Publications Mattias Höjer, 2016-05-09

Reviewed articles in international journals

1. Gudmundsson, H. and Höjer, M. (1996). "Sustainable development principles and their implications for transport." Journal of Ecological Economics **19**(3): 269-282. Reprinted in Willis, K.G., Turner, R.K. and Bateman, I.J. (Eds.) (2001) *Urban Planning and Management*, Edward Elgar, Cheltenham.

2. Höjer, M. (1996). "Urban transport, information technology and sustainable development." World Transport Policy and Practice **2**(1): 76-85.

3. Höjer, M. (1998). "Transport telematics in urban systems - a backcasting Delphi study." Transportation Research Part D **3**(6): 445-463.

4. Höjer, M. and Mattsson, L-G (2000). "Determinism and backcasting in future studies." Futures **32**(7): 613-634.

5. Höjer, M. (2002). "A hundred nodes in the Stockhom region – a simple calculation of the effects on commuting." Environment and Planning B Planning and Design **29:** 197-217.

6. Åkerman, J and Höjer, M. (2006) "How much transport can the climate stand?" Energy Policy **34**(14): 1944-1957.

7. Börjeson, L. Höjer, M. Dreborg, K-H Ekvall, T. Finnveden, G. (2006). "Scenario types and techniques - Towards a user's guide." Futures **34**: 723-739.

8. Larsen, K. and Höjer, M. (2007). "Technological innovation and transformation perspectives in environmental futures studies for transport and mobility". International Journal of Foresight and Innovation Policy, **3**(1): 95-115.

9. Ahlroth, S. and Höjer, M. (2007) "Sustainable Energy Prices and growth – comparing macroeconomic and backcasting scenarios" Ecological Economics **63**: 722-731.

10. Höjer, M., Ahlroth, S., Dreborg, K-H., Ekvall, T., Finnveden, G., Hjelm, O., Hochschorner, E., Nilsson, M. and Palm, V. (2008) "Scenarios in selected tools for environmental systems analysis" Journal of Cleaner Production 16: 1958-1970.

11. Wallgren, C and Höjer, M. (2009) "Eating energy - Identifying possibilities for reduced energy use in the future food supply system" Energy Policy **37**(12): 5803-5813.

12. Höjer, M., Dreborg KH., Engström, R., Gunnarsson-Östling, U. and Svenfelt, Å. (2011) "Experiences of the development and use of scenarios for evaluating Swedish environmental quality objectives" Futures **43**(4): 498-512.

13. Gunnarsson-Östling, U. and Höjer, M. (2011) "Scenario Planning for Sustainability in Stockholm, Sweden: Environmental Justice Considerations". Journal of Urban and Regional Research **35**(5):1048-1067.

14. Svenfelt, Å., Engström, R. and Höjer, M. (2011) ”Use of explorative scenarios in environmental policy making - evaluation of policy instruments for management of land, water and the built environment”, Futures **42**(10):1166-1175

15. Jonsson, D. Gustafsson, S. Wangel, J., Höjer, M., Lundqvist, P. and Svane, Ö. (2011) “Energy at your service: Highlighting Energy Usage Systems in the context of energy efficiency analysis”, Energy Efficiency **4**(3):355-369

16. Höjer, M., Gullberg A. and Pettersson, R. (2011) “Backcasting images of the future city – time and space for sustainable development”, Technological Forecasting and Social Change **78**(5):819-834.

17. Gunnarsson-Östling, U., Svenfelt, Å. & Höjer, M. (2012). Participatory methods for creating feminist futures. Futures, 44(10), 914-922.

18. Kramers, A., Wangel, J., Johansson, S., Höjer, M., Finnveden, G., Brandt, N. (2013) Towards a comprehensive system of methodological considerations for cities' climate targets. Energy policy 62, 1276-1287.

19. Kramers, A., Höjer, M., Lövehagen, N., Wangel, J. (2014) Smart sustainable cities: Exploring ICT solutions for reduced energy use in cities, Environmental Modelling & Software, ISSN: 1364-8152

Reviewed book sections

1. Höjer, M. (1999). Options for transport telematics. In: Beuthe, M. and Nijkamp, P. (eds) .New contributions to transportation analysis in Europe. Aldershot, Ashgate**:** 297-316.

2. Steen, P., Dreborg, K.-H., Henriksson, G., Hunhammar, S., Höjer, M., Rignér, J. and Åkerman, J. (1999). A sustainable transport system for Sweden in 2040. In: Meersman, H., van de Voorde, E. and Winkelmans, W. (eds) World transport research – selected proceedings from the 8th World conference on transport research, Antwerp, Belgium, 12-17 July 1998. Amsterdam, Pergamon. 3: 667-677.

3. Höjer, M. (2001). Telecommunicators in the multinuclear city. In: Snickars, F., Olerup, B. and Persson, L.-O. (eds) Reshaping Regional Planning. Aldershot, Ashgate**:** 347-362.

4. Höjer, M., Larsen, K. & Wintzell, H. (2012). Sustainable communications and innovation: Different types of effects from collaborative research including university and companies in the ICT-sector. In: : Herchui, M., Whitehouse, M., McIver, W., and Phahlamohlaka, J. (eds.) ICT Critical infrstructures and society, 10th IFIP TC9 International conference on Human Choice and Computers, HCC10, Amsterdam, The Netherlands, September 2012, Dordrecht, Springer:170-182.

5. Tapio, P., Höjer, M., Svenfelt, Å., and Varho, V. (2014) Exploring the space of alternatives: Heuristics in sustainability scenarios. In Huutoniemi, K. and Tapio, P. (Eds) Transdisciplinary Sustainability Studies A Heuristic Approach, Routledge.

6. Höjer, M. Wangel, J. (2015) Smart sustainable cities – definition and challenges. In Hilty, L.and Aebischer, B. (Eds) ICT Innovations for Sustainability, Springer Series Advances in Intelligent Systems and Computing, Dordrecht, Springer.

Reviewed conference proceedings

1. Steen P, Åkerman J, Dreborg K, Henriksson G, Höjer M, Hunhammar S, et al. A sustainable transport system for Sweden in 2040. In: World Transport Research: Selected Proceedings from the 8th World Conference onTransport Research. 1999. p. 667-677.

2. Finnveden G, Börjeson L, Höjer M, Dreborg K, Ekvall T. A Classification of Scenario Methods : Useful for the Expansion of Tools for Industrial Ecology. The 3rd International Conference of The International Society for Industrial Ecology. 2005.

3. Svane Ö, Gustafsson S, Wangel J, Jonsson D, Höjer M, Lundqvist P, et al. Situations of Opportunity in City Transformation : – enriching evaluative case study methodology with scenarios and backcasting, exploring the sustainable development of three Stockholm city districts. In: Proceedings of the ENHR Conference 2009, Prague. 2009.

4. Gunnarsson-Östling, U. & Höjer, M. (2007). Just Futures?. Paper presented at AESOP 2007 conference, 11-14 July, Naples, Italy.

5. Wangel, J., Mazé, R., de Jong, A.,Höjer, M. (2012) Backcasting and design for sustainable social practices, Proceedings of the Nordic Conference on Consumer Research, Nordic Conference on Consumer Research, Gothenburg, Sweden, May-Jun 2012.

6. Kramers, A., Höjer,M., Lövehagen, N., Wangel, N. (2013) ICT for Sustainable Cities: How ICT can support an environmentally sustainable development in cities. In: Hilty, L.M., Aebischer, B., Andersson, G., Lohmann W (eds). Proceedings of the First International Conference on Information and Communication Technologies for Sustainability, ETH Zurich, February 14-16, 2013, ETH Zürich, DOI 10.3929/ethz-a-007337628.

7. Wangel, J., Höjer, M., Pargman, D., Svane, Ö. (2013) *Engineers of the future: using scenarios methods in sustainable development education* Engineering Education for Sustainable Development, Cambridge, UK. September 22 – 25. http://www-eesd13.eng.cam.ac.uk/proceedings/paper107

8. Kramers, A., Höjer M., and Wangel, J. (2014) *Planning for smart sustainable cities: formative moments, actor networks and competence gaps* In Höjer, Wangel and Lago (eds), Proceedings from ICT4S 2014, Atlantis Press, 299-305.

9. Henriksson, G. Nyblom, Å. Gullberg, A. and Höjer, M. (2014) ICT-based sub-practices in sustainable development of urban travel? In Höjer, Wangel and Lago (eds), Proceedings from ICT4S 2014, Atlantis Press, pp. 265-271.

10. Kramers A. Höjer M. Work hubs: Location considerations and opportunities for reduced travel. Proceedings of Enviroinfo and ICT4S 2015, Atlantis Press , 2015, Vol. 22, 126-135 p

Books

Gullberg, A., Höjer, M., and Pettersson, R. (2007). Bilder av framtidsstaden – Tid och rum för hållbar utveckling, Symposion, Eslöv.

Höjer, M., Gullberg, A., and Pettersson, R. (2011). Images of the future city – time and space for sustainable development, Springer.

Håkansson, A., Höjer, M., Howlett, R.J., Lain, L.C. (Eds) (2013) Sustainability in Energy and Buildings - Proceedings of the 4th International Conference in Sustainability in Energy and Buildings (SEB´12), Berlin Heidelberg: Springer

Höjer, M., Lago, P., and Wangel J. (Eds) (2014) Proceedings from 2nd International conference on ICT for Sustainability (ICT4S 2014), Atlantis on-ine book

Other book sections

1. Höjer, M. (2000). Information Technology, Urban Form and Travel. In Bång, K.-H. (Ed.) Traffic in Major Cities, Problems and prospects. Infrastructure and Planning, Royal Institute of Technology, Stockholm.

2. Höjer, M., Bergman, B., Gulllberg, A. and Pettersson R. (2004). Tid och rum för mindre energi i staden. In: Blücher, G. and Graninger, G. (Eds.) Krävs energi i samhällsplaneringen? Vadstena Forum Symposium 2004. Linköpings universitet, s. 131-149.

3. Gullberg, A., Höjer, M., Pettersson R. and Bergman, B. (2005). Den hållbara staden – Stockholm som exempel. In: Sörenson, U. (Ed.) Stockholm – den växande staden Samfundet St Erik, Stockholm, s. 70-85.

4. Höjer, M. (2008). Stockholm 2050. In: Pettersson, R. (ed.) Bekvämlighetsrevolutionen - Stockholms hushåll och miljöer under 150 år och i framtiden, Stockholmia förlag, Stockholm.

5. Svenfelt Å. and Höjer, M. (2012) Framtidsstudier och osäkerheter. In Alm, S., Westholm, E. and Palme, J. (eds) Att utforska framtiden (In Swedish) , Dialogos, Stockholm.

6. Höjer, M., Svenfelt Å. and Wangel, J. (2012) Backcasting öppnar upp framtiden In Alm, S., Westholm, E. and Palme, J. (eds) Att utforska framtiden (In Swedish), Dialogos, Stockholm.

Research reports

1. Höjer, M. (1997). Telematics in Urban transport - a Delphi survey using scenarios. Stockholm, Tekn. Lic. Thesis. Infrastructure and Planning, Royal Institute of Technology.

2. Steen, P., Dreborg, K.-H., Henriksson, G., Hunhammar, S., Höjer, M., Rignér, J. and Åkerman, J. (1997). Färder i framtiden - transporter i ett bärkraftigt samhälle. KFB-report 1997:7, Swedish Transport and Communications Research Board, Stockholm.

3. Höjer, M. (1998). Ökad tillgänglighet och minskat resande? – en framtidsstudie om bebyggelsestruktur och IT för minskad pendling. KFB-report 1998:40, Swedish Transport and Communications Research Board, Stockholm.

4. Höjer, M. (2000). What is the Point of IT? – backcasting urban transport and land-use futures. PhD Thesis, Infrastructure and Planning, Royal Institute of Technology, Stockholm.

5. Höjer, M. (2001). Sustainable Development, the Information Society and the Future of the City. Infrastructure and Planning, Royal Institute of Technology, Stockholm.

6. Åkerman, J., Dreborg, K.-H., Henriksson, G., Hunhammar, S., Höjer, M., Jonsson, D., Moberg, Å., Steen, P. (2001). Destination Framtiden. KFB-report 2000:66, Stockholm, Swedish Transport and Communications Research Board.

7. Hedberg, L., Dreborg, K.-H., Finnveden, G., Gullberg, A., Höjer, M. and Åkerman, J. (2003). Rum för framtiden. FOI-R--0854—SE, Defence Analysis, Swedish Defence Research Agency, Stockholm.

8. Gunnarsson, U., Höjer, M. och Dreborg, K.-H. (2006): Att använda scenarier - förslag till långsiktigt miljömålsarbete 69 s. TRITA-INFRA-FMS 2006:3

9. Björklund, A., Höjer, M., Roth, L. och Svenfelt, Å. (2007). Giftfria och resurssnåla kretslopp - Åtgärdsstrategier under olika omvärldsutveckling.
112 sid. ISSN 1652-5442 TRITA-FMS 2007:8

10. Engström, R., Dreborg, K-H., Höjer, M., Björklund, A., Svenfelt, Å. och Åkerman, J. (2007). Åtgärdspaket och omvärldsscenarier för de svenska miljömålen. 20 s. ISSN 1652-5442 TRITA-FMS 2007:6

11. Engström, R., Höjer, M. och Dreborg, K-H. (2007). Omvärldsscenarier till miljömålsarbetet. 54 s. ISSN 1652-5442 TRITA-FMS 2007:5.

Other reports

1. Höjer, M. (2000). Stockholm med knutpunktsstruktur – ett räkneexempel över pendlandet 2010. Working paper nr 10, Office of regional planning and urban transportation, Stockholm.

2. Forsebäck, L. and Höjer, M. (2003). Report from the workshop "Den intelligenta staden - IT och miljö i transport och bebyggelse", Stockholm October 2-3 2003, Forum IT and the Environment, Department of the Environment, Stockholm.

3. Gunnarsson Östling, U., Höjer, M. & Svenfelt, Å. (2010). Creating Feminist Futures. Paper presented at Stockholm Futures Conference - Our Future in the Making. Stockholm, November 18-19th.

4. Neuvonen, A., Kuittinen, O., Saler, K., Höjer, M., Rantanen, K., Lähteenoja, S., Wangel, J., Anttila, J., Annala, M., Välimäki, H., Vargas, M. (2015) “Nordic Cities Beyond Digital Disruption – a novel way to develop cities”, DemosHelsinki and KTH Royal Institute of Technology. ISBN 978-952-5844-20-7

5. Höjer, M. Moberg, Å., Henriksson, G. SNV-rapporten Digitalisering och hållbar konsumtion Underlagsrapport till fördjupad utvärdering av miljömålsarbetet, Rapport 6675, Naturvårdsverket, 2015.