1 List of publications

Manny, L. (2023). Socio-technical challenges towards data-driven and integrated urban water management: A socio-technical network approach. Sustainable Cities and Society, 90, 104360. https://doi.org/10.1016/J.SCS.2022.104360

Manny, L. (2022) Socio-technical challenges towards smart urban water systems. Doctoral thesis, ETH Zurich, Zurich, Switzerland, https://doi.org/10.3929/ethz-b-000578852.

Manny, L. (2022) Socio-technical networks of urban water management, Sunbelt 2022, XLII Social Networks Conference of the International Network for Social Network Analysis, 12.07.-16.07.2022, Cairns (Australia) – Virtual.

Fischer, M., Ingold, K., Duygan, M., **Manny, L.**, & Pakizer, K. (2022) Actor networks in urban water governance. In T. Bolognesi, F. Silva Pinto, & M. Farrelly (Eds.), Routledge Handbook of Urban Water Governance (pp. 408): Routledge.

Manny, L., Angst, M., **Rieckermann, J., Fischer, M.** (2022) Socio-technical networks of infrastructure management, *Journal of Environmental Management, 318*, 115596, https://doi.org/10.1016/j.jenvman.2022.115596.

Manny, L., Duygan, M., **Fischer, M.**, **Rieckermann, J.** (2021) Barriers to the digital transformation of infrastructure sectors, *Policy Sciences, 54,* 943–983, https://doi.org/10.1007/s11077-021-09438-y

Manny, L., Angst, M., **Rieckermann, J., Fischer, M.** (2021) Socio-technical networks of infrastructure management, Networks 2021: A Joint Sunbelt and NetSci Conference, 05.07.-10.07.2021, Washington D.C. (US) – Virtual.

Manny, L., **Fischer, M.**, **Rieckermann, J.** (2020) Data-driven management of wastewater systems: A socio-technical network approach, European Consortium for Political Research (ECPR) General Conference, 24.-28.08.2020, Innsbruck (Austria) – Virtual.

Manny, L., **Fischer, M.**, **Rieckermann, J.** (2020) Barriers to the Digital Transformation of Urban Water Management in Switzerland – A Qualitative Comparative Analysis, Swiss Political Science Association Annual Conference, 04.02.-05.02.2020, Luzern.

Moy de Vitry, M., Schneider, M. Y., Wani, O., **Manny, L.**, Leitão, J. P., Eggimann, S. (2019) Smart urban water systems: what could possibly go wrong? *Environmental Research Letters* 14(8), doi:10.1088/1748-9326/ab3761.

Hoppe, Dittmer, Gruber, **Rieckermann** (2019) Datenbasierte Planungs-, Betriebs- und Vollzugskonzepte zur nachhaltigen Regenwasserbehandlung, Essener Tagung

Blumensaat, F., Leitão, J. P., Ort, C., **Rieckermann, J.**, Scheidegger, A., Vanrolleghem, P. A., Villez, K. (2019) How Urban Storm- and Wastewater Management Prepares for Emerging Opportunities and Threats: Digital Transformation, Ubiquitous Sensing, New Data Sources, and Beyond - A Horizon Scan, Environ. Sci. Technol., 53, 15, 8488-8498, https://doi.org/10.1021/acs.est.8b06481

Manny, L., **Fischer, M.**, Stauffer, P., **Rieckermann, J.** (2019) Saubere Gewässer dank Messdatenmanagement. Aqua & Gas 99(1): 58-65.

Manny, L., **Fischer, M.**, **Rieckermann, J.** (2018) Policy analysis for a better protection of receiving waters during wet weather, 11th International Conference on Urban Drainage Modelling (UDM 2018), 23.-26.09.2018, Palermo, Italy.

Manny, L., **Fischer, M.**, **Rieckermann, J.** (2018) Policy-Analyse für einen besseren Gewässerschutz bei Regenwetter, Aqua Urbanica, 18.06.-19.06.2018, Landau in der Pfalz, Deutschland.

All material on the POLAAR project (publications, conference papers, presentation slides) is available online: https://osf.io/3sebw/

2 Availability of data sets and code

As part of the POLAAR project (and earlier in 2017), we collected various data. The corresponding data sets are listed below:

Switzerland:

1. Survey of wastewater associations in 2017 (available internally at Eawag)

2. Interview data with cantonal agencies in 2017 (available internally at Eawag)

   Note: Interview data used in Publication 1 is provided there in anonymized form.

In three ARA catchment areas in the canton of Zurich:

3. Interview data from contextual interviews (confidential and non-anonymised as personal reference is important, available internally at Eawag)

4. Survey data for the creation of socio-technical networks (confidential and non-anonymised – available within Eawag, also available externally in anonymised form: https://doi.org/10.25678/0006HR and https://doi.org/10.25678/0007AC (the latter as soon as article 3 is published))

The R code for the respective data analyses is available here: https://doi.org/10.25678/0006HR and https://doi.org/10.25678/0007AC (the latter as soon as post 3 is published)