

## JULKAISULUETTELO/ LIST OF PUBLICATIONS



**Tapio S. KATKO UNESCO Chair in Sustainable Water Services, Docent, Adjunct Professor**

c/o Tampere University (TAU) CADWES: [www.cadwes.org](http://www.cadwes.org)

**Total no. 565**

**peer reviewed 270 (A+C+ part of D+ F+G)**

### A PEER REVIEW SCIENTIFIC ARTICLES (202)

#### A1. Scientific peer review articles (111)

##### International journal papers (85)

1. Katko T. 1986. Major constraints in water supply in developing countries. *Aqua Fennica*. Vol. 16, no. 2. pp. 231-244.
2. Katko T. 1987. Organizational alternatives for external support in water supply. *Aqua Fennica*. Vol. 17, no. 1. pp. 3-15.
3. Häkkinen R., Katko T., Rynnänen S. & Teizazu T. 1987. Developing a multistage swirl concentrator for higher separation efficiencies. *Filtration & Separation*. Vol. 24, no. 6. pp. 414-416.
4. Katko T. 1988. Pricing of water services in Finland and some other developed countries. *Aqua Fennica*. Vol. 18, no. 1. pp. 61-74.
5. Katko T. 1990. Cost recovery in water supply in developing countries. *Int. J. of Water Resources Development*. Butterworths. Vol. 6, no. 2. pp. 86-94.
6. Katko T. & Viitasaari, M. 1990. Rural water supply development in Finland - Possible implications for the developing countries. *Aqua Fennica*. Vol. 20, no. 1. pp. 3-12.
7. Katko T. 1991. Reselling and vending water. *JAWWA*. Vol. 83, no. 6. pp. 63-69. [Reviewed in the theme introduction "International Water Issues"] (reprinted by the permission of AWWA in ESCAP Water Resources Journal, ST/ESCAP/SER.C/171 Dec 1991).
8. Katko T. 1992. Evolution of consumer-managed water cooperatives in Finland with implications for developing countries. *Water International*. Vol. 17, no. 1. pp. 12-20.
9. Katko T. 1992. Limited applicability of economies of scale to water supplies. *Aqua - Journal of Water Supply Research and Technology*. Vol. 41, no. 5. pp. 283-289.
10. Katko T. 1992. Cost recovery in water services. *Water Science and Technology*. Vol. 26, no. 9. pp. 2621-2624.
11. Mashauri D. A. & Katko T. 1993. Water supply development and tariffs in Tanzania: from free water policy towards cost recovery. *Environmental Management*. Vol. 17, no. 1. pp. 31-39.
12. Katko T. 1993. Rural water supplies: what ways and means? *World Health Forum*. Vol. 14, pp. 425-428.
13. Katko T. 1993. Management of water and sewage services in Finland. *Water management Europe 1993/4*. An annual review of the European water and wastewater industry. pp. 19-21.
14. Katko T. 1994. The need for "champions" in rural water supply. *Waterlines*. Vol. 12, no. 3. pp. 19-22.
15. Katko T. 1994. Water management in Finland. *European Water Pollution Control*. Vol. 4, no. 6 pp. 40-46.
16. Rämö J., Hukka J. & Katko T. 1997. Economic performance of water supply organisations: the implications for institutional framework and development cooperation. *J Water SRT - Aqua*. Vol. 46, no. 2. pp. 106-116.
17. Hukka J. & Katko T. 1997. Towards viable water services. *Natural Resources Forum*. Vol. 21, no. 3. pp. 161-167.
18. Katko T. 1997. The use of wooden pipes in rural water supply in Finland. *Vatten*. Vol. 53, no. 3. pp. 267-272.
19. Katko T., Juhola P. & Kallioinen S. 1998. Declining water consumption in communities: sign of efficiency and a future challenge. *Vatten*. Vol. 54, no. 4, pp. 277-282.
20. Juhola P., Hukka J. & Katko T. 1999. Water and Sewage Utilities as Community Service Providers in Finland - Development Needs and Future Strategies. *European Water Management*. Vol. 9, no. 2. pp. 46-54.
21. Juuti P. & Katko T. 1999. From Polluted to Swimmable Water: Tampere city water works 1835-1998. *Water International*. Vol. 24, no.3. pp. 204-210.
22. Katko T. & Lehtonen J. 1999. The evolution of wastewater treatment in Finland. *Vatten*. Vol. 55, no. 3. pp. 181-188.
23. Hukka J. & Katko T. 1999. Water supply and sanitation as an entry point to human development. Vision21- Knowledge synthesis.
24. Katko T. 2000. Long-term development of water and sewage services in Finland. *Public Works Management & Policy*. Vol. 4, no. 4. pp. 305-318.
25. Hukka J. & Katko T. 2000. Privatization of water services – puzzling experiences, yet little discussion. *European Water Management*. Vol. 3, no. 3. pp. 43-44.
26. Katko T. 2000. Water and sanitation services: institutional evolution in Finland, 1850-2000. *Water Nepal, Journal of Water Resources Development*. Vol. 7, no. 2. pp. 69-86.
27. Seppälä O.T., Hukka J.J. & Katko T.S. 2001. Public private partnerships in water and sewerage services: Privatization for profit or improvement of service and performance? *Public Works Management & Policy*. Vol. 6, no. 1. pp. 42-58.
28. Katko T.S., Juuti P.S. & Hukka J.J. 2002. An early attempt to privatise – any lessons learnt? Research and technical note. *Water International*. Vol. 27, no. 2. pp. 294-297.
29. Asheesh M. & Katko T.S. 2002. River basins and rules on non-navigational use of international watercourses. Large Rivers. Vol. 13, no. 3-4. *Arch. Hydrobiol. Suppl.* 141/3-4, pp. 409-421.
30. Hukka J.J. & Katko T.S. 2003. Refuting the paradigm of water services privatization. *Natural Resources Forum*. Vol. 27, no. 2. pp. 142-155.

31. Seppälä O.T. & Katko T.S. 2003. Appropriate pricing and cost recovery in water services. *Journal of Water Supply: Research and Technology – AQUA*. Vol. 52. pp. 225-236.
32. Seppälä O.T., Rajala R.P. & Katko T.S. 2004. Customer-responsive water and sanitation services. *JAWWA*. Vol. 96, no. 6. pp. 83-93. <https://doi.org/10.1002/j.1551-8833.2004.tb10781.x>
33. Rajala R.P. & Katko T.S. 2004. Household water consumption and demand management in Finland. *Urban Water Journal*. Vol. 1, no.1, pp. 17-26. <https://doi.org/10.1080/15730620410001732080>
34. Kaivo-oja J.Y., Katko T.S. & Seppälä O.T. 2004 Seeking for Convergence between History and Futures Research. *Futures, Journal of policy, planning & futures studies*. Vol. 36, pp. 527-547. <http://www.sciencedirect.com/science/article/pii/S0016328703002003>
35. Katko T.S., Luonsi A.A.O. & Juuti P.S. 2005. Water Pollution Control and Strategies in Finnish Pulp and Paper Industries in the 20th century. *International Journal of Environment and Pollution*. Vol. 23, no. 4. pp. 368-387. <https://doi.org/10.1504/IJEP.2005.007600>
36. Katko T.S. & Rajala R.P. 2005. Priorities for fresh water use purposes in selected countries with policy implications. *IJ of Water Resources Development*. 21, 2: 311-323. <https://doi.org/10.1080/07900620500108650>
37. Juuti P.S., Katko T.S. & Rajala R.P. 2005. For the quality of life - Evolution and lessons learnt of water and sanitation services in Porvoo, Finland, 1900-2000. *Natural Resources Forum*. Vol. 29, no. 2, pp. 109-119. <https://doi.org/10.1111/j.1477-8947.2005.00120.x>
38. Katko T.S., Lipponen A.M. & Rönkä E.K.T. 2006. Ground water use and policy in community water supply in Finland. Report. *Hydrogeology Journal*. Vol.14, no. 1-2, pp.69-78. <https://link.springer.com/article/10.1007/s10040-004-0351-3>
39. Katko T.S\*, Juuti P.S. & Pietilä P.E. 2006. Key long-term decisions and principles in water services management in Finland, 1860-2003. *Boreal Environment Research*. Vol 11, no. 5. pp. 389–400. <http://www.borenv.net/BER/pdfs/ber11/ber11-389.pdf>
40. Hukka J.J., Petri S. Juuti P.S., Katko T.S. & Seppälä O.T. 2006. Many Ps needed for sustainable water services – expansion of the scope of public-private partnerships. *Public Works Management & Policy*. Vol. 11, no. 2. pp. 104-109.
41. Katko T. 2006. Road Safety Fatalities, Management and Policy in Finland, 1970-2002. *Public Works Management & Policy*. Vol. 11, no. 2. pp. 126-138. <https://doi.org/10.1177/1087724X06294066>
42. Juuti P.S., Katko T.S. & Hukka J.J. 2006. Revisiting Private Water Proposals and Concessions of the 1870-80s in Finland. *Water International*. Vol. 32, no. 3. 288-294.
43. Hall D., Katko T. Sanz Mulas A., Lobina E. & De La Mott R. 2007. Decision-making and participation: The Watertime results. *Utilities Policy*. Vol. 15, no. 2. pp. 151-159.
44. Pietilä P.E., Katko T.S. & Hukka J.H. 2007. Public-private Partnership in Finnish Water Services. CESifo DICE report. *Journal of Institutional Comparisons*. Vol. 5, no. 2. pp. 27-32.
45. Juuti P.S., Katko T.S., Rajala R.P. & Seppälä O.T. 2007. Evolution of water and sewerage services in Hämeenlinna, Finland, 1800 – 2000. *E-Water*. EWA. <http://www.ewa-online.eu/e-water-documents.html>
46. Pietilä P.E., Hukka J.J. & Katko T.S. 2007. The Finnish Experience. *Journal of Comparative Social Welfare*. Vol. 23, no. 2. pp. 167-180. [www.tandf.co.uk/journals/titles/17486831.asp](http://www.tandf.co.uk/journals/titles/17486831.asp)
47. Hukka J.J., Katko T.S., Mattila H.E., Pietilä P.E., Sandelin S.K. & Seppälä O.T. 2007. Inadequacy of positivistic research to explain complexity of water management. *International Journal of Water*. Vol. 3, no. 4. pp. 425–444. <https://www.inderscienceonline.com/doi/abs/10.1504/IJW.2007.016325>
48. Vuorinen H., Juuti P.S. & Katko T.S. 2007. History of water and health from ancient civilizations to modern times. *Water Science & Technology. Water Supply*. Vol. 7, no. 1. pp 49-57. <https://iwaponline.com/ws/article-abstract/7/1/49/26301/History-of-water-and-health-from-ancient?redirectedFrom=fulltext>
49. Lavapuro M.J.T., Lipponen A., Artimo A. & Katko T.S. 2008. Groundwater Sustainability Indicators: Testing with Finnish data. *Boreal Environment Research*. Vol. 13, no. 5. pp. 381-402. [www.borenv.net/BER/pdfs/ber13/ber13-381.pdf](http://www.borenv.net/BER/pdfs/ber13/ber13-381.pdf)
50. Katko T., Juuti P. & Rajala R. 2009. Writing the history of water services. *Physics and Chemistry of the Earth*. Elsevier. Vol. 34, pp. 156–163. [dx.doi.org/10.1016/j.pce.2008.06.033](https://doi.org/10.1016/j.pce.2008.06.033) [www.elsevier.com/locate/pce](http://www.elsevier.com/locate/pce)
51. Juuti P., Katko T., Persson K. & Rajala R. 2009. Shared history of water supply and sanitation in Finland and Sweden, 1860-2000. *Vatten. Föreningen Vatten*. Vol. 65, no. 3, pp. 165–175. [https://www.tidskriftenvatten.se/wp-content/uploads/2017/04/48\\_article\\_4013.pdf](https://www.tidskriftenvatten.se/wp-content/uploads/2017/04/48_article_4013.pdf)
52. Juuti P. & Katko T. & Vinnari E. 2010. Past and Futures of Water. Introductory Note. *Environment and history*. White Horse Press. Vol. 16, no. 2. pp. 167-171. [www.ericademon.co.uk/EH/EH16.html](http://www.ericademon.co.uk/EH/EH16.html)
53. Juuti P., Katko T. & Tempelhoff J. 2010. Water and the City. *Environment and history*. White Horse Press. Vol. 16, no. 2. pp. 213-234. [www.ericademon.co.uk/EH/EH1608.html](http://www.ericademon.co.uk/EH/EH1608.html)
54. Pietilä P., Katko T. & Seppälä O. 2010. Uniqueness of water services. *E-Water*. <http://www.ewa-online.eu/e-water-documents.html>
55. Katko T.S., Kurki V.O., Juuti P.S., Rajala R. P. & Seppälä O.T. 2010. Integration of water and wastewater utilities: A case from Finland. *JAWWA*. Vol. 102, no. 9. pp. 62-70. Re-published with the permit of JAWWA, pp. 29-38. In: Juuti P., Katko T. & Schwartz K. (eds.; 2013) *Water Services Management and Governance: Past Lessons for a Sustainable Future*. IWA Publishing.
56. Kurki V.O., Katko T.S. & Pietilä P. 2010. Bilateral collaboration in water and wastewater services in Finland. *Water. Open Access*. Vol 2, no. 4. pp. 815- 825. [www.mdpi.com/journal/water/](http://www.mdpi.com/journal/water/)
57. Hukka J.J., Katko T.S., Pietilä P.E. & Seppälä O.T. 2010. Towards Balanced Public-Private Co-operation in Urban Water Management. *Journal Of Management and Public Policy*. Vol 2, no. 1. pp. 71-81. <http://jmpp.in/wp-content/uploads/2016/01/Jarmo-J.-Hukka-Tapio-S.-Katko-Pekka-E.-Pietila-Osmo-T.-Seppala.pdf>
58. Takala A., Arvonen V., Katko T., Pietilä P. & Åkerman M. 2011. Evolving role of water co-operatives in Finland – Lesson learnt? *International Journal of Co-operative Management*. Vol 5, no. 2. pp 11-19.
59. Heino O.A, Takala A.J. & Katko T.S. 2011. Challenges to Finnish water and wastewater services in the next 20–30 years. *E-Water*. EWA. <http://www.ewa-online.eu/e-water-documents.html>
60. Stenroos M. & Katko T. 2011. Managing Water Supply through Joint Regional Authorities in Finland: Two Comparative Cases. Special Issue "Water Policy". *Water*. Vol. 3, no. 2. pp. 667-681. [www.mdpi.com/journal/water/special\\_issues/water\\_policy/](http://www.mdpi.com/journal/water/special_issues/water_policy/)

61. Katko T.S. 2011. Veden keskeinen merkitys yhteiskunnassa ja yhdyskunnissa. Central role of water in society and community. *Finnish Journal of Environmental History*. Pääkirjoitus. Editorial. Vol. 1, no.2. pp 4-11. <http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No0211.html#paakirjoitus>
63. Katko T.S. 2012. Valtavat haasteet. Pääkirjoitus. Huge Challenges. Editorial. *Finnish Journal of Environmental History*. Vol.2. no. 3. pp 4-9. <http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No32012.html#paakirjoitus>
62. Jaatinen T., Katko T & Pynnönen S. 2012. Focus and Change of Water Management in Finland. *Finnish Journal of Environmental History*. Vol. 2, no.3: 10-32. <http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No32012.html>
64. Katko T.S. 2013. Vesihuoltolaitosten historiat imagon nostajana. Pääkirjoitus. Relevance of history for current water services management and governance. Editorial. In English and Finnish. *Finnish Journal of Environmental History*. Vol.3. no. 2. pp 4-5. <http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No22013.html#paakirjoitus>
65. Kurki V., Lipponen A. & Katko T. 2013. Managed aquifer recharge in community water supply - the Finnish experiences and some international comparisons. *Water International*. Vol. 38, no. 6. pp. 774-789. <https://doi.org/10.1080/02508060.2013.843374>
66. Heino O., Katko T.S. & Pietilä P.E. 2015. Tighter Contracts or More Trust? Outsourcing in Finnish Water Utilities. *Public Works Management Policy*. Vol. 20, no 4. pp. 360–378. <http://pwm.sagepub.com/content/20/4/360.abstract>
67. Juuti P. & Katko T. 2014. Water supply and sanitation services in Finland before World War 2. *Flux*, 2014/3 N° 97-98: 80-87. (Resumé: Les services d'eau et d'assainissement en Finlande Avant la deuxième Guerre mondiale: 134-135). <https://www.cairn.info/revue-flux1-2014-3-page-80.htm>
68. Hukka J.J & Katko T.S. 2015. Appropriate Pricing Policy Needed Worldwide for Improving Water Services Infrastructure. *Journal of American Water Works Association* .107:1: E37- E46. <https://doi.org/10.5942/jawwa.2015.107.0007>
69. Katko T.S. & Hukka J.J. 2015. Social and Economic Importance of Water Services in The Built Environment: Need for More Structured Thinking. 8th Nordic Conference on Construction Economics and Organization. *Procedia Economics and Finance*. 21: 217–223. <http://www.sciencedirect.com/science/journal/22125671/21>
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71. Katko T. 2015. Kohti tasapuolisempaa tutkimuksen arviointia. Pääkirjoitus. Towards Better Balanced Research Assessment. Editorial. In English and Finnish. *Finnish Journal of Environmental History*. Vol.5. no. 1. pp 4-5. [http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No1\\_2015.html](http://www.uta.fi/yky/tutkimus/historia/projektit/iehg/Ymparistohistoria/No1_2015.html)
72. Juuti P.S., Antoniou G.P., Dragoni W., El-Gohary F., De Feo G., 5, Katko T.S., Rajala R.P., Zheng X.Y., Drusiani R. & Angelakis A.N. 2015. Short Global History of Fountains. *Water*. 7: 2314-2348; doi:10.3390/w7052314. <http://www.mdpi.com/2073-4441/7/5/2314/pdf>
73. Behailu B.M., Arto Suominen S. & Katko T.S. 2015. Evolution of Community Managed Water Supply Projects from 1994 to the 2010s in Ethiopia. *Public Works Management & Policy*. Vol. 20, 4: 379–400. <https://doi.org/10.1177/1087724X15593955>
74. Kurki, V. & Katko T. S. 2015. Groundwater as a source of conflict and cooperation: towards creating mutual gains. *Water Alternatives*. 8,3: 337-351. <http://www.wateralternatives.org/index.php/alldoc/articles/vol8/v8issue3/295-a8-3-3/file>
75. Kurki V., Pietilä P. & Katko T. 2016. Assessing Regional Cooperation in Water Services: Finnish Lessons Compared With International Findings. *Public Works Management & Policy*. 21, 4: 368-389. DOI: 10.1177/1087724X16629962 <http://pwm.sagepub.com/content/early/2016/02/18/1087724X16629962.abstract>
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78. Behailu B.M., Pietilä P.E. & Katko T.S. 2016. Indigenous practices of water management for sustainable services: Case of Borana and Konso, Ethiopia. *SAGE open*. <https://doi.org/10.1177/2158244016682292>
79. Arvonen V., Kibocha S.N., Katko T.S. & Pietilä P.E. 2017. Features of Water Co-operatives: A comparative study on Finland and Kenya. *Public Works Management & Policy*. <https://doi.org/10.1177/1087724X17715267>
80. Katko T. S. 2018. Water Services Development and Governance in Finland. Feature Article. *JAWWA*. 110, 5: 50-55. <https://doi.org/10.1002/awwa.1079>
81. Katko T.S., Hukka J.J, Juuti P.S. & Rajala R. 2018. Rehabilitation of Aging Urban Water Systems: Strategic Thinking Required. *Geosciences*. Vol. 8, no. 7. pp. 230 (8 pages); <https://doi.org/10.3390/geosciences8070230>
82. Laitinen J., Antikainen R., Hukka J. & Katko T. 2019. Water Supply and Sanitation in a Green Economy Society: The Case of Finland. *Public Works Management & Policy*. <https://doi.org/10.1177/1087724X19847211>
83. Sandelin S., Hukka J. & Katko T. 2019. Importance of Knowledge Management at Water Utilities. *Public Works Management & Policy*. DOI: 10.1177/1087724X19870813
84. Inha L.M., Katko T.S. & Riikka P. Rajala R.P. 2019. Improved Water Services Cooperation through Clarification of Rules and Roles. *Water*. 11(10), 2172. <https://doi.org/10.3390/w11102172>
85. Rajala R.P., Katko T.S. & Springe G. 2019. Students' Perceived Priorities on Water as a Human Right, Natural Resource, and Multiple Goods. *Sustainability* 11(22), 6354; <https://doi.org/10.3390/su11226354>
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86. Rajala R.P, Katko T.S. & Juuti P.S. (resubmitted 2019) Evolution of Water and Wastewater Services in Finland, 1860-2018. *Environment and History*.
87. Laitinen J., Kallio J., Katko T., Juuti P., Hukka J. (under review 2019). Resilient water services for the 21th century society. *Water*.
88. Valipour M. et al. (submitted). Water-driven Music Technologies through Centuries. *Journal of Music Therapy*
89. Hukka J.J, Juuti P.S., Katko T.S & Rajala R.P. (under preparation) Framework for building sustainable and resilient multi-level governance for water services (state of the art/ article).
90. Rajala R.P., Juuti P.S. & Katko T.S. Water pollution control – a success story from Finland (under preparation) Joku JUFO 2.

90. Inha L. & Katko T. & Hukka J. (to be submitted 2019). *Good fragmentation, bad fragmentation -Diverse water production systems within multi-level water services governance in Finland. Public Works Management & Policy.*

Peer reviewed national journal papers<sup>1</sup> (25)

1. Katko T. 2000. Vesi- ja viemärlaitostoiminnan käynnistyminen Suomessa. (Establishing water and sewage utilities in Finland). *Vesitalous*<sup>2</sup>. Vol. 41, no. 2. pp. 6-9. (In Finnish).
2. Seuna P., Kuusisto. E., Hukka J., Katko T. & Vuoriranta P. 2000. Kaksi vesihuollon vaikuttajaa on poissa (Two influential water experts passed away). *Vesitalous*. Vol. 41, no. 4. pp. 2. (In Finnish).
3. Hukka J., Katko T., Mattila H., Mohamed A., Pietilä P. & Seppälä O. 2002. Vesihuollon instituutiot elävät muutosten aikaa (Water management institutions in a time of change). *Vesitalous*. Vol. 43, no. 1. pp. 16-18. (In Finnish).  
<https://www.vesitalous.fi/wp-content/uploads/2013/07/1-2002.pdf>
4. Katko T. 2002. Vesihuollon virstanpylväitä (Turning points in water supply and sanitation). *Vesitalous*. Vol. 43, no. 5. pp. 23-28. (In Finnish, Abstract in English). [https://www.vesitalous.fi/wp-content/uploads/2013/07/5\\_2002.pdf](https://www.vesitalous.fi/wp-content/uploads/2013/07/5_2002.pdf)
5. Katko T. 2003. Fahrenheit 451 – Vanheneeko vai kumuloituko tieto (Fahrenheit 451: does knowledge cumulate or become outdated?) *Tiedepolitiikka*.<sup>3</sup> Vol. 28, no. 1. pp. 56-58. [http://www.tiedeliitto.net/tiedepolitiikka\\_lehti/tp1\\_03.htm](http://www.tiedeliitto.net/tiedepolitiikka_lehti/tp1_03.htm)
6. Juuti P. & Katko T. 2004. Historian hallinta on myös tulevaisuuden hallintaa (Managing the future by understanding history). *Vesitalous*. Vol. 45, no. 4. pp. 21-23 (In Finnish, Abstract in English)  
[https://www.vesitalous.fi/wp-content/uploads/2013/07/4\\_2004.pdf](https://www.vesitalous.fi/wp-content/uploads/2013/07/4_2004.pdf)
7. Katko T. 2004. Paluu tulevaisuuteen (Return to the futures). *Vesitalous*. Vol. 45, no. 6. pp. 58 (In Finnish).  
[https://www.vesitalous.fi/wp-content/uploads/2013/07/6\\_2004.pdf](https://www.vesitalous.fi/wp-content/uploads/2013/07/6_2004.pdf)
8. Juuti P. & Katko T. 2007. Vaasan Vesi - aina ajan hermolla (Vaasa water – always on the mood). *Vesitalous*<sup>4</sup>. Vol. 48, no. 4. pp. 27-31. [www.mvtt.fi/Vesitalous/arkisto/2007/042007/juutpetr.pdf](http://www.mvtt.fi/Vesitalous/arkisto/2007/042007/juutpetr.pdf)
9. Katko T. 2007. Vesihuollon koulutus, tutkimus ja yhteiskunnallinen vaikuttavuus (Education and research on water supply: impact on society). *Vesitalous*. Vol. 48, no. 4. pp. 16-21. [www.mvtt.fi/Vesitalous/arkisto/2007/042007/katktapi.pdf](http://www.mvtt.fi/Vesitalous/arkisto/2007/042007/katktapi.pdf)
10. Katko T. 2008. Vesihuollon tulevaisuuden kuviin oppia historiasta (Futures of water supply and sanitation – lessons from history). *Vesitalous*. Vol. 49, no. 1. pp. 49-51. [https://www.vesitalous.fi/wp-content/uploads/2013/07/1\\_2008.pdf](https://www.vesitalous.fi/wp-content/uploads/2013/07/1_2008.pdf)
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<sup>2</sup> Finnish Journal for professionals in the water sector

<sup>3</sup> Journal on Science Policy (Finland)

<sup>4</sup> major national water sector journal; “semi” peer reviewed

**A3 Chapters in research books (51)****International Book Chapters (46)**

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39. Katko T.S., Hukka J.J., Mashauri D.A & Nyangeri E.N. 2014. Water Services and Cooperation. pp Ch. 38. 231-239. In: Quentin Grafton Q, Wyrwoll P., White C. & Allendes D. (eds). Global Water. Issues and Insights. Australian National University Press.
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45. Staddon C., Juuti P., Katko T., Mattila H., Rajala R. & Schwartz K. 2019. Water security and resilience. pp. 9-13. In: Juuti P., Mattila H., Rajala R., Schwartz K. & Staddon C.(eds). 2019. Resilient water services and systems: the foundation of well-being. IWA Publishing.
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**National Book Chapters (5)**

From 1998 to 2013. (66 chapters in books on Tampere, Hämeenlinna, Porvoo, Kangasala, Vaasa, Hanaa; *not* listed separately here)

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**A4 Conference proceedings (peer reviewed, 42)**

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4. Katko T. & \*Morange H. 1988. Water and wastewater charges in Finland. *Proceedings of IWSA conference: Cost and price of water in urban areas.* Paris, France. 6.-8.12.1988. pp. 415-424.
5. Katko T. 1989. Consumers' role in water supply in Finland. *Proceedings of the WHO meeting on intersectoral cooperation in the development of post decade activities.* TUT, Tampere, Finland. 23.-27.5.1989. ICP/CWS 022/27. 8 p.
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12. \*Pietilä P., Katko T., Sandelin S. & Seppälä O. 1993. Educational requirements for water and environmental engineers in developing countries. *Proceedings of the SEFI*<sup>11</sup> *Annual Conference and 20th Anniversary, Achieving and Assessing Quality of Engineering Education.* Luleå, Sweden. 29.6.-1.7. 1993. pp. 535-541.
13. \*Hukka J.J., Katko T.S. & Seppälä O. 1993. Action needed to secure clean water and adequate sanitation in developing countries. *XII World Congress of World Futures Studies Foundation.* Turku. 23-27 August 1993. 16 p.
14. \*Hukka J.J., Katko T. & Isakow M. 1993. Cooperation of water and wastewater utilities in Kouvola area. See D4: Hukka et al 1994. (eds.). pp. 71-76.
15. Hukka J.J., Katko T. & \*Morange H. 1994. Institutional development of water and wastewater utilities in Finland — wider autonomy and regionalization? *Proceedings of Hydrotop '94. International Conference.* Marseilles, France. 12.-15.4.1994. 6 p.
16. \*Katko T. & Pietilä P. 1994. Promotion of environmental engineering in BSc engineering curricula. *Proceedings of the ENTREE*<sup>12</sup> *'94 Conference.* Lyngby, Denmark. 16.-19.11.1994. pp. 273-280.
17. Katko T. 1995. Financing of water services. *Proceedings of the workshop on water sector capacity building.* Tampere, Finland. 8.-9.6.1995. TUT, IWEE. pp. 36-39.

<sup>7</sup> competition finalist of the annual museum publication prize

<sup>8</sup> \* = speaker

<sup>9</sup> EADI = European Association of Development Research and Training Institutes

<sup>10</sup> WEDC = Water; Engineering and Development Centre

<sup>11</sup> SEFI = European Society for Engineering Education

<sup>12</sup> ENTREE = ENvironmental TRaining in Engineering Education

18. Katko T. 1996. Long-term development of water and sanitation services: organizations, management and economics. Seminar on the Anglo-Finnish-Russian Cooperation Project on Water Management. Tampere. 15.-17.2.1996. 9 p.
19. \*Hukka J. & Katko T. 1997. Long-term development and the futures of water services - the cases of Finland and Kenya. *IWSA Specialised Conference on the Challenges of the Next 50 Years*. Harrogate, U.K. 16.-17.6.1997. pp. 111-119.
20. Katko T. 1998. Evolution of water supply and sanitation in Finland from the mid-1800s to 2000. Theme "Technology and Environment". *ESSH<sup>13</sup> Conference*. Amsterdam 5.-7.3.1998. 14 p.
21. Hukka J.J. & Katko T. 1998. Approaches to make water and wastewater utilities competitive and autonomous in Finland. Finland's Experiences of Sustainable Water Management. Prepared for CSD, Committee for Sustainable Development, UN. 2 p.
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23. \*Järvinen R. & Katko T. Customer-oriented water services. Proceedings of the 4th Finnish Conference of Environmental Sciences. TUT, IWE. 21-22.5.1999. pp. 332-335. Reprinted in: *Institutional Development Research Network News*. No. 9, Sept. 1999. pp. 13-16.
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27. \*Pietilä P. & Katko T. 2002. Municipal water utilities have a future. *12<sup>th</sup> European Water Symposium: New Approaches in Wastewater and Water*. Munich, Germany. 13.-15.5.2002. 8 p.
28. \*Hukka J.J., Katko T.S. & Seppälä O.T. 2002. Public-private partnerships – the paramount change in the public services paradigm? *IWA World Congress*, Melbourne, Australia. Oct, 2002.
29. \*Pietilä, P.E., Hukka, J.J., Katko, T.S. & Seppälä, O.T. Public-private partnerships – small and large. 13th European Water Symposium. Munich, 25-27 April 2005. 10 p.
30. Hukka, J.J.\*, Katko, T.S., Seppälä, O.T. & Ryyänänen, A. Visionary Processes for Viable Public Water Services. Foresight Management in Corporations and Public Organisations – New Visions for Sustainability. International Conference, June 9-10, 2005, Helsinki, Finland. 11 p.
31. \*Katko T. & Juuti S. 2005. Evolution of water services in Europe from 1800 to 2004. Theme E: Water and health. 4th IWHA Congress. Water and Civilization. Session 22. Paris, France. 1-4.12. 2005. 16 p.
32. Juuti P.S., Katko T.S. & \*Vuorinen H.S. 2006. Environmental History of Water: Global View of Community Water Supply and Sanitation. pp. 631-636. In: Angelakis A. N. & Koutsoyiannis D. (Eds.) 1st IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations. Symposium Preprint Book. National Foundation for Agricultural Research, Iraklio, Greece, October 2006.
33. Katko T.S.\*, Hukka J.J., Pekka E. Pietilä P.E. & Seppälä O.T. 2008. Qualified professionals are a must for sustainable water management. Poster article. XIIIth World Water Congress, 1-4 Sept, 2008. Montpellier, France. (poster article). 12 p.
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35. Katko T. 2013. Multi-level governance of water services in Finland. ASEAN Water Forum - Promoting Sustainable Investment. 17th Oct, 2013, Ho Chi Minh City / Saigon, Vietnam. (paper; invited). 10 p.
36. \* Hukka, J.J., Katko, T.S. and Pietilä, P.E. 2016. (Presented) Water is a human right, but the services are not. Working Group: Deliberative and responsive alternatives in natural resources governance. Making Alternatives Visible: Resisting and Reshaping the Mainstream. Development Day Conference 2016. 11-12 February 2016, University of Helsinki, Finland.
37. Katko\* T.S. & Hukka J.J. 2016. Institutional Development is the Key for Sustainable Water Services in the Built Environment. CIB World Building Congress 2016. May 30-June 3, 2016. Tampere, Finland. Proceedings of the 20th CIB World Building Congress - Intelligent Built Environment for Life. Vol. 4: 419-430. [http://www.irbnet.de/daten/iconda/CIB\\_DC29463.pdf](http://www.irbnet.de/daten/iconda/CIB_DC29463.pdf)
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39. Pietilä P., Arvonen V. & Katko T. 2016. Role of Water Cooperatives in Water Service Production - Lessons from Finland and Denmark. Proceedings of the 20th CIB World Building Congress 2016: May 30 – June 3, 2016 Tampere Finland. pp. 1152-1161. In: Achour N. (ed.) Proceedings of the 20th CIB World Building Congress - Intelligent Built Environment for Life. Tampere University of Technology. Vol. V: 1152-1161. [http://www.irbnet.de/daten/iconda/CIB\\_DC29457.pdf](http://www.irbnet.de/daten/iconda/CIB_DC29457.pdf)
40. Katko T., Hukka J. & Juuti P. Strategic thinking needed for tackling the challenge of aging water services infrastructure. LESAM 2017 June 20-22 Trondheim (IWA). (paper available to participants).
41. Hukka, J.J., Mattila, H.E. & Katko, T.S. 2018. The Quest for SDG6 and Community Water Services Resilience – Factor 3? IWA World Congress & Exhibition. 16-21 September. Tokyo, Japan.
42. Rajala R.P., Angelakis A.N., Juuti P.S.\*, Katko T.S., Nikolaidis C., Vuorinen H.S. & Zhang J. History of Water and Life Expectancy. The 5th IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations: Evolution of Technologies from Prehistory to Modern Times; the Dead Sea, Jordan from September 11th to 13th, 2019. (paper available to participants).

## B NON- REFEREED ARTICLES (54)

### B1 Non-refereed journal articles (19)

<sup>13</sup> ESSH = European Social Science History

<sup>14</sup> SHOT =Society for the History of Technology



**Non-peer reviewed international articles (3)**

1. K Hukka J. & Katko T. 2004. "Liberalisation of water sector"- a way to market economy or to monopoly market? *Water & Wastewater International*. Vol. 19, Issue 9. pp. 23-25.
2. Katko T.S., Arvonen V. & Pietilä P. 2017. Hợp tác xã cấp nước (Vesiosuuskunta sosiaalisena innovaationa /Water cooperative as a social innovation). pp. 347-352. In: Những sáng kiến Phần Lan - lý do Phần Lan phát triển như ngày nay (Sata innovaatiota Suomesta - kuinka Suomesta tuli Suomi - poliittisia, sosiaalisia ja arkipäivän keksintöjä). 454 p. Kustantaja/Publisher Nhà xuất bản Trẻ.
3. Katko T.S. 2018. Finland's Water Services: Looking to its Past to Figure Out its Future. *Water and Wastewater International*. 33, 1. <https://www.waterworld.com/articles/wwi/print/volume-33/issue-1/technology-case-studies/finland-s-water-services.html>

**International book reviews (requested) (11) (reviewed normally by editors)**

1. Katko T. 1993. Book review: New insight to institution design: the international example of irrigation systems managed by farmers. (Elinor Ostrom, Crafting institutions for self-governing irrigation systems). *Hallinnon Tutkimus* 20. 2/1993. s. 151-152.
2. Katko T. 2001. Book review: The political economy of water pricing reforms. (Ariel Dinar, ed. 2000). *Natural Resources Forum*. UN. Vol. 25, pp. 258-259.(U.S.A).
3. Katko T. 2001. Book review: The sanitary city. (Martin V. Melosi 2000). *European Water Management*. Vol. 4, no. 4. pp. 18. (The Netherlands).
4. Katko T.S. 2002. Book review: Water for food and rural development. Approaches and initiatives in South Asia. Sage Publications. (Peter P. Mollinga, ed. 2000). *Futures*. pp. 681-684.(U.K.)
5. Katko T. 2003. Book review: Blue Gold. The Battle against Corporate Theft of the World's Water. Earthscan Publications Ltd. London. 278 p. (Maude Barlow & Tony Clarke 2002). *Natural Resources Forum*. UN. Vol. 27, no. 3. pp. 250-251.
6. Katko T. 2009. Book review: Globalization of Water: Sharing the Planet's Freshwater Resources. Blackwell Publishing. (Arjen Hoekstra & Ashok Chapagain, December 2007). *Environmental Values*. Vol 18, no. 2. pp. 239-241.
7. Katko T. 2009. Book review: Total Water Management: Practices for a Sustainable Future. AWWA. (Neil S. Grigg, 2008). *Water Alternatives*. Vol. 2, no. 2, 289-290. [www.water-alternatives.org/index.php?option=com\\_content&task=view&id=82&Itemid=1](http://www.water-alternatives.org/index.php?option=com_content&task=view&id=82&Itemid=1)
8. Katko T. 2010. Book Review: Stephen Graham (Ed.) Disrupted Cities: When Infrastructure Fails New York, NY: Routledge. *Public Works Management & Policy*. Vol. 14: 392-393.
9. Katko T. 2014. Book Review: Water, Christianity and the Rise of Capitalism. I. Tauris. 2013. By Terje Ostigaard. *Water Alternatives*. Vol. 7, no. 1, 273-274 <http://www.water-alternatives.org/index.php/alldoc/articles/vol7/v7issue1/246-b7-1-2/file>
10. Katko T. 2016. Endorsement (p. v). Integrated Water Resources Management. An Interdisciplinary Approach. Palgrave/Macmillan. 497 p.
11. Katko T. & Rajala R. Time for Customer Orientation in Water Utilities. (Prevos, P. 2018. Customer experience management for water utilities. Marketing urban water supply). *Public Works Management & Policy*. <https://doi.org/10.1177/1087724X18820014> First Published January 2, 2019

**National book reviews (5)**

1. Katko T. 2000. Rakentajat edelläkävijöinä (Civil engineers as pioneers). *Rakennuslehti* 7.12.1999. Nro. 39. The fifth estate by Karl-Erik Michelsen, 1999. TEK.
2. Katko T. Puhdas vesi kuuluu kaikille (Clean water belongs to everyone). Kirja-arvostelu. Water wars: privatization, pollution and profit. By Shiva V., 2002. *Aamulehti*. 27.12.2003.
3. Katko T. 2004. Vesihuollon käsikirja osa II – järkäle, jota odotettiin pitkään (Handbook on water supply and sanitation II. – a long-awaited tome). *Rakennustekniikka*. Vol. 60, no. 3. pp. 65.
4. Katko T. 2017. Kirja-arviointi. Kuinka vesiensuojelu saatiin pääosin kuntoon? Hallanaro E-L., Santala E. & Vienonen S. (toim.) Vesien vuoksi. Suomalaisen vesiensuojelun vaiheita. Vesiyhdistys ry. *Vesitalous*. Vol. 58, no. 4. pp. 46-47. (in Finnish) <https://www.vesitalous.fi/vesitalous-lehdet/arkisto/2017/>
5. Katko T.S. 2018. Yliopistomme vaarassa hukkaa byrokraatiaan. Pekka Kauppi. Kahlittu yliopistomme. Miten vapaudumme byrokraatiasta ja opetuksen ylenkatsomisesta. Into Kustannus Oy. 2017. Kirja-arviointi. *Tiedepolitiikka*. Vol. 43. no. 1. pp. 58-60 (in Finnish) [http://www.tiedeliitto.net/tiedepolitiikka\\_lehti/tp1\\_18.htm](http://www.tiedeliitto.net/tiedepolitiikka_lehti/tp1_18.htm)

**B3 Non-refereed conference proceedings (35)****Papers in E-conferences (1)**

1. Katko T. 2004. Libraries and Fahrenheit 451: does knowledge age or accumulate? E-conference Knowledge Management: Worth the effort?! From 20 Sept to 15 Oct 2004, Organised by IRC. <http://www.irc.nl/page/13942>

**Articles in int. conference proceedings including posters (33)**

Since 1984 to 2004 (21 pcs)

22. Pietilä, P.E., Hukka, J.J., Katko, T.S. & Seppälä, O.T. Public-private partnerships – small and large. 13th European Water Symposium. Munich, 25-27 April 2005. 10 p.
23. Hukka, J.J.\*, Katko, T.S., Seppälä, O.T. & Ryyänen, A. *Visionary Processes for Viable Public Water Services*. Foresight Management in Corporations and Public Organisations – New Visions for Sustainability. International Conference, June 9-10, 2005, Helsinki, Finland. 11 p.
24. \*Katko T. & Juuti S. 2005. Evolution of water services in Europe from 1800 to 2004. Theme E: Water and health. 4th IWHA Congress. Water and Civilization. Session 22. Paris, France. 1-4.12. 2005. 16 p.
25. Juuti P. & Katko T.S. 2006. History of toilets – a global view. 2<sup>nd</sup> International Dry Toilet Conference. Aug 16-19, 2006. Tampere University of Applied Studies. Tampere, Finland. (poster, extended abstract).

26. Katko T.S.\*, Hukka J.J., Pekka E. Pietilä P.E. & Seppälä O.T. 2008. Qualified professionals are a must for sustainable water management. Poster article. XIIIth World Water Congress, 1-4 Sept, 2008. Montpellier, France. (poster and poster article 12 p.).
27. Katko, T.\*, Juuti P., Rajala R. 2010. Strategic management of water services in Tampere city and industrial water services, 1835-2010. Reusing the Industrial Past. ICOHTEC/TICCIH/Worklab joint conference. 10-15 August, Tampere, Finland. (abstract) (pph)
28. Inha\*, L., Paavilainen, P., Pietilä, P. & Katko, T. 2010. Requirements for rainfall retention and storage in cold climate In: Steusloff, H. (Ed.): Conference Proceedings. IWRM Integrated Water Resources Management, 24-25 November 2010, Karlsruhe, Germany. Session 4.3. Flood Water Management. 7 p. KIT Scientific Publishing.
29. Hukka J.J. & Katko T.S. 2014. Appropriate Pricing is a Must for Sustainable Water Services. AWWA 2014 Sustainable Water Management Conference, March 30 - April 2, 2014, Denver, USA. (ppt+paper, 10 p.)
30. Mashauri D.A., Katko T.S. & Pietilä P.E. 2015. Scarcity of Water Engineers and Technicians in The South: A Precursor of not Meeting Sustainable Development. SANORD 2015 Conference 30 November -03 December. Windhoek, Namibia. (ppt+paper 10 p.)
31. Katko T. IWA Brisbane T.S. Katko\*T.S. & Juuti P.S. 2016. Customer- and Citizen-Oriented Water Services (as Part of Utility Core Activities). IWA World Water Congress & Exhibition 2016 at Brisbane, Queensland, Australia. 8-15 Oct 2016. (poster)
32. Katko T.S. & Juuti P.S. 2017. Indispensable water services for sustainable development. Int. Conf. on Mobilizing UNESCO Chairs in Natural Sciences for policy action towards 2030 on the occasion of 25th Ann. of UNITWIN/UNESCO Chairs programme. 5-7 July 2017, Geneva (Poster, not attended)
33. Katko T.S.\*, Angelakis A.N., P. Juuti P. & Rajala R. 2019. Long-term strategies of water services focusing on three modern cases. The 5th IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations: Evolution of Technologies from Prehistory to Modern Times; the Dead Sea, Jordan from September 11th to 13th, 2019.

#### Other articles (1)

1. Katko T.S. 2013. Kokonaisvaltainen vesivarojen hallinta Laosin vesihallinnossa. Väitöskkuna. [Sari Jusi: Implementation of integrated water resources management (IWRM) approach in water resources development and management of Lao PDR: the cases of hydropower and irrigation, Acta Universitatis Tamperensis 1820, Tampere, 2013. (158 s. ja artikkelit) *Alue ja ympäristö*. 42, 2: 88–89. <https://aluejaymparisto.journal.fi/article/view/64793>

### C SCIENTIFIC BOOKS (37)

#### C1 Book (25)

##### International (9)

1. Katko T. 1992. The development of water supply associations in Finland and its significance for developing countries. The World Bank, Water supply and sanitation division. Discussion paper no. 8. 57 p. (Resume, Extracto).
2. Katko T. 1997. Water! - Evolution of water supply and sanitation in Finland from the mid-1800s to 2000. FIWA<sup>15</sup>. 102 p. (Abel Wolman Award, APWA<sup>16</sup>, U.S.A 1998). <[www.vvy.fi/eng/water.htm](http://www.vvy.fi/eng/water.htm)><sup>17</sup>
- 3.<sup>18</sup> Hukka J. & Katko T. 2003. Water privatisation revisited – panacea or pancake? IRC Occasional Paper Series No. 33. Delft, the Netherlands. 179 p. Available: <http://www.ircwash.org/resources/water-privatisation-revisited-panacea-or-pancake>
4. Juuti P. & Katko T. 2004. From a Few to All: long-term development of water and environmental services in Finland. KehraMedia Inc. 176 p. [http://tampub.uta.fi/index.php?Aihealue\\_id=20](http://tampub.uta.fi/index.php?Aihealue_id=20)<sup>19</sup>
5. Pietilä P.E., Hukka J.J., Katko T.S. & Seppälä O.T. 2006. Water services in Finland: Flexible organizational arrangements and competition for non-core operations. UNRISD<sup>20</sup> research project: Universal access to water: are there limits to commodification of a basic need. [www.unrisd.org/80256B3C005BCCF9/httpNet/TFramePDF?ReadForm&parentunid=853006C74AB95995C1256F270059FEDA&parentdoctype=paper&netitpath=80256B3C005BCCF9/\(httpAuxPages\)/853006C74AB95995C1256F270059FEDA/\\$file/Pietila.pdf](http://www.unrisd.org/80256B3C005BCCF9/httpNet/TFramePDF?ReadForm&parentunid=853006C74AB95995C1256F270059FEDA&parentdoctype=paper&netitpath=80256B3C005BCCF9/(httpAuxPages)/853006C74AB95995C1256F270059FEDA/$file/Pietila.pdf)
6. Juuti P., Katko T., Mäki H., Nyanchaga E.N., Rautanen S.L & Vuorinen H. 2007. Governance in Water Sector : Comparing development in Kenya, Nepal, South Africa and Finland. Tampere University Press, ePublications 2007. <https://tampub.uta.fi/handle/10024/65777>
7. Katko T. & Juuti S. 2007. Watering the city of Tampere from the mid-1800s to the 21st century. Tampere Water & International Water History Association. 77 p. <https://tampub.uta.fi/handle/10024/65709><sup>21</sup>
8. Juuti P., Katko T. & Rajala R. 2008. Water: a Matter of Life - Long-term strategic thinking in water services. 193 p. KehraMedia Inc. [tampub.uta.fi/tulos.php?tiedot=214](http://tampub.uta.fi/tulos.php?tiedot=214)<sup>22</sup>

<sup>15</sup> FIWA = Finnish Water and Waste Water Works Association

<sup>16</sup> APWA = American Public Works Association

<sup>17</sup> Reviewed: Scandinavian Economic History Review. 8, 2. 1999. (H. Seegel); Environmental History. Oct 1999, 4: 596-597. (Martin V. Melosi); Newsletter, AEEESP. Sept. 2000, 35, 3: pp. 13. (David B. Hendricks); Industrial Archeology. 2001, 27, 1: 52. (Nancy Farm Mannikko).

<sup>18</sup> Course book: Graduate class in public administration and in natural resources policy. Environmental and Natural Resources Policy Northern Arizona University

<sup>19</sup> Reviewed: Tekniikan Waiheita 4/2004 (T.Herranen); Water International. 2004. 29, 4 (Faisal A. Butt); Environmental History. 10, 2. 2005. (Hilde Ibsen); H-NET book review. H-Environment@h-net.msu.edu (August 2005 (Christer Nordlund); Scandinavian Journal of History. 31, 1, March 2006 (Jonas Hallström); Industrial Archeology. 32, 2, 2006 (2008) (Nancy Farm Mannikko)

<sup>20</sup> UNRISD = The United Nations Research Institute for Social Development

<sup>21</sup> "Highly commended" by the IWA PR Award 2008; Category: Best popular presentation of water science. Announced in Vienna Sept 2008. Reviewed in: *Ympäristö ja terveys*. 6/2007

<sup>22</sup> Reviewed in: *Ympäristö ja terveys*. 3/2009

9. Katko T. S. 2016. Finnish Water Services – Experiences in Global Perspective. Finnish Water Utilities Association. 288 p. [www.finnishwaterservices.fi](http://www.finnishwaterservices.fi) Co-published E-book by IWA Publ 2017. <sup>23</sup> <https://www.iwapublishing.com/books/finnish-water-services-experiences-global-perspective>

#### National (16)

1. Katko T. 1996. Vettä! - Suomen vesihuollon kehitys kaupungeissa ja maaseudulla (Water! - Evolution of urban and rural water supply and sanitation in Finland). FIWA. 416 p. (in Finnish). Reviewed by: Rakennuslehti Dec 96; Tekniikan Akateemiset 9/96; Vesitalous Vol. 37, no. 6. Rakennustaito 3/1997.<sup>24</sup>
2. Juuti P. & Katko T. 1998. Ernomane vesitehdas - Tampereen vesilaitos 1835-1998 ( Marvellous water factory - Tampere Water Works 1835-1998. Tampere City Water Works. (In Finnish, Summary in English and Swedish). 307 p. [tampub.uta.fi/handle/10024/66324](http://tampub.uta.fi/handle/10024/66324)<sup>25</sup>
3. Hukka J. & Katko T. 1999. Vesihuollon yksityistäminen? (Privatisation of water services). The Foundation for Municipal Development. Publ. No. 19. 95 p. (In Finnish, summary in English).<sup>26</sup> <http://www.kaks.fi/sites/default/files/Tutkimusjulkaisu%2019.pdf>
4. Juuti P., Rajala R. & Katko T. 2000. Terveiden ja ympäristön tähden – Hämeenlinnan vesilaitos 1910-2000 (For the sake of health and environment – Hämeenlinna water works 1910-2000). 216 p. (In Finnish, Summary in Swedish and English). [urn.fi/URN:ISBN:978-951-44-8923-5](http://urn.fi/URN:ISBN:978-951-44-8923-5)<sup>27</sup>
5. Juuti P., Äikäs K. & Katko T. 2003. Luonnollisesti vettä. Kangasalan vesilaitos 1952-2002 (Water naturally. Kangasala water utility 1952-2002). 201 p. (In Finnish, Summary in English).<sup>28</sup>
6. Juuti P., Rajala R. & Katko T. 2003. Aqua Borgoensis: Lähteet kertovat- Källorna berättar (Sources telling us). Porvoo water works 1913-2003. (In Finnish and Swedish, Summary in English). 467 p. [tampub.uta.fi/handle/10024/66325](http://tampub.uta.fi/handle/10024/66325)<sup>29</sup>
7. Juuti P. & Katko T. 2006. Vaasan Vedet. Vasa och dess Vatten. Vesihuoltoa ympäristön ja yhteiskunnan ehdoilla 1800-luvulta tulevaisuuteen. Vattenförsörjning på miljös och samhällets villkor från 1800-talet in in framtiden. 530 p. (In Finnish and Swedish, Summary in English). Available: [tampub.uta.fi/index.php?tiedot=132](http://tampub.uta.fi/index.php?tiedot=132)<sup>30</sup>
8. Hukka J. & Katko T. 2007. Vesihuollon haavoittuvuus (Vulnerability of water services infrastructure). Foundation for Municipal Development. Publ. No. 58. (In Finnish). 148 p. <http://www.kaks.fi/sites/default/files/Tutkimusjulkaisu%2058.pdf><sup>31</sup>
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<sup>24</sup> FIWA, Golden Award No. 61: Reviewed in: Tekniikan Akateemiset 9/96; Vesitalous 6/1996; Rakennustaito 3/17; Tekniikka & Talous 6.3.1997; Keskisuomalainen 1.12.1996; Helsingin Sanomat 2.12.1996; Ympäristö ja Terveys-lehti 1/1997; Kehitys 1/98; Natura 1/1998

<sup>25</sup> Reviewed in: Vilkku 2/1998; Ympäristö & Terveys-lehti 9-10/1998; Historiallinen aikakauskirja 1/1999;

<sup>26</sup> Reviewed in: Ympäristö & Terveys-lehti 1/2000; Keskisuomalainen 7.10.2001; Kuntalehti 5/2000; Waternet 3/2001; Studia Media 7.2.2001; Kunta ja Me 13/2001;

<sup>27</sup> Reviewed in: Borgåbladet 8.11.2003; Uusimaa 7.12.2003; Ympäristö & Terveys-lehti 1:2001

<sup>28</sup> Reviewed in: Kangasalan Sanomat 25.3.2003; Itä-Pirkanmaa 4/2003;

<sup>29</sup> Reviewed in: Ympäristö & Terveys-lehti 1/2004; Vesitalous 1/2004

<sup>30</sup> Reviewed in: Merituuli 1/2007; Vesitalous 1/2007; Ympäristö & Terveys-lehti 3/2007

<sup>31</sup> Reviewed in: Polemiikki 2/2007

<sup>32</sup> Reviewed in: Keski-Uusimaa 13.10.2007; Ympäristö & Terveys-lehti 10/2007; Rakennustekniikka 2/2008

<sup>33</sup> Reviewed in: Ympäristö & Terveys-lehti 1-2/2010

<sup>34</sup> Reviewed in: Ympäristö & Terveys-lehti 10/2010

<sup>35</sup> Reviewed in: Ympäristö & Terveys-lehti 10/2010

<sup>36</sup> Reviewed in: Ympäristö & Terveys-lehti 10/2010

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15. Katko T.S. 2013. Hanaa! Suomen vesihuolto: kehitys ja yhteiskunnallinen merkitys. *Svenskt sammandrag: Fullt ös! utvecklingen av vatten- och avloppsvattentjänsterna i Finland samt deras samhällsliga betydelse* (Water services evolution and social import in Finland). Suomen Vesilaitosyhdistys ry (Finnish Water Utilities Association). 501 p. <https://vvy.etapahtuma.fi/J%C3%A4rjest%C3%B6rekisteri/Verkkokauppa2><sup>37</sup>
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17. Katko T. Hukka J, Juuti P., Pietilä P. & Rajala R. (under process). Yliopistojen kansainvälistymiseen kokemusta ja konkretiaa - tapauksena vesi- ja ympäristötekniikka, Tampereen teknillinen yliopisto.

## C2 Edited book, conference proceedings and special issue of a journal (12)

### Edited International Books (5)

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2. Juuti P.S., Katko T.S. & Vuorinen H.S. (Eds.) 2007. Environmental History of Water - Global views on community water supply and sanitation. IWA Publishing. 629 p. <http://www.iwapublishing.com/template.cfm?name=isbn1843391104>.<sup>41</sup>
3. Hynynen A., Juuti P. & Katko T.S. (Eds) 2011. Water fountains in the cityscape. Public Works Historical Society. Essay Series no. 30. 76 p. [www2.apwa.net/bookstore/searchres.asp?Keyword=fountains](http://www2.apwa.net/bookstore/searchres.asp?Keyword=fountains)
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### Special issue of a journal (1)

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2. Katko T. 1987. Comparison of four Nordic-supported rural water supply projects in Tanzania. TUT, IWEE. A 34. 154 p. (2nd part of the licentiate's thesis).
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<sup>37</sup> Reviewed in: Vesitalous 3/2013; Aikalainen. 14.6.2013; Suomen Akatemia. Tietysti.fi. 7.8.2013; Talouselämä 9.8.2013; Talouselämä 13.8.2013, nettiversio; Ympäristö ja Terveys-lehti 5/2013, Tiede-lehti Elokuu 2013, Rakennettu ympäristö 5/13, Natura 4/2013; Motiivi 11/2013; Aktiivi 3/2013; Polemiikki 5/2013; Alue ja Ympäristö 2/2013; Tekniikan Waiheita 4/2013; Ympäristö 6/2013; Maaseudun Tulevaisuus 10.1.2014; Viherympäristö 1 /2014; Rakennuslehti 23.5.2014; Suomen Sotilas 5/2014; Geologi 4/2014; Tekniikan Maaailma 29/2014

<sup>38</sup> Reviewed in: Ympäristö & Terveys-lehti 1/2018; Vesitalous 2/2018

<sup>39</sup> Course book: Oxford University Centre for the Environment. International Graduate School. MSc Water Science Policy and Management. Module: Institutional Governance and Regulation. University of Alabama, School of Law, Environmental Law. Course book: School of Human Environmental Science. Graduate School of Humanities and Sciences, Ochanomizu University, Tokyo, Japan. York University, Graduate Program in History 2007-2008.

<sup>40</sup> "Highly commended" by the IWA PR Award 2006; Category: Best popular presentation of water science. Announced in Beijing Sept 2006; Reviewed in: Circulation 1/2006; Journal of Environmental Quality April 26, 2006; International Journal of Environment and Pollution 1-3, 2007; Environmental History July 2006; Urban Water Journal 2/2006; Natural Resources Forum 2006; Environmental Values 2/2007; Futures 2007; Industrial Archeology 1/2006; Journal of Urban Technology April 2007

<sup>41</sup> Reviewed in: ASCE Civil Engineering, May 2007; H<sub>2</sub>O. 17/ 2007; Natural Resources Forum 2008; Water Alternatives 1/2008; Vatten 3/2008; Scandinavian History of Economic Review. 1/2009.

<sup>42</sup> Reviewed in: Rajapinta 2/2012; Ympäristö & Terveys-lehti 4/2012; The WaterWheel Se/Oct 2012. 11; Rakennuslehti 19.4.2012; Kuntatekniikka 4/2012; Vesitalous 3/2012; TUT: Interface 1/2012; Water Alternatives Oct 2012; JAWWA Oct 2012; Yhdyskuntasuunnittelu / The Finnish Journal of Urban Studies 2012:3; Public Works Management & Policy Jan 2013; AEEP Newsletter Jan 2014.

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2. Katko T. (confidential) 1995. . Pakatun lähdeveden myynti - esiselvitys (Packed spring water business - a preliminary study). 12 p. + app. 25.1.1995. (In Finnish)
3. Katko T. 2002. Arvio erään vesilaitoksen omistajastrategiaselvityksestä (Review of the ownership strategy paper of one water utility. Confidential. 26 p.
4. Katko. nimetön
5. Katko T. 2018. Kommentointi erälle vesihuoltolaitokselle konsulttiselvityksestä teknisten palveluiden kehittämisestä. Joulukuu 2018.

### **E PUBLICATIONS INTENDED FOR THE GENERAL PUBLIC (50)**

#### **E1 Popularised article, newspaper article (50)**

##### Newspaper article (50)

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2. Katko T. 1985. 3rd African cross-country skiing championships. TUT news 2/1985.
3. Katko T. & Viitasaari M. 1989. Onko kehitysyhteistyömme tehotonta vai ylitsehuokasta? (Is our development cooperation inefficient or overefficient?) *Helsingin Sanomat*. Expert page. 2.1.1989.
4. Hukka J. & Katko T. 1990. Itsehallinnosta apu, kun keskushallinto ei jaksa? (Self-governance helps, when centralized administration suffocates? *Anturi* 2/1990.
5. Katko T. 1991. Kuluttaja maksaa vedestä kehitysmaissakin -"Ilmaista" vettä saa vain pieni osa, köyhät maksavat vedenmyyjille kalliisti (Consumers pay for water also in developing countries - "free" water available only to a few, the poor pay a lot to vendors). *Aamulehti*. Expert page. 16.11.1991.
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## F PUBLIC ARTISTIC AND DESIGN ACTIVITIES (2)

1. Katko T.S. 2013. Kple 18: Epologi Hanaa! (runomuodossa). Teoksessa: Katko T. 2013. Hanaa! see C.
2. Katko T. 2016. Ch 20 Poetic Epilogue –Keep Services Rolling! pp. 266-267. In: Katko 2016. Finnish Water Services – Experiences in Global Perspective. See C.

## G THESES (3)

### G2 Master's thesis

Katko T. 1978. Rumpusiivilä kunnallisen jäteveden esikäsitelyssä (Drum screen in the pretreatment of municipal sewage). TUT, Dept. of civil engineering. MSc thesis. 145 p. (In Finnish, Abstract in English).

### **G3 Licentiate thesis**

Katko T. 1987. A synthesis for the development of rural water supply in developing countries with emphasis on Nordic support in Tanzania. TUT, Dept. of civil engineering. Licentiate's thesis. 2.12.1987. 250 p.

### **G5 Doctoral dissertation (article)**

Katko T. 1991. Paying for water in developing countries. TUT doctoral dissertation no. 74. 240 p. (Resume, Tiivistelmä).

**I** Katko T. 1986. Major constraints in water supply in developing countries. *Aqua Fennica*. Vol. 16, no. 2. pp. 231-244.

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**III** Katko T. 1988. Pricing of water services in Finland and some other developed countries. *Aqua Fennica*. Vol. 18, no. 1. pp. 61-74.

**IV** Katko T. 1990. Cost recovery in water supply in developing countries. *Int. J. of Water Resources Development*. Butterworths. Vol. 6, no. 2. pp. 86-94.

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