuturor **problemelor acestea** iau parte activ la toate dezbaterile; 2. publicurile apatice acestea sunt puțin active; 3. publicurile unei singure probleme acestea sunt active numai în ceea ce privește un număr limitat de teme, apropiate între ele; 4. publicurile problemelor fierbinți acestea devin active numai după ce

author	Flaviu Călin Rus	**availability**	QAO-NC	**corpusSigle**	Corola-publishinghouse	**corpusTitle**	
docSigle	Corola-publishinghouse/Administrative	**docTitle**	Administrative	**foundries**	dereko dereko/structure dereko/structure/base-sentences-paragraphs drukola drukola/morpho	**language**	ro
publisher	Publishing House	**textClass**	Administration	**textSigle**	Corola-publishinghouse/Administrative /904_a_2412	**textType**	Administrative
title	Campanii și strategii de PR	**tokenSource**	drukola#morpho				

Meta Tokens Relations **Campanii și strategii de PR** by Flaviu Călin Rus [Corola-publishinghouse/Administrative/904_a_2412]

To improve: KorAP display

- Splitting words preceded by certain punctuation signs: , : “ (



To improve: KorAP display

- Useful: hovering over a POS tag displays the unabbreviated form of the part of speech
- The morphological information is presented in an unexpected order for a linguist: alphabetic

To improve: KorAP interface

- Need to be localized
- Need to have a more comprehensive manual

Conclusions

- CoRoLa is a valuable resource for Romanian.
- KorAP offers (potential) users the possibility to explore it and benefit from it.
- There is still place for improvement and this will require further collaboration between the DRuKoLA partners.

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- What is **your** experience of working with CoRoLa under KorAP?