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#### International peer-reviewed journals

- [1] Iana Atanassova, Marc Bertin, and Mariannig Le Béchec. "Sécuriser le traitement des traces numériques dans le cadre du Règlement général sur la protection des données (RGPD): anonymisation et pseudonymisation". In: *I2D Information, données & documents* (2019), pp. 55–58. ISSN: 2428-2111.
- [2] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial: Mining Scientific Papers: NLP-enhanced Bibliometrics". In: *Frontiers in Research Metrics and Analytics* 4 (Apr. 30, 2019). Ed. by Chaomei Chen, p. 2. ISSN: 2504-0537. DOI: 10.3389/frma.2019.00002.
- [3] Marc Bertin and Iana Atanassova. "The context of multiple in-text references and their signification". In: *International Journal on Digital Libraries* (July 2017). ISSN: 1432-1300. DOI: 10.1007/s00799-017-0225-7.
- [4] Iana Atanassova and Marc Bertin. "Temporal Properties of Recurring In-text References". In: *D-Lib Magazine* 9/10.22 (2016). ISSN: 1082-9873. DOI: 10.1045/september2016-atanassova.
- [5] Iana Atanassova, Marc Bertin, and Vincent Larivière. "On the composition of scientific abstracts". In: *Journal of Documentation* 72.4 (2016), pp. 636–647. ISSN: 0022-0418. DOI: 10.1108/JDOC-09-2015-0111.
- [6] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The Invariant Distribution of References in Scientific Articles". In: *Journal of the Association for Information Science and Technology (JASIST)* 67.1 (2016), pp. 164–177. ISSN: 2330-1643. DOI: 10.1002/asi.23367.
- [7] Marc Bertin, Iana Atanassova, Cassidy R. Sugimoto, and Vincent Lariviere. "The Linguistic Patterns and Rhetorical Structure of Citation Context: an approach using n-grams." In: *Scientometrics* 3.109 (2016), pp. 1417–1434. ISSN: 0138-9130. DOI: 10.1007/s11192-016-2134-8.
- [8] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "Cartographie linguistique des références citées". In: *Découvrir, le magazine de l'Association Francophone pour le savoir (ACFAS)* (2015).
- [9] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "Mapping the Linguistic Context of Citations". In: *Bulletin of the Association for Information Science and Technology (ASIST) Featuring the "The Future of Science Mapping"* 41.2 (Jan. 2015). ISSN: 2373-9223. DOI: 10.1002/bult.2015.1720410208.
- [10] Marc Bertin and Iana Atanassova. "Semantic Enrichment of Scientific Publications and Metadata: Citation Analysis Through Contextual and Cognitive Analysis". In: *D-Lib Magazine* 18.7/8 (July 2012). ISSN: 1082-9873. DOI: doi:10.1045/july2012-bertin.

## Book chapters

- [11] Iana Atanassova and Marc Bertin. "Semantic Web Evaluation Challenge: SemWebEval 2014 at ESWC 2014". In: *Communications in Computer and Information Science*. Ed. by Valentina Presutti et al. Springer, May 2014. Chap. Semantic Facets for Scientific Information Retrieval, pp. 108–113. ISBN: 978-3-319-12024-9.
- [12] Marc Bertin and Iana Atanassova. "Semantic Web Evaluation Challenge: SemWebEval 2014 at ESWC 2014". In: *Communications in Computer and Information Science*. Ed. by Valentina Presutti et al. Springer, May 2014. Chap. Extraction and Characterization of Citations in Scientific Papers, pp. 120–128. ISBN: 978-3-319-12024-9.
- [13] Jean-Pierre Desclés, Florence Le Priol, Motasem Alrahabi, Iana Atanassova, and Marc Bertin. "Fouille sémantique des thèses en ligne". In: *Traitement automatique des langues naturelles: de l'analyse à l'application (Cognition et traitement de l'information). Recherche Technologie Applications (RTA).* Ed. by Ismaïl Biskri and Adel Jebali. Cognition et traitement de l'information. Hermes Science Publications, 2011, pp. 77–108. ISBN: 9782746231382.

## Editor of special issues of journals

- [14] "Mining Scientific Papers Volume II: Knowledge Discovery and Data Exploitation". In: Frontiers in Research Metrics and Analytics. Ed. by Iana Atanassova, Marc Bertin, and Philipp Mayr. 2020.
- [15] "Mining Scientific Papers: NLP-enhanced Bibliometrics". In: Frontiers in Research Metrics and Analytics. Ed. by Iana Atanassova, Marc Bertin, and Philipp Mayr. Apr. 30, 2019. DOI: 10.3389/frma.2019.00002.

# Editor of conference proceedings

- [16] Iana Atanassova, Marc Bertin, and Philipp Mayr, eds. *Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2017).* Vol. 2004. ISSN: 1613-0073. Wuhan, China, Oct. 2017, pp. 1–48.
- [17] Iana Atanassova, Wajdi Zaghouani, Bruno Kragić, Kuldar Aas, Hrvoje Stančić, and Sanja Seljan, eds. INFuture2017 Integrating ICT in Society. ISSN: 1847-8220. Department of Information and Communication Sciences, Faculty of Humanities and Social Sciences, University of Zagreb and The Miroslav Krleža Institute of Lexicography. Zagreb, Croatia, Nov. 2017.
- [18] Iana Atanassova, Marc Bertin, and Philipp Mayr, eds. *First Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2015).* Vol. 1384. ISSN: 1613-0073. Istanbul, Turkey, June 2015, pp. 1–49.
- [19] Jovan Kostov, Izabella Thomas, and Iana Atanassova, eds. *Atelier "Traitement Automatique des Langues Slaves" (TASLA).* 22<sup>e</sup> Conférence sur le Traitement Automatique des Langues Naturelles (TALN 2015). Caen, June 22, 2015.

#### Keynote talks

[20] Iana Atanassova. "Beyond Metadata: the New Challenges in Mining Scientific Papers (Keynote talk)". In: 8<sup>th</sup> International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2019) co-located with 41<sup>st</sup> European Conference on Information Retrieval (ECIR 2019). Cologne, Germany, Apr. 2019.

[21] Iana Atanassova. "Information retrieval and semantic annotation of scientific corpora (Keynote speech)". In: 6<sup>th</sup> International Conference The Future of Information Sciences (INFuture) - Integrating ICT in Society. Department of Information and Communication Sciences Faculty of Humanities and Social Sciences, University of Zagreb and The Miroslav Krleža Institute of Lexicography. Zagreb, Croatia, Nov. 2017.

## International conferences and workshops

- [22] Marc Bertin and Iana Atanassova. "The Place of Preprint Citations in the IMRaD Structure: a Study of PLOS Journals". In: 18<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2021). Leuven, Belgium, 2021.
- [23] Iana Atanassova, Gan Jin, Ibrahim Soumana, Peter Greenfield, and Sylviane Cardey-Greenfield. "Semantically-driven Competitive Intelligence Information Extraction: linguistic model and application". In: *The Eleventh International Conference on Creative Content Technologies (CONTENT 2019).* Venice, Italy, 2019.
- [24] Marc Bertin, Pierre Jonin, Frederic Armetta, and Iana Atanassova. "Determining Citation Blocks using End-to-end Neural Coreference Resolution Model". In: 17<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2019). Rome, Italie, Sept. 2019.
- [25] Marc Bertin, Pierre Jonin, Frédéric Armetta, and Iana Atanassova. "Identifying the Conceptual Space of Citation Contexts using Coreferences". In: 4<sup>th</sup> Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2019) at the 42<sup>nd</sup> International ACM SIGIR Conference). Ed. by Muthu Kumar Chandrasekaran and Philipp Mayr. Vol. Vol-2414. Paris, France, July 2019, pp. 138–144.
- [26] Julien Perier-Camby, Marc Bertin, Iana Atanassova, and Frédéric Armetta. "A preliminary study to compare deep learning with rule-based approaches for citation classification". In: 8<sup>th</sup> International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2019) co-located with the 41<sup>st</sup> European Conference on Information Retrieval (ECIR 2019). Vol. 2345. Cologne, Germany, Apr. 2019, pp. 125–131.
- [27] Iana Atanassova, François-C. Rey, and Marc Bertin. "Studying Uncertainty in Science: a distributional analysis through the IMRaD structure". In: 7<sup>th</sup> International Workshop on Mining Scientific Publications (WOSP 2018) at 11<sup>th</sup> edition of the Language Resources and Evaluation Conference (LREC 2018). Miyazaki, Japan, May 2018.
- [28] Marc Bertin and Iana Atanassova. "InTeReC: In-text Reference Corpus for Applying Natural Language Processing to Bibliometrics". In: 7<sup>th</sup> International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2018) in conjunction with the 40<sup>th</sup> European Conference on Information Retrieval (ECIR 2018). Grenoble, France, Mar. 2018.
- [29] Marc Bertin and Iana Atanassova. "Recommending Scientific Papers: The Role of Citation Contexts". In: 1st International Conference on Digital Tools & Uses Congress. Paris, France: ACM, Oct. 2018, pp. 1–4. DOI: 10.1145/3240117.3240123.
- [30] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial for the Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2017)". In: Second Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics co-located with 16<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2017). Wuhan, China, Oct. 2017.

- [31] Marc Bertin and Iana Atanassova. "K-means and Hierarchical Clustering Method to Improve our Understanding of Citation Contexts". In: *Proceedings of the 2<sup>nd</sup> Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2017) co-located with the 40<sup>th</sup> International ACM SIGIR Conference. Vol. 1888. Tokyo, Japan, Aug. 2017, pp. 107–112.*
- [32] Iana Atanassova, Marc Bertin, Sylviane Cardey, and Peter Greenfield. "Interfacing the Domain of Global Security with Natural Language Processing: the Role of Language Modelling". In: *The Tenth International Conference on Natural Language Processing (HrTAL 2016)*. Vol. 42. Suvremena lingvistika 82. Dubrovnik, Croatia, Sept. 2016, pp. 249–252.
- [33] Marc Bertin and Iana Atanassova. "Multiple In-text Reference Phenomenon". In: Workshop on Bibliometric-enhanced Information Retrieval and NLP for Digital Libraries (BIRNDL 2016) co-located with the Joint Conference on Digital Libraries (JCDL 2016). Vol. 19. 2-3. Newark, NJ, United States, June 2016, pp. 14–22.
- [34] Marc Bertin and Iana Atanassova. "Weak Links and Strong Meaning: The Complex Phenomenon of Negational Citations". In: *Bibliometric-enhanced Information Retrieval (BIR 2016) co-located with the 38<sup>th</sup> European Conference on Information Retrieval (ECIR 2016)*. Ed. by Philipp Mayr, Ingo Frommholz, and Guillaume Cabanac. Vol. Vol-1567. Padova, Italy: CEUR Workshop Proceedings, Mar. 2016, pp. 14–25.
- [35] Youcef Ihab Morsi, Yves Bordet, and Iana Atanassova. "Étude lexicale de textes arabes pour l'évaluation automatique de la complexité textuelle". In: 7<sup>e</sup> Colloque International en Traductologie et TAL (TRADETAL 2016). Oran, Algeria, May 2016.
- [36] François-C. Rey, Izabella Thomas, and Iana Atanassova. "Génération d'exercices d'apprentissage de langue de spécialité par l'exploration du corpus". In: *Atelier Enseignement des langues et TAL (ELTAL)*. Vol. 9. Actes de la conférence conjointe JEP-TALN-RECITAL 2016. Inalco. Paris, France, July 2016.
- [37] Iana Atanassova, Marc Bertin, and Tomi Kauppinen. "Exploitation de données spatiales provenant d'articles scientifiques pour le suivi des maladies tropicales". In: Gestion et Analyse des données Spatiales et Temporelles (GAST'2015), 15<sup>e</sup> conférence internationale sur l'extraction et la gestion des connaissances (EGC 2015). Ed. by Thomas Guyet and Éric Kergosien. Luxembourg, Jan. 2015, pp. 21–32.
- [38] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Editorial for the First Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics (CLBib 2015)". In: First Workshop on Mining Scientific Papers: Computational Linguistics and Bibliometrics co-located with 15<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2015). Vol. Vol-1384. Istanbul, Turkey, June 2015, pp. 1–4.
- [39] Iana Atanassova, Marc Bertin, and Philipp Mayr. "Mining Scientific Papers for Bibliometrics: a (very) Brief Survey of Methods and Tools". In: 15<sup>th</sup> International Society of Scientometrics and Informetrics Conference (ISSI 2015). Istanbul, Turkey, June 2015.
- [40] Marc Bertin and Iana Atanassova. "Characterizing In-text Citations using N-gram Distributions". In: 15<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2015). Ed. by Albert Ali Salah et al. Istanbul, Turkey, June 2015.
- [41] Marc Bertin and Iana Atanassova. "Factorial correspondence analysis applied to citation contexts". In: *Conference:* 2<sup>nd</sup> *International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2015) at the 37<sup>th</sup> European Conference on Information Retrieval (ECIR 2015).* Vol. 1344. Vienne, Austria, Mar. 2015, pp. 22–29.

- [42] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The Linguistic Context of Citations: a Cartography of the Structure of Scientific Papers". In: American Association for the Advancement of Science (AAAS) Annual Meeting Innovations, Information, and Imaging. San Jose, California, United States, Feb. 2015.
- [43] Izabella Thomas and Iana Atanassova. "Towards the Enrichment of Terminological Resources by Scientific Corpora Analysis". In: *Electronic lexicography in the 21<sup>th</sup> century Conference: Linking lexical data in the digital age (eLex 2015).* United Kingdom, 2015.
- [44] Iana Atanassova and Marc Bertin. "Faceted Semantic Search for Scientic Papers". In: Semantic Publishing Challenge co-located with 11<sup>th</sup> European Semantic Web Conference (ESWC 2014). Anissaras, Greece, May 2014.
- [45] Marc Bertin and Iana Atanassova. "A study of lexical distribution in citation contexts through the IMRaD standard". In: *Proceedings of the 1st Workshop on Bibliometric-enhanced Information Retrieval (BIR 2014) co-located with 36th European Conference on Information Retrieval (ECIR 2014).* Vol. 1143. Amsterdam, Netherlands, Apr. 2014, pp. 5–12.
- [46] Marc Bertin and Iana Atanassova. "Hybrid Approach for the Semantic Processing of Scientic Papers". In: *Semantic Publishing Challenge co-located with 11<sup>th</sup> European Semantic Web Conference (ESWC 2014)*. Anissaras, Crete, Greece, May 2014.
- [47] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The distribution of references in scientific papers: An analysis of the IMRaD structure". In: 14<sup>th</sup> International Conference of the International Society for Scientometrics and Informetrics (ISSI 2013). Vol. 1. Vienne, Austria, July 2013, pp. 591–603.
- [48] Iana Atanassova, Marc Bertin, and Jean-Pierre Desclés. "Ordonnancement des réponses pour une recherche d'information sémantique à partir d'une ontologie discursive". In: Quatrième Atelier Recherche d'Information SEmantique (RISE 2012) co-located with 12<sup>e</sup> Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances (EGC 2012). Ed. by Roussey Catherine and Chevallet Jean-Pierre. Bordeaux, France, Jan. 2012.
- [49] Marc Bertin and Iana Atanassova. "Semantic Enrichment of Scientific Publications and Metadata". In: 1<sup>st</sup> International Workshop on Mining Scientific Publications (WOSP 2012) co-located with ACM/IEEE Joint Conference on Digital Libraries (JCDL 2012). Petr Knoth and Zdenek Zdrahal and Andreas Juffinger. Washington DC, United States, June 2012.
- [50] Marc Bertin, Iana Atanassova, and Jean-Pierre Desclés. "Outils de fouille textuelle à partir d'annotations sémantiques. Démonstration de logiciels". In: 12<sup>e</sup> Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances (EGC 2012). Bordeaux, France, Jan. 2012.
- [51] Marc Bertin, Iana Atanassova, and Jean-Pierre Desclés. "Automatic analysis of author judgment in scientific articles based on semantic annotation". In: *The 22<sup>nd</sup> International Florida Artificial Intelligence Research Society Conference, (FLAIRS 2009).* Sanibel Island, Florida, United States: AAAI Press, May 2009.
- [52] Marc Bertin, Iana Atanassova, and Jean-Pierre Desclés. "Extraction of Authors' Definitions using Indexed Reference Identification". In: *Proceedings of the 1<sup>st</sup> Workshop on Definition Extraction co-located with Recent Advances in Natural Language Processing (RANLP 2009).* Borovets, Bulgaria, Sept. 2009.

- [53] Iana Atanassova, Antoine Blais, and Jean-Pierre Desclés. "A Cross-lingual Approach to the Discourse Automatic Annotation: Application to French and Bulgarian". In: *The* 21<sup>st</sup> International International Florida Artificial Intelligence Research Society Conference (FLAIRS 2008). Coconut Grove, Florida, USA: AAAI Press, May 2008.
- [54] Antoine Blais, Iana Atanassova, Jean-Pierre Desclés, Leila Zighem, and Mimi Zhang. "Discourse Automatic Annotation of Texts: an Application to Summarization". In: *The 20<sup>th</sup> International Florida Artificial Intelligence Research Society Conference (FLAIRS 2007).* Key West, Florida, USA: AAAI Press, May 2007.

### National conferences and workshops

- [55] Youcef Ihab Morsi and Iana Atanassova. "Analyse morphosyntaxique de l'arabe par une approche linguistique". In: *Terminology & Ontology: Théories and applications (TOTh 2019)*. Chambéry, France, June 2019.
- [56] François-C. Rey, Marc Bertin, and Iana Atanassova. "Une étude de l'incertitude dans les textes scientifiques : vers la construction d'une ontologie". In: *Terminology & Ontology: Theories and applications (TOTh 2018)*. Chambéry, France, June 2018.
- [57] Iana Atanassova, Inés Hatira, Camélia El Cadi, and Sylviane Cardey-Greenfield. "Création d'une langue contrôlée pour les messages en français et en anglais à destination des piétons pour la mobilité urbaine". In: *FUTURMOB-17: Préparer la transition vers la mobilité autonome*. Université Bourgogne Franche-Comté and Université de Technologie de Belfort Montbéliard. Montbéliard, France, Sept. 2017.
- [58] Nicolas Guterhlé, Iana Atanassova, and Sylviane Cardey-Greenfield. "Langue contrôlée pour un système de messages et alertes dans un environnement de mobilité : gestion de l'ambiguïté phonologique". In: *FUTURMOB-17: Préparer la transition vers la mobilité autonome*. Université Bourgogne Franche-Comté and Université de Technologie de Belfort Montbéliard. Montbéliard, France, Sept. 2017.
- [59] Gan Jin, Iana Atanassova, Ibrahim Soumana, and Sylviane Cardey-Greenfield. "Modèle pour un système multilingue d'analyse des opinons et de sentiment". In: *Terminology & Ontology : Théories and applications (TOTh 2017).* University of Savoie. Chambéry, France, June 2017.
- [60] Marc Bertin, lana Atanassova, and Jean-Pierre Desclés. "Quelques applications de fouille textuelle dédiées aux articles scientifiques (démonstration)". In: 23<sup>es</sup> Journées francophones d'ingénierie des connaissances (IC 2012). Paris, France, June 2012.
- [61] Iana Atanassova, Jean-Pierre Desclés, Aurélien Franchi, and Florence Le Priol. "La plateforme EXCOM comme outil automatique d'annotations sémantiques des textes pour la catégorisation des informations sur le Web". In: *Colloque "Internet : besoin de communiquer* autrement", Université St. Clément d'Ohride. Sofia, Bulgarie, Oct. 2008.

#### Communications sans actes

- [62] Jean-Claude Domenget, Sylvain Sagot, and Iana Atanassova. "Concevoir un dispositif innovant pour professionnaliser la formation au référencement web : le projet SEO-ELP". In: Congrès ACFAS. Sherbrooke, Canada, 2020.
- [63] Iana Atanassova. "Fouille textuelle de revues intellectuelles québécoises". In: 83<sup>e</sup> congrès de l'ACFAS (Association francophone pour le savoir), "Une plateforme pour la recherche et l'expérimentation". Rimouski, Canada, 2015.

- [64] Iana Atanassova, Jean-Philippe Warren, and Marc Bertin. "Analyse logométrique des revues québécoises : traitements et visualisations". In: *Colloque: Relire les revues québécoises : histoires, formes et pratiques.* Montréal, Canada, Oct. 2015.
- [65] Marc Bertin and Iana Atanassova. "Fouille textuelle, extraction et catégorisation de contextes de citations pour les articles scientifiques". In: 82<sup>e</sup> Congrès de l'ACFAS (Association francophone pour le savoir), LNISC 2014 Langues Naturelles, Informatique et Sciences Cognitives Colloque 635. Montréal, Canada, May 2014.
- [66] Jean-Pierre Desclés, Florence Le Priol, Motasem Alrahabi, Iana Atanassova, and Marc Bertin. "Fouille sémantique des thèses en ligne : un projet de Paris-Sorbonne". In: 78<sup>e</sup> Congrès de l'ACFAS (Association francophone pour le savoir), "Traitement automatique des langues naturelles, analyses et applications". Montréal, Canada, May 2010.

#### Seminars

- [67] Iana Atanassova. "De l'intuition scientifique au moment de l'illumination : étude de "Théorème vivant" par Cédric Villani". In: *Eurêka ! Le récit savant de découverte et/ou d'invention*. Université de Franche-Comté and Centre de Recherches Interdisciplinaires et Transculturelles C.R.I.T. (EA 3224). Besançon, France, Nov. 2018.
- [68] Iana Atanassova. "What can we learn by processing scientific papers? Looking for the invariants of scientific writing". In: *Seminaire*. Research Group in Computational Linguistics (RGCL), Université de Woverhampton. Royaume Uni, Feb. 20, 2017.
- [69] Iana Atanassova. "Mining Scientific Papers: Structure, Citations, Semantics". In: *Seminaire*. Centre for Science and Technology Studies (CWTS). Leiden, Pays Bas, Oct. 14, 2016.

#### Dissemination of scientific information

- [70] Iana Atanassova. "TDM Stories: The Structure of Papers". In: *OpenMidTed Communications*. 2016. URL: http://openminted.eu/tdm-stories-structure-papers/.
- [71] Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. "The Linguistic Context of Citations". In: 10<sup>th</sup> Iteration (2014): The Future of Science Mapping," Places & Spaces: Mapping Science. Katy Börner and Samuel Mills. Indiana, United States, 2014. URL: http://scimaps.org/mapdetail/the\_linguistic\_conte\_177.

#### Datasets

[72] Marc Bertin and Iana Atanassova. InTeReC: In-text Reference Corpus - Single References Dataset (Version 1.0.0) [Data set]. 2018. DOI: 10.5281/zenodo.1203737.