# **KDICTIONARIES**

### KD API

K Dictionaries is completing the development of an online API which will provide programmatic access to its rich cross-lingual lexicographic resources for 50 languages.

In addition to the well-formatted XML data, the API outputs developer-friendly JSON-LD, which complies with the familiar RESTful API standard. The JSON-LD encodes RDF linked data, making it highly compatible with complementary open linked linguistic data sets. Users will be authenticated and given access according to their account type.

There is also an editing pipeline in development in which editors, translators and crowdsourced suggestions will use API calls to consolidate suggested changes to K Dictionaries' data and direct them through quality assurance.

The API will be launched in September 2017. Registration is open at api@kdictionaries.com.

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#### Dictionaries cited

- American Heritage Dictionary Online.
  Retrieved 25/05/2017 from http://ahdictionary.com/
- Clave: diccionario de uso del español actual (online). Retrieved 25/05/2017 from http://clave.smdiccionarios.com/app.php
- COBUILD Advanced English Dictionary. Retrieved 25/05/2017 from http://collinsdictionary.com/
- Collins English Dictionary. Retrieved 25/05/2017 from http://collinsdictionary.com/
- Duden Online Wörterbuch. Retrieved 25/05/2017 from http://duden.de/woerterbuch
- Merriam Webster Dictionary Online.
  Retrieved 25/05/2017 from http://merriam-webster.com/
- Oxford Living Dictionaries Online. Retrieved 25/05/2017 from https://en.oxforddictionaries.com/
- PONS Deutsch als Fremdsprache Online Wörterbuch. Retrieved 25/05/2017 from http://de.pons.com/
- Real Academia Española, Diccionario de la Lengua Española (DLE). Retrieved 25/05/2017 from http://dle.rae.es

# References

- Abromeit, F., and Fäth, C. 2016. Linking the Tower of Babel: Modelling a Massive Set of Etymological Dictionaries as RDF. In LDL 2016 5th Workshop on Linked Data in Linguistics, 11.
- Bosque-Gil, J., Gracia, J., Montiel-Ponsoda, E., and Aguado-de-Cea, G. 2016. Modelling multilingual lexicographic resources for the Web of Data: The K Dictionaries case. In GLOBALEX 2016 Workshop at LREC 2016, 65.
- Chiarcos, C., and Sukhareva, M. 2014. Linking Etymological Databases. A Case Study in Germanic. In 3rd Workshop on Linked Data in Linguistics: Multilingual Knowledge Resources and Natural Language Processing, 41.
- Declerck, T., and Mörth, K. 2016. Towards a Sense-based Access to Related Online Lexical Resources. In *Proceedings of Euralex* 2016, 342-355.
- Declerck, T., and Wandl-Vogt, E. 2014.

- Cross-linking Austrian dialectal Dictionaries through formalized Meanings. In *Proceedings of Euralex* 2014.
- Declerck, T., and Wandl-Vogt, E. 2015. Towards a Pan European Lexicography by Means of Linked Open. Data. In Proceedings of eLex 2015, 342-355.
- Declerck, T., and Wandl-Vogt, E. 2014. How to semantically relate dialectal Dictionaries in the Linked Data Framework. In 8th Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities LaTeCH 2014, 9-12.
- Del Gratta, R., Frontini, F., Khan, F., and Monachini, M. 2015. Converting the Parole Simple Clips Lexicon into RDF with lemon. *Semantic Web 64*, 387-392.
- El Maarouf, I., Bradbury, J., and Hanks, P. 2014. PDEV-lemon: a Linked Data implementation of the Pattern Dictionary of English Verbs based on the Lemon model. In *Proceedings of Language Resources and Evaluation LREC*.
- Fonseca, A., Sadat, F., and Lareau, F. 2016. Lexfom: a lexical functions ontology model. In *COLING* 2016, 145.
- Gracia, J., Villegas, M., Gómez-Pérez, A., and Bel, N. 2016. The Apertium Bilingual Dictionaries on the Web of Data. Semantic Web Journal.
- Khalfi, M., Nahli, O., and Zarghili, A. 2016. Classical dictionary Al-Qamus in lemon. In Information Science and Technology CiSt., 2016 4th IEEE International Colloquium, 325–330.
- Khan, F., Díaz-Vera, J. E., and Monachini, M. 2016. Representing Polysemy and Diachronic Lexico-semantic Data on the Semantic Web. In Proceedings of the Second International Workshop on Semantic Web for Scientific Heritage co-located with 13th Extended Semantic Web Conference ESWC 2016., Heraklion, Greece, 37-46.
- Klimek, B., and Brümmer, M. 2015. Enhancing lexicography with semantic language databases. *Kernerman Dictionary News* 23, 5-10.
- McCrae, J., Fellbaum, C., and Cimiano, P. 2014. Publishing and Linking WordNet using lemon and RDF. In 3rd Workshop on Linked Data in Linguistics.
- Parvizi, A., Kohl, M., González, M., and Saurí, R. 2016. Towards a Linguistic Ontology with an Emphasis on Reasoning and Knowledge Reuse. In Proceedings of Language Resources and Evaluation LREC.
- Villegas, M., and Bel, N. 2013. PAROLE/ SIMPLE "Lemon" ontology and lexicons. Semantic Web Journal II.