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RESEARCH OUTPUT

PEER-REVIEWED PUBLICATIONS

Boo G, Leyk S, Fabrikant SI, Pospischil A, and Graf R, 2017. Assessing effects of structural zeros on models of canine cancer incidence: a case study of the Swiss Canine Cancer Registry. Geospatial Health 12(1), 121–129. &

Grüntzig K, Graf R, **Boo G**, Guscetti F, Hässig M, Axhausen KW, Fabrikant SI, Welle M, Meier D, Folkers G, and Pospischil A, 2016. Swiss Canine Cancer Registry 1955–2008: Occurrence of the Most Common Tumour Diagnoses and Influence of Age, Breed, Body Size, Sex and Neutering Status on Tumour Development. Journal of Comparative Pathology 155(2–4), 156–170. &

Graf R, Grüntzig K, **Boo G**, Guscetti F, Hässig M, Axhausen KW, Fabrikant SI, Welle M, Meier D, Folkers G, and Pospischil A, 2015. Swiss Feline Cancer Registry 1965-2008: The Influence of Sex, Breed and Age on Tumour Types and Tumour Locations. Journal of Comparative Pathology 153(4), 266–277. &

Grüntzig K, Graf R, Hässig M, Welle M, Meier D, Lott D, Erni D, Schenker NS, Guscetti F, **Boo G**, Axhausen KW, Fabrikant SI, Folkers G, and Pospischil A, 2015. The Swiss Canine Cancer Registry: A Retrospective Study on the Occurrence of Tumours in Dogs in Switzerland from 1955 to 2008. Journal of Comparative Pathology 154(2–3), 161–171. &

Pospischil A, Grüntzig K, Graf R, **Boo G**, Hässig M, and Welle M. 2015. Krebsregister für Hunde und Katzen in der Schweiz (1955-2008). Pneumologie 69(6), 5–10. &

PEER-REVIEWED CONFERENCE PROCEEDINGS

Boo G, Leyk S, Fabrikant SI, and Pospischil A, 2016. A Regional Approach for Modeling Dog Cancer Incidences with Regard to Different Reporting Practices. Ninth International Conference on GIScience – Short Paper Proceedings, Montreal, Canada, 29–33. &

Egorova E, **Boo G**, and Purves RS, 2016. "The Ridge Went North": Did the Observer Go as Well? Corpus-driven Investigation of Fictive Motion. Ninth International Conference on GIScience – Short Paper Proceedings, Montreal, Canada, 96–100. &

Boo G, Fabrikant SI, and Leyk S, 2015. A Novel Approach to Veterinary Spatial Epidemiology: Dasymetric Refinement of the Swiss Dog Tumor Registry Data. ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences II–3/W5, 263–269. &

Pospischil A, Grüntzig K, Graf R, **Boo G**, Folkers G, Otto V, and Fabrikant SI, 2015. One Medicine–One Oncology – Incidence and Geographical Distribution of Tumors in Dogs and Cats in Switzerland from 1955-2008. GRF One Health Summit 2015 – Conference Proceedings, Davos, Switzerland, 108–111. &

CONTRIBUTIONS TO BOOKS

Pospischil A, Graf R, Grüntzig R, and **Boo G**, 2016. Spontaneous Animal Tumor Models. In: Schubiger PA, and Martic-Kehl MI (Eds). Animal Models for Human Cancer: Discovery and Development of Novel Therapeutics, Methods and Principles. John Wiley & Sons, Hoboken (NJ), USA, 129-152. &

CONTRIBUTIONS TO INTERNATIONAL CONFERENCES

Oral presentations

Hässig M, Depka D, and **Boo G**. Spatial Differences in the Prevalence of Diseases in a Veterinary Practice. The World Buiatrics Congress 2016, Dublin, Ireland [Jul 2016]

Boo G. Spatial Distribution of Dog Cancer in Switzerland: A Case Study of Skin Tumors During the Period 2008–2013. One Medicine – One Oncology: Animal Cancer Registry Symposium, Zurich, Switzerland [Jun 2016]

Boo G, Fabrikant SI, and Leyk S. An Innovative Approach to Spatial Epidemiology: Dasymetric Refinement of Disease Location Data. Spatial Information for Human Health (SPATIAL 2015), Santa Barbara (CA), USA [Dec 2015]

Pospischil A, Grüntzig K, Graf R, and **Boo G**. One Medicine–One Oncology – Incidence and Geographical Distribution of Tumors in Dogs and Cats in Switzerland from 1955-2008. GRF One Health Summit 2015, Davos, Switzerland [Oct 2016]

Boo G, Fabrikant SI, and Leyk S. A Novel Approach to Veterinary Spatial Epidemiology: Dasymetric Refinement of the Swiss Dog Tumor Registry Data. ISSDQ's Geospatial Week 2015, La Grand-Motte, France [Oct 2015]

Poster presentations

Boo G, Leyk S, Brunsdon C, Fabrikant SI, and Pospischil A. Spatial Non-Stationarity and Geographic Scale in Models of Canine Cancer Incidence. 10th International Conference on Geographical Aspects of Public Health – GEOMED, Porto, Portugal [Sep 2017]

Boo G, Leyk S, Fabrikant SI, and Pospischil A. Exploring Spatial Non-Stationarity Through Regional Modelling. 9th International Conference on GIScience, Montreal, Canada [Sep 2016] `Best Poster Award`

Boo G, Leyk S, Fabrikant SI, and Pospischil A. An innovative geographical approach to spatial epidemiology: dasymetric refinement of dog tumor incidence location data in Switzerland. 9th International Conference on Geographical Aspects of Public Health – GEOMED, Florence, Italy [Sep 2015] `Best Poster Award`

OUTREACH ACTIVITIES

Publications in magazines

Boo G, Leyk S, and Fabrikant SI, 2016. Dasymetric Mapping for an Improved Modeling of Diseases. Geomatik Schweiz/Géomatique Suisse, Sonderheft International Map Year 115, 100–101.

Individual presentations

Boo G. Exploring spatial non-stationarity through regional scale models. Graduate School in Geography Yearly Retreat, Aarau, Switzerland [Nov 2016]

Boo G. Comparative Research of Human and Canine Cancers. Swiss Human Cancer Registries Annual Meeting, Aarau, Switzerland [Jun 2016]

Boo G. Space-Time Analysis of Tumor Incidences: Companion Animals as Public Health Sentinels. Collegium

Helveticum Research Day 2015, Collegium Helveticum, Zurich, Switzerland [Apr 2015]

Boo G. Spatial Analysis of Dog Tumor Incidence: Companion Animals as Public Health Sentinels. COGIT – Laboratory of the French National Mapping Agency, Paris, France [Jan 2015]

Poster presentations

Graf R, Grüntzig K, ***Boo G***, Welle M, Meier D, Lott G, Erni D, Schenker NS, Hässig M, Axhausen KW, Fabrikant SI, and Pospischil A. One Medicine–One Oncology – Incidence and Geographic Distribution of Tumors in Dogs and Cats in Switzerland 1955-2008. Collegium Helveticum Research Day 2014, Collegium Helveticum, Zurich, Switzerland [Jul 2014]

OTHER ARTEFACTS

Data management

Boo G, Graf R, and Grüntzig K. Geocoding and consolidation of the Swiss Canine Cancer Registry (SCCR) and the Swiss Feline Cancer Registry (SFCR), Collegium Helveticum Zurich, Switzerland [Jan 2014 – Dec 2016]

SUBMITTED PUBLICATIONS

Boo G, Leyk S, Brunsdon C, Graf R, Pospischil A, and Fabrikant SI. Spatial non-stationarity and geographic scale in models of canine cancer incidences. Frontiers in Veterinary Science [Jul 2017 – *submitted*]

Boo G, Leyk S, Fabrikant SI, Graf R, and Pospischil A. Assessing uncertainty in canine cancer data sources through dasymetric refinement. Applied Geography [Jun 2017 – *submitted*]