

PUBLICATIONS LIST

ALEXANDRE SOROKINE

REVIEWED JOURNAL ARTICLES

- [1] Alexandre Sorokine, Thomas Bittner, and Chris Renschler. Ontological investigation of ecosystem hierarchies and formal theory for multiscale ecosystem classifications. *Geoinformatica*, 2005. forthcoming.
- [2] Alexandre Sorokine. Mereotopological integrity constraints in spatial databases. *Middle States Geographer*, 36:122–127, 2003.
- [3] Boris V Vinogradov, K N Kulik, Alexandre Sorokine, and P B Fedotov. Isodynamic mapping and long-term monitoring of desertification and degradation of lands using nonlinear methods of modeling. *Eurasian Soil Science*, 32(4):449–458, April 1999.
- [4] Irina A Merzlyakova, Alexandre D Sorokine, and Alexei E Karimov. Spatial data on the internet: from a simple tool to the global spatial data infrastructure. *GIS-Obozrenie*, (1):38–43, 1999. (in Russian).
- [5] Boris V Vinogradov, K N Kulik, Alexandre Sorokine, and P B Fedotov. Mapping of ecologically unfavorable zones with the use of dynamic criteria. *Russian Journal of Ecology*, 29(4):209–216, 1998. Russian edition: *Ekologiya* 1998, N 4, pp. 243–251.
- [6] Boris V Vinogradov, N K Kulik, Alexandre D Sorokine, and Pavel B Fedotov. Isodynamic mapping of the areas of environmental hazard using series of aerial and space images. *Transactions (Doklady) of the Russian Academy of Sciences, Biological Series*, 350(4):560–564, 1996. in Russian.
- [7] Alexandre D Sorokine and Irina A Merzliakova. Problems of spatial data transfer: foreign and domestic experience. *GIS-obozrenie*, (Summer):32–39, 1996. in Russian.
- [8] Alexander V Koshkarev, Yuri G Puzachenko, N N Klyuev, A V Markelov, Irina A Merzliakova, Ya N Mineeva, and Alexandre D Sorokine. Development of methodology of management in emergent situations basing on standard geographic information systems (GIS of regional and local scale) supporting decision making to prevent and localize consequences of natural and technogenic disasters. In *Itogi Nauki, "Problems of Safety"*. 1996. (in Russian).
- [9] Boris V Vinogradov, Alexandre Sorokine, and Pavel B Fedotov. Mapping of the climatic aridity of Kalmykia. In *Biota and Natural Environment of Kalmykia*, pages 253–258. 1995. (in Russian).
- [10] Alexander V Koshkarev and Alexandre Sorokine. File formats and standards of spatial digital information. *GIS-obozrenie*, (spring):40–45, 1995. (in Russian).
- [11] Alexei E Karimov and Alexandre Sorokine. Landscape information systems in cultural landscape protection in Germany. In *International experience in protection of natural and historic heritage*. Institute of cultural and natural heritage, Moscow, 1994. In Russian.
- [12] Yuri G Puzachenko, S G Priklonsky, Alexandre Sorokine Ia V Sapetin, and V S Kudriashov. Database of environmental events in natural reserves and examples of its use in Oksky biosphere reserve. In *Theory and practice of nature conservation*, pages 141–174. 1993. (In Russian).
- [13] Alexander K Borunov, Yuri G Puzachenko, Alexander V Koshkarev, Vladimir I Juravlev, and Alexandre Sorokine. Geoinformation for prevention and mitigation of accident consequences. In *Safety problems in emergencies*, number 9, pages 55–92. VINITI, 1993. in Russian.

- [14] Alexander K Borunov, Yuri G Puzachenko, Alexandre Sorokine, Elena D Akimova, and M V Kuleshova. Cartographic basis of a geographical information system created for preventing of disaster situations. *Transactions (Doklady) of the Russian Academy of Sciences, Geographical Series*, 1 5:90–96, 1993. In Russian.

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- [15] Alexandre Sorokine and Thomas Bittner. Understanding taxonomies of ecosystems: a case study. In Peter F Fisher, editor, *Developments in Spatial Data Handling (Proceedings of Spatial Data Handling 2004)*, pages 559–572. Springer, 2005. (in press).
- [16] Alexandre Sorokine, Thomas Bittner, and Chris Renschler. Ontological investigation of ecosystem hierarchies and formal theory for multiscale ecosystem classifications. In *GIScience 2004*, 2004.
- [17] Alexandre Sorokine. Multi-scale spatial data models for decision-making and environmental modeling. In *UCGIS Summer Assembly*, Monterey, CA, 6 2003. University Consortium of Geographic Information Science.
- [18] Gregory Nowacki and Alexandre Sorokine. The limitations of applying single-resource taxonomies to ecological partonomies. In Randy Davis and Curtis Talbot (co chairs), editors, *National Cooperative Soil Survey Conference Proceedings, Committee 2: Ecological Interpretations and Principles*, pages 17–18, Plymouth, MA, June 2003. USDA, National Resources Conservation Service, Supplement Report.
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- [21] Irina Merzlyakova and Alexandre Sorokine. Land-use changes in Pamiro-Alai (1949 – 1991). In *IGU-LUCC'99 Open International Symposium on Land Use/Cover Change*, Honolulu, HI, USA, July 1999. University of Hawaii. in press.
- [22] Alexandre Sorokine and Irina Merzliakova. Interactive map applet for illustrative purposes. In *Proceedings of the sixth ACM international symposium on Advances in geographic information systems*, pages 46–51. ACM Press, 1998.
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- [26] T Yu Minaeva, S Shaposhnikov, and A Sorokine. Experience in using of [forest] stand valuation survey reports for vegetation survey and monitoring in large territories in Russia. In *37th symposium of International Association of Vegetation Sciences*, Bailleul, France, 1994. International Association of Vegetation Sciences.
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- [29] A Karimov and A Sorokine. Study of land use history in Tver region (using database technology). In *XXXIV conference of young specialists on the history of natural sciences and technology*, Moscow, 1991. Institute for History of Science and Technology. (In Russian).
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- [39] E Shedova and A Sorokine. GIS on the internet. *Bulletin of GIS-Association*, (2(4)):35, 1996. (in Russian).
- [40] S Miller and A Sorokine. How to choose GIS software and hardware. *Kompjuterria*, (4):32–35, July 1996. in Russian.
- [41] S Miller and A Sorokine. Classification and main functions of GIS software. In *GIS-Yearbook 95 (Russia)*, pages 141–150. Russian GIS-Association, 1996. (in Russian).
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- [42] Alexandre Sorokine. Multi-scale spatial data models for decision making and environmental modeling. In *Annual Meeting*, Philadelphia, PA, 3 2004. Association of American Geographers.
- [43] Alexandre Sorokine. Multiscale spatial databases for environmental modeling. In *Annual Meeting*, New Orleans, LA, 3 2003. Association of American Geographers.
- [44] Alexandre Sorokine. The role of space in quasi-spatial networks. In *Annual Meeting*, Los-Angeles, CA, 3 2002. Association of American Geographers.

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- [45] Ling Bian and Alexandre Sorokine. An individual-based spatially explicit epidemiological model of infectious diseases. In *in press*, Berkeley, CA, May 2002. Department of Environmental Sciences, Policy and Management, UC Berkeley.
- [46] Alexandre Sorokine. Geographic interfaces for component-based environmental models. In *UCGIS Summer Assembly*, Buffalo, NY, 6 2001. University Consortium of Geographic Information Science.
- [47] Ling Bian and Alexandre Sorokine. Individual-based and spatially explicit epidemiology modeling. In *Annual meeting, Southeastern Division of Association of American Geographers*, Lexington, KY, November 2001.

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