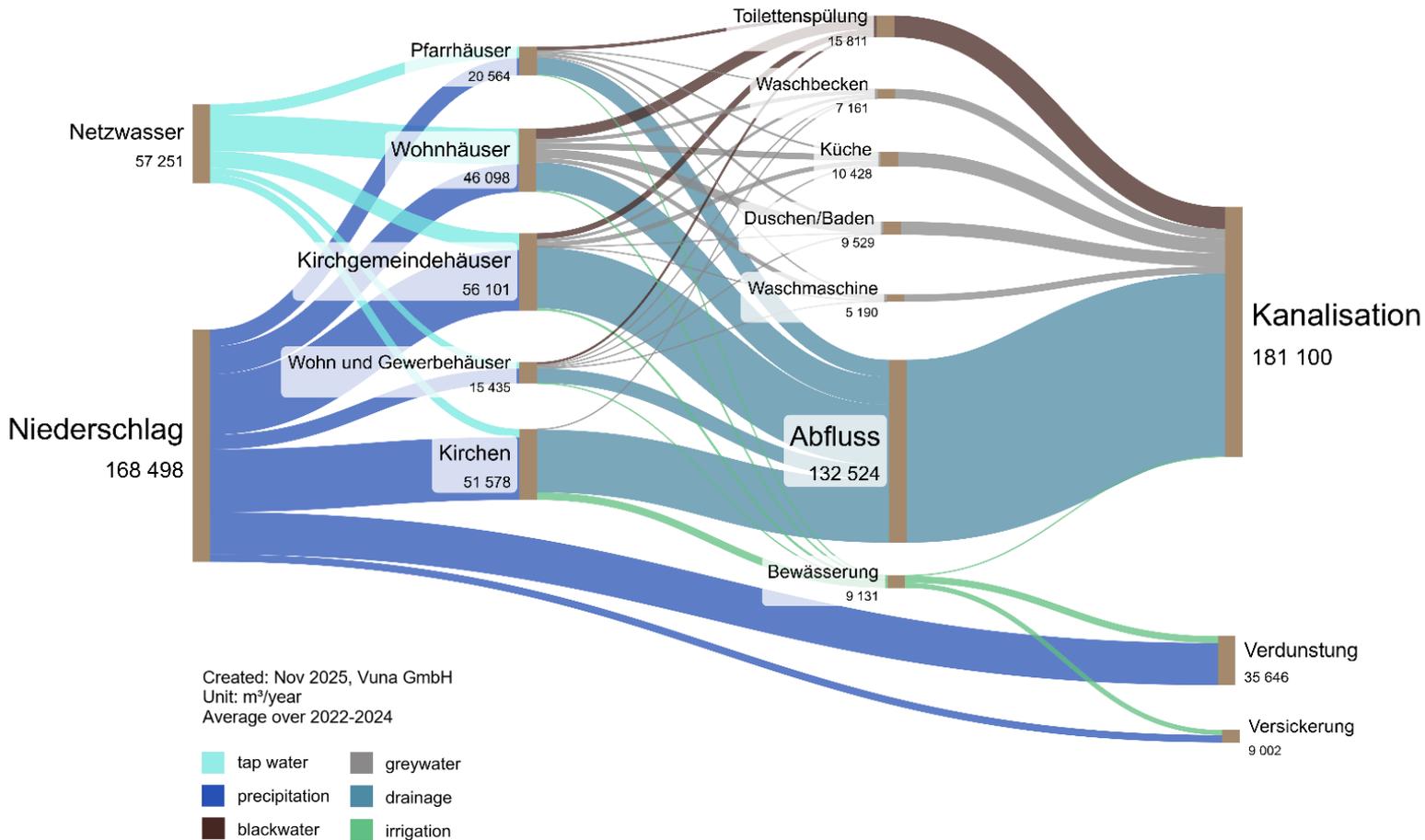


Water flow Diagram of the Reformed Parish Zürich



Partners	Vuna GmbH, Reformierte Kirchgemeinde Zürich
Data sources	Water consumption of the Reformed Parish Zürich from 2022-2024
System boundaries	Incomplete data basis, partial use of average values, assumptions for allocating water consumption to different facilities, temporal system boundary 2022–2024.
Context and motivation	In 2022, the church council decided to develop an environmental management system and to implement it by 2026. A key component of the program is the preparation of the first environmental report of the Zurich parish. In addition to energy, waste, and biodiversity, the report addresses water-related issues. The aim of the water flow diagram is to establish a solid basis for developing targeted and effective measures.
Interpretation and main learnings	A large share of the total water volume in the area under consideration comes from precipitation that is directed into the sewer system via built-up and sealed surfaces. Only a small portion can infiltrate through green spaces. When focusing on tap water use, it becomes evident that a considerable amount is used for applications that do not require drinking water quality, such as toilet flushing and irrigation. Water use in kitchens and at sinks also makes a substantial contribution to overall consumption. This so-called greywater therefore offers potential for decentralized treatment and reuse.
Actions triggered	By 2029: Comprehensive installation of water-saving fittings and toilets, reduction of water consumption for irrigation through water-saving watering of outdoor areas and planting of heat-resistant plants, promotion of natural infiltration through unsealing of suitable areas.

