



Books Conferences News About Us Job: Home Journals Home > Journal > Earth & Environmental Sciences > NR Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues NR> Vol.3 No.3, September 2012 • Special Issues Guideline OPEN ACCESS Interpretation of Trends in Land Transformations—A Case of Green NR Subscription Heart Region (The Netherlands) Most popular papers in NR PDF (Size: 1510KB) PP. 107-117 DOI: 10.4236/nr.2012.33015 Author(s) About NR News Shahab Fazal, Stan C. M. Geertman, Fred J. Toppen Frequently Asked Questions **ABSTRACT** The sprawl-versus-containment debate relates to many different aspects of the broad concept of Recommend to Peers sustainability, and as such the answers found by research are rarely decisive, compact cities have advantages in some respects, but disadvantages in others. The present study focuses on the patterns of urbanization process in Netherlands as a whole and within the "Green Heart" in particular. The present Recommend to Library study finds over the last decades, the Green Heart is under attack from suburbanization of larger and smaller settlements as several political concessions have been made to local development needs. The Contact Us Green Heart is also affected by the construction of new roads and railway lines. This infrastructure is built for tangential transport of an increasing volume of commuters. The spatial policies for preserving green Downloads: 62,644 spaces suffer from a dilemma between two contradicting functions of green space in a regional context: to be a separator of urban and rural areas and to be an integrator towards the Regional City of " Green Visits: 185,056 Metropolis". **KEYWORDS** Sponsors, Associates, ai Green Heart; Land Use; Land Transformation; Spatial Planning Links >> Cite this paper S. Fazal, S. Geertman and F. Toppen, "Interpretation of Trends in Land Transformations—A Case of Green Heart Region (The Netherlands)," Natural Resources, Vol. 3 No. 3, 2012, pp. 107-117. doi: 10.4236/nr.2012.33015.

References

- [1] C. R. Bryant, L. H. Russwurm and A. G. McLellan, "The City's Countryside: Land and Its Management in the Rural-Urban Fringe," Longman, London, 1982.
- [2] E. Burgess, "The Growth of the City," In: R. Park and E. Burgess, Eds., The City, University of Chicago Press, Chicago, 1925, pp. 47-62.
- [3] P. Mann, " An Approach to Urban Sociology," Routledge, London, 1965.
- [4] M. Pacione, "Urban Geography: A Global Perspective," Routledge, London, 2001 doi:10.4324/9780203454626
- [5] D. Stanners and P. Bourdeau, "Europe' s Environment: The Dobrís Assessment," Office for Official Publications of the European Communities, Luxembourg, 1995.
- [6] M. Herold, K. C. Clarke and J. Scepan, "Remote Sensing and Landscape Metrics to Describe Structures and Changes in Urban Land Use," Environment and Planning A, 34, 8, 2002, 1443-1458. doi:10.1068/a3496
- [7] J. H. Huang, et al., " A Global Comparative Analysis of Urban Form: Applying Spatial Metrics and Remote Sensing," Landscape and Urban Planning, 82, 4, 2007, 184-197. doi:10.1016/j.landurbplan.2007.02.010
- [8] A. Frenkel and M. Ashkenazi, "Measuring Urban Sprawl: How Can We Deal with It?" Environment and Planning B: Planning and Design, 35, 1, 2008, 56-79. doi:10.1068/b32155

- [9] M. Kasanko, J. I. Barredo, C. Lavalle, N. McCormick, L. Demicheli, V. Sagris, et al., " Are European Cities becoming Dispersed? A Comparative Analysis of 15 European Urban Areas," Landscape Urban Plan, 77, 1-2, 2006, 111-130. doi:10.1016/j.landurbplan.2005.02.003
- [10] Y. Tsai, "Quantifying Urban Form: Compactness versus' Sprawl'," Urban Studies, 42, 1, 2005, 141-161. doi:10.1080/0042098042000309748
- [11] N. B. Grimm, et al., " Global Change and the Ecology of Cities," Science, Vol. 319, No. 5864, 2008, pp. 756-760. doi:10.1126/science.1150195
- [12] M. Alberti, "The Effects of Urban Patterns on Ecosystem Function," International Regional Science Review, 28, 2, 2005, pp. 169-192. doi:10.1177/0160017605275160
- [13] Q. Weng and D. Quattrochi, "Urban Remote Sensing," Taylor & Francis Group, Boca Raton, 2007.
- [14] F. Dieleman and M. Wegener, "Compact City and Urban Sprawl," Built Environment, 30, 4, 2004, 308-323. doi:10.2148/benv.30.4.308.57151
- [15] M. Jenks, E. Burton and K. Williams, "The Compact City—A Sustainable Urban Form," E & FN Spon, London, 1996.
- [16] K. Williams, E. Burton and M. Jenks, "Defining Sustainable Urban Form," In: K. Williams, E. Burton and M. Jenks, Achieving Sustainable Urban Form, E & FN Spoon, London, 2000, 7-9.
- [17] S. Ryan and M. G. McNally, "Accessibility of Neotraditional Neighborhoods: A Review of Design Concepts, Policies, and Recent Literature," Transportation Research Part A, 29, 2, 1995, 87-105. doi:10.1016/0965-8564(94)E0008-W
- [18] D. Banister, "Reducing the Need to Travel," Environment and Planning B, 24, 3, 1997, pp. 437-449. doi:10.1068/b240437
- [19] M. Guérois and D. Pumain, "Built-Up Encroachment and the Urban Field: A Comparison of Forty European Cities," Environment and Planning A, 40, 9, 2008, 2186-2203. doi:10.1068/a39382
- [20] Jabareen, "Sustainable Urban Forms: Their Typologies, Models, and Concepts," Journal of Planning Education and Research September, 6, 1, 2006, 38-52
- [21] R. L. Gant, et al., "Land-Use Change in the Edgelands': Policies and Pressures in London's Rural-Urban Fringe," Land Use Policy, Elsevier Science Publication, United Kingdom, Vol. 28, No. 1, 2011, pp. 266-279.
- [22] S. Fazal, "Land Use Dynamics in the London Metropolitan Fringe," Lambert Academic Publishing, Germany, 2010.