JULKAISULUETTELO/ LIST OF PUBLICATIONS



Tapio S. KATKO Senior Visting Expert, Docent, Associate Professor
c/o Tampere University (TAU) CADWES: www.cadwes.com
Total no. 658
peer reviewed 297 (A+C+ part of D+ F+G)
Research Gate: https://www.researchgate.net/profile/Tapio_Katko
Linkedin https://www.linkedin.com/in/tapio-katko-4b6539a/

A PEER REVIEW SCIENTIFIC ARTICLES (244)

A1. Scientific peer review articles (129)

International journal papers (99)

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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., Ryynänen 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. *J AWWA*. 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).
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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.S. 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. [Katko, Tapio S. 1993). Distribuer l'eau en milieu rural, mais comment?. Forum mondial de la santé 14(4): 460-464. https://apps.who.int/iris/handle/10665/51867
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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.
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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. https://journals.sagepub.com/doi/pdf/10.1177/1087724X0044005
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[5] VATT = Government Institute for Economic Research
[6] FFRC = Finnish Futures Research Center

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[8] * = speaker
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48. Hukka, J.J., Nyanchaga, E.N. and Katko, T.S. 2016. Integrated Urban Water Management, the Green Economy and Institutional Eco-Innovations. pp. 260-271 in: Saari, A. and Huovinen, P. (eds). 2016. Proceedings of the CIB World Building

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55. Katko T.S.*, Hukka J.J., Juuti P.S., Juuti R.P. 2022. Principles of sustainable water services systems and resilient organisations. IWA World Water Congress. Sept. 10–15, Copenhagen, Denmark. (poster)
56. Hukka J.J. & Katko* T.S. 2022. Building Sustainable Water Services: Subsidiarity, Multi-level Governance and Resilience Approach. IWA World Water Congress. Sept. 10–15, Copenhagen, Denmark.

B NON- REFEREED ARTICLES (58)

B1 Non-refereed journal articles (21)

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2. 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/international/utilities/article/16201300/finlands-water-services-looking-to-its-past-to-figure-out-its-future

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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*. 34. pp. 681-684.
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.
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11. Katko T. & Rajala R. 2019. Book Review: Time for Customer Orientation in Water Utilities. (Prevos, P. 2018. Customer experience management for water utilities. Marketing urban water supply). *Public Works Management & Policy.* Vol. 24, no. 2, pp. 228-230. https://doi.org/10.1177/1087724X18820014 First Published January 2, 2019
12. Katko, Tapio S. 2021. Book Review: Water resources of Italy: protection, use and control, edited by Giuseppe Rossi & Marcello Benedini. World Water Resources, Vol. 5. Springer, 2020. *IJ of Water Resources Development*. Published online: 05 Jul 2021 . https://doi.org/10.1080/07900627.2021.1935220

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1. Katko T. 1999. Insinöörikunnan perusta rakentajissa (Civil engineers as engineering pioneers). *Rakennuslehti* 2.12.1999. Nro. 39. Viides sääty (The fifth estate) By Karl-Erik Michelsen, 1999. TEK.
2. Katko T. 2003. 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.

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7. Katko T.S. 2023. Monipuolinen ja upea kirja Suomen järvistä. Leppäranta M., Arvola L., Huttula T. Suomalainen järvikirja. Minerva Kustannus Oy. 2021. Kirja-arviointi. *Alue ja ympäristö*. Vol. 51, no. 1. 2 p. (in Finnish)

B2 Book chapters

1. Katko T. 2026. Petri S. Juuti. ”Historian tutkijasta vesihuoltopalveluiden kehittäjäksi”. ss. 9-21. Teoksessa: Juuti R. P. (toim.) Vesi, yhteistyön voiteluaine. Petri Juutin 60-vuotisjuhlakirja. CADWES julkaisuja. https://www.cadwes.com/vesi-yhteistyon-voiteluaine/

B3 Non-refereed conference proceedings (36)

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 (20 pcs)

21. Pietilä P.E., Hukka J.J., Katko T.S. & Seppälä O.T. 2004. “Ontology” of water services. 4th IWA Congress. Morocco. 19-24 Sept, 2004. (poster)
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.
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34. Katko T.*, Juuti P., Kurki V., Pietilä P. & Rajala R. 2010. Diffusion of urban wastewater treatment in Finland. IWHA, Delft, June 16-20 (abstract)
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. printtaa
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. & Pietila 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.

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C1 Book (28)

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[15] APWA = American Public Works Association

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

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[19] UNRISD = The United Nations Research Institute for Social Development

[20] "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

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[22] Reviewed in: EurEau - Resources - News 16 Nov 2016; Vesitalous 2017, 1: 43-44 (P. Seuna); Ympäristö ja terveys. 1/2017: 31 (P. Forss); TEK 1/2017, 1:14 (K. Levander); USASUOMEKSI 8.3.2017; Talouselämä 13/2017 (M. Kankare); European Journal of Development Research May 2017 (K. Schwartz); Natural Resources Forum Aug 2017 (M. Brewster); Scandinavian Economic History Review May 2017 (G. O´Hara)¸ Academy of Finland, 31 Aug 2017 (O. Riitala); Locus 2017 (P. Virolainen); Water Economics and Policy 2017, 3, 4 (D. Sauri); Public Works Management and Policy Oct 2017 (R. Little), Futura 3/2017 (S. Heinonen & S. Zavialova); Maaseudun Uusi Aika 2/2017 (H. Mattila); World Futures Review 1/ 2018 (S. Heinonen & S. Zavialova), Water Alternatives Oct 2017 (B. Barraqué), Kehitys 2/2018 (T. Kirkas), Journal of Co-operative Organization and Management June 2018 (E. Castro); Australasian Journal of Environmental Management July 2018 (P. Prevos); The Finnish American Reporter, May 2018; Open Environmental Sciences 10/2018 (K. Persson; also in Bentham E-Books Bulletin July 9, 2018); Flux Dec 2018 (in French, B. Barraqué); Environment and Urbanization (Book note by the author) Jan 2019; EH.net Jan 2019 (V. Pál); Environmental Values 2019 (R. Pearce); Environmental Research & Technology 1/2019 (E. Adar & A. Demir); Water Utility Journal 2017 (H. Vangelis); Kansantaloudellinen Aikakauskirja 3/2018 (J. Honkatukia*);* Water Wheel 2019 (J. Tempellhoff); others forthcoming; Book reviews*:* http://www.cadwes.com/publications/books/finnish-water-services/

[23] Reviewed by: JCIP no 2/2025 (R. Little), Vesitalous 6/2025 (H. Mattila).

[24] FIWA, Golden Award No. 61: Reviewed in: *Rakennuslehti 12/96; 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

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4. Juuti P., Rajala R. & Katko T. 2000. Terveyden 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). https://trepo.tuni.fi/handle/10024/66326[28]
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16. Juuti P.S., Katko T.S. & Rajala R.P. 2017. Sata vuotta vesihuoltoa Suomessa (100 years of water services in Finland). TamPub. 288 s. http://urn.fi/URN:ISBN:978-952-03-0547-5 http://www.oapen.org/search?identifier=638651[40]
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[26] Reviewed in: Vilkku 2/1998; Ympäristö & Terveys-lehti 9-10/1998; Historiallinen aikakauskirja 1/1999;
[27] 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;
[28] Reviewed in: Borgåbladet 8.11.2003; Uusimaa 7.12.2003; Ympäristö & Terveys-lehti 1:2001
[29] Reviewed in: Kangasalan Sanomat 25.3.2003; Itä-Pirkanmaa 4/2003;
[30] Reviewed in: Ympäristö & Terveys-lehti 1/2004; Vesitalous 1/2004
[31] Reviewed in: Merituuli 1/2007; Vesitalous 1/2007; Ympäristö & Terveys-lehti 3/2007
[32] Reviewed in: Polemiikki 2/2007
[33] Reviewed in: Keski-Uusimaa 13.10.2007; Ympäristö & Terveys-lehti 10/2007; Rakennustekniikka 2/2008
[34] Reviewed in: Ympäristö & Terveys-lehti 1-2/2010
[35] Reviewed in: Ympäristö & Terveys-lehti 10/2010
[36] Reviewed in: Ympäristö & Terveys-lehti 10/2010
[37] Reviewed in: Ympäristö & Terveys-lehti 10/2010
[38] Reviewed in: Polemiikki 4/2010
[39] 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 Maailma 29/2014; MMM https://mmm.fi/vesi/vesihuolto_historia
[40] Reviewed in: Ympäristö & Terveys-lehti 1/2018; Vesitalous 2/2018
[41] Reviewed in: kulttuuri.fi 27.5.22; Kanava 5/2022; ViherYmpäristö 4/22; Vesitalous 4/2022; Hallinnon tutkimus 3/22; Osuustoiminnan talousmedia 29.8.2022; Tiedetoimittaja 22.9.2022; Focus Localis 3/22; Kuntatekniikka 5/22; Ympäristö ja Terveys-lehti 6/22; Tiedetoimittaja 22.9.2022; Lempäälän-Vesilahden Sanomat. 12.10.2022; Värme- och sanitetsteknikern 1/2023; Tiedepolitiikka. 48, 1:45–46. 2023; Alue ja ympäristö 52:1.

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2. Castro J.E. & Katko T.S. (Eds.) 2018. Challenges and opportunities facing water-service cooperatives: cases from Argentina and Finland. WATERLAT-GOBACIT Network Working Papers. Vol. 5, Nº 4.Thematic Area Series. Thematic Area 3 Urban Water Cycle and Essential Water Services. Newcastle upon Tyne, Tampere, and Buenos Aires. 111 p. (In English and Spanish) http://waterlat.org/working-papers-series/vol5/vol-5-no-4/

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1. Katko T. 1987. Technical and non-technical aspects of externally supported rural water supply projects in developing countries. TUT, IWEE. A 33. 112 p. (1st part of the licentiate´s thesis).
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).
3. Katko T. 1989. Development of rural water supply in Finland: possible lessons for the developing world? TUT, IWEE. B 37. 49 p.
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International professional journals (1)

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[42] 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.

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7. Hukka J.J, Katko T.S & Mashauri D.A. 1991. Shanty towns - Urban challenge for research and development cooperation in water and environmental engineering. *Finnish Civil Engineering & Construction Journal.* Vol. 47, no. 7. pp. 49-54.
8. Katko T. 1991. Vesihuoltoyhtymien tulevaisuuden näkymät (Views on the future of water supply associations). *Vesitalous.* Vol. 32, no. 4. pp. 24-29. (In Finnish, Abstract in English).
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