

Template for curriculum vitae + 10-year track record

CV – maximum 2 pages

Role in the project Centre director ☐ Group leader/Principal investigator ☒

Personal information

First name, Surname:	Franz Tscheikner-Gratl		
Date of birth:	06.05.1983	Sex:	M
Nationality:	Austrian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	ORCID: 0000-0002-2545-6683 , Researcher ID: AAT-5344-2020 , Scopus Author ID: 55814525500		
URL for personal website:	NTNU profile , Research Gate profile , LinkedIN profile , Google Scholar		

Education

Year	Faculty/department - University/institution - Country
2015	PhD Environmental Engineering - University of Innsbruck - Austria
2011	Diploma studies (=Master) Civil Engineering - University of Innsbruck - Austria

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2019-	Associate Professor – NTNU - Norway
2024-	Adjunct Associate Professor – OsloMet - Norway
2017-2018	Postdoctoral Researcher – TU Delft – The Netherlands
2016-2017	Postdoctoral Researcher – University of Innsbruck - Austria
2012-2015	PhD researcher – University of Innsbruck - Austria
2011-2012	Consultant - Ziviltechnikerkanzlei DI Matthias Philipp - Austria
2009-2011	Consultant - Dipl.-Ing. Dr. techn. Haller Michael - Austria

Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project owner - Project - Role - Funder
2026-2029	TalTech - NATURE THRIVES: NATURE-based urban water Transitions for Healthy, Resilient, Inclusive regional Scapes – WP leader - Driving Urban Transitions (DUT) Partnership

2025-2029	TalTech – PipeON: Robotics and AI for Sewer Pipe Inspection and Maintenance – WP leader – Horizon Europe
2022-2026	NTNU - LIFELINE-2050: Optimal Utilization of Resources towards Neutral Climate Built Environments in Europe by 2030-2050 – WP leader - NTNU
2024-2026	NTNU – COMPASS: Collaboration On Nature-based solutions Performance Assessment – Project coordinator - NFR
2021-2025	SINTEF - SESSILE: Serviceable, Environmentally reSponsible & Safe Integrating automated Legionella mitigation into potable building water system design – WP Co-lead - NFR
2020-2024	IWW - B-Watersmart - Accelerating Water Smartness in Coastal Europe – WP Co-lead – Horizon 2020

Supervision of students

(Total number of students)

Master's students	Ph.D. students	University/institution - Country
38	6 (4-co supervisor)	NTNU - Norway
1	0	OsloMet - Norway
2	0	University of Innsbruck - Austria

Other relevant professional experiences

(E.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2024-	Group coordinator – Urban Infrastructure/ NTNU TSO Civil security
2025-	Associate Editor – Urban water Journal
2018-	Secretary - Working Group Urban Drainage Asset Management / IWA/IAHR Joint Committee on Urban Drainage
2021-	Awards committee chair - IWA/IAHR Joint Committee on Urban Drainage

Publication statistics

Total number of publications: 2 books, 53 journal papers, 77 conference presentations

Total number of citations: 1461 (Google Scholar); 928 (Scopus)

H-index: 19 (Google Scholar); 16 (Scopus)

10-year track record – maximum 2 pages, starting at page 3

Selected Publications

1. Kerimov, B., Yang, M., Taormina, R., & Tscheikner-Gratl, F. (2025). State estimation in water distribution system via diffusion on the edge space. *Water Research*, 274, 122980. <https://doi.org/10.1016/j.watres.2024.122980>
2. Bahrami, M., Roghani, B., Tscheikner-Gratl, F., & Rokstad, M. M. (2024). A deep dive into green infrastructure failures using fault tree analysis. *Water Research*, 257, 121676. <https://doi.org/10.1016/j.watres.2024.121676>
3. Chen, S., Brokhausen, F., Wiesner, P., Hegyi, D., Citir, M., Huth, M., Park, S., Rabe, J., Thamsen, L., Tscheikner-Gratl, F., Castelletti, A., Thamsen, P. U., & Cominola, A. (2024). Coupled simulation of urban water networks and interconnected critical urban infrastructure systems: A systematic review and multi-sector research agenda. *Sustainable Cities and Society*, 104, 105283. <https://doi.org/10.1016/j.scs.2024.105283>
4. Daulat, S., Rokstad, M. M., Bruaset, S., Langeveld, J., & Tscheikner-Gratl, F. (2024). Evaluating the generalizability and transferability of water distribution deterioration models. *Reliability Engineering & System Safety*, 241, 109611. <https://doi.org/10.1016/j.ress.2023.109611>
5. Fugledalen, T., Rokstad, M. M., & Tscheikner-Gratl, F. (2021). On the influence of input data uncertainty on sewer deterioration models – a case study in Norway. *Structure and Infrastructure Engineering*, 19(8), 1064–1075. <https://doi.org/10.1080/15732479.2021.1998142>
6. Tscheikner-Gratl, F., Bellos, V., Schellart, A., Moreno-Rodenas, A., Muthusamy, M., Langeveld, J., Clemens, F., Benedetti, L., Rico-Ramirez, M. A., de Carvalho, R. F., Breuer, L., Shucksmith, J., Heuvelink, G. B. M., & Tait, S. (2019). Recent insights on uncertainties present in integrated catchment water quality modelling. *Water Research*, 150, 368–379. <https://doi.org/10.1016/j.watres.2018.11.079>
7. Tscheikner-Gratl, F., Caradot, N., Cherqui, F., Leitão, J. P., Ahmadi, M., Langeveld, J. G., Le Gat, Y., Scholten, L., Roghani, B., Rodríguez, J. P., Lepot, M., Stegeman, B., Heinrichsen, A., Kropp, I., Kerres, K., Almeida, M. do C., Bach, P. M., Moy de Vitry, M., Sá Marques, A., ... Clemens, F. (2019). Sewer asset management – state of the art and research needs. *Urban Water Journal*, 16(9), 662–675. <https://doi.org/10.1080/1573062X.2020.1713382>
8. Winkler, D., Haltmeier, M., Kleidorfer, M., Rauch, W., & Tscheikner-Gratl, F. (2018). Pipe failure modelling for water distribution networks using boosted decision trees. *Structure and Infrastructure Engineering*, 14(10), 1402–1411. <https://doi.org/10.1080/15732479.2018.1443145>
9. Tscheikner-Gratl, F., Zeisl, P., Kinzel, C., Leimgruber, J., Ertl, T., Rauch, W., & Kleidorfer, M. (2016). Lost in calibration: Why people still do not calibrate their models, and why they still should – a case study from urban drainage modelling. *Water Science and Technology*, 74(10), 2337–2348. <https://doi.org/10.2166/wst.2016.395>
10. Tscheikner-Gratl, F., Sitzenfrie, R., Rauch, W., & Kleidorfer, M. (2015). Integrated rehabilitation planning of urban infrastructure systems using a street section priority model. *Urban Water Journal*, 13(1), 28–40. <https://doi.org/10.1080/1573062X.2015.1057174>

Edited Books

1. Cherqui, F., Clemens-Meyer, F., Tscheikner-Gratl, F., & van Duin, B. (Eds.). (2024). *Asset Management of Urban Drainage Systems: If anything exciting happens, we've done it wrong!* IWA Publishing. <https://doi.org/10.2166/9781789063059>
2. Tscheikner-Gratl, F. (2016). *Integrated approach for multi-utility rehabilitation planning of urban water infrastructure: Focus on small and medium sized municipalities* (1st ed.). innsbruck university press.

Selected invited presentations

1. Tscheikner-Gratl, F. (2025). Only strings in the urban fabric? Integrated multi-infrastructure asset management from a water perspective. The 9th International Electronic Conference on Water Sciences: Recent Advances in Water Sciences under a Variable and Changing Environment, 2025-11-11 – 2025-11-14.
2. Tscheikner-Gratl, F. (2025). A growing field: urban drainage asset management – from grey to green (Keynote). Joint 6th International Conference on Water Economics, Statistics and Finance and 10th Leading Edge Conference for Strategic Asset Management (LESAM), Pafos/Cyprus, 2025-04-30.
3. Tscheikner-Gratl, F. (2024). Workshop: Operation, Maintenance and Rehabilitation Techniques. IWA World Water Congress & Exhibition 2024, Toronto/Canada, 2024-08-11 - 2024-08-15.
4. Tscheikner-Gratl, F. (2023). The challenges of digitalization for urban water systems. Digiajastu Vee-Ettevõtluse Strateegiline Kavandamine: Inspiratsiooniseminar, Tallinn/Estonia, 2023-01-16.
5. Tscheikner-Gratl, F. (2020). It came from the sewers – what about asset management? Norsk Vanns fagtreff 2020, Oslo/Norway, 2020-03-10 - 2020-03-11.
6. Tscheikner-Gratl, F. (2019). A QUICS view on uncertainty. WATERMATEX Workshop on Uncertainty analysis frameworks – Applications in urban water systems, Copenhagen/Denmark, 2019-09-01.

Organization of International Conferences and workshops

- EUROpean Sewer Asset Management workshops (EuroSAM) since 2018: 2018 in Innsbruck (Austria), 2019 in Delft (The Netherlands), 2021 online due to Covid, 2023 in Luleå (Sweden), 2024 in Sheffield (UK).
- 27th European Junior Scientists Workshop (EJSW), 05. – 11.10.2025 in S. Roque do Pico, Pico Island, Azores, Portugal
- 11th International Conference on Sewer Processes and Networks (SPN), 20. – 22.05.2026 in Trondheim, Norway.

Fellowships and Awards

- Eduard-Wallnöfer-Price of Appreciation of the Eduard-Wallnöfer-Foundation of the Tyrolean Industry (2013) for the Project REHAB - Integrated planning of rehabilitation strategies for urban infrastructure systems
- Award of Excellence of the Austrian Federal Ministry of Science, Research and Economy for PhD - Thesis: Integrated approach for multi-utility rehabilitation planning of urban water infrastructure – Focus on small and medium sized municipalities

Memberships of Scientific Societies

- IWA/IAHR Joint Committee on Urban Drainage (JCUD) since 2021
- Urban Drainage Asset Management (UDAM) of the IWA/IAHR Joint Committee on Urban Drainage since 2018