

QUALITY OF RAINWATER AND RECLAIMED WATER USED IN BUILDINGS AND SELECTION OF APPROPRIATE INDICATORS

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Cent Eur J Public Health 2023; 31 (3): 155–165

<https://doi.org/10.21101/cejph.a7884>

Table S 1. Summary of buildings studied during this project

Region	Building type	Water source	End usage	Approx. number of potential users	Total number of samples	Note	Year when the technology started to be used
Prague	Administrative building	RW – roof	Toilet flushing	500	3	Pilot	2011–2012
Prague	Administrative building	RW – roof, terrace; also boring	Toilet flushing, irrigation	Almost 3,000	3	Pilot	2014
Central Bohemia	Car show and service	RW – roof	Car washing, cleaning, toilet flushing, irrigation	50	2	Pilot	2013/2014
Central Bohemia	Company	RW – roof	Toilet flushing	1,800	2	Pilot	2013 (building A) 2014 (building B)
Central Bohemia	Family house	RW – roof	Toilet flushing, laundry, filling water for swimming pool, irrigation	5	3	Pilot	2018
Central Bohemia	Accommodation and coffee	RW – roof	Toilet flushing, irrigation	30, occasionally up to 80	2	Pilot	2021
Karlovy Vary Region	Company	RW – roof and near parking place	Toilet flushing, irrigation	250	3	Pilot	2014
Karlovy Vary Region	Administrative building	RW – roof	Toilet flushing	50; 200–300 in the future	3	Pilot	2020, still in construction
Zlín Region	Family house offering also accommodation	RW – roof	Toilet flushing, cleaning, personal hygiene, laundry	Up to 20	5	Pilot	2019
Zlín Region	Environmental centre	RW – roof	Toilet flushing, cleaning	Up to 50	3	Pilot	2006
Zlín Region	Commercial centre	RW – roof	Toilet flushing	Up to 200	7	Pilot but visited twice	2019
Moravian-Silesian region	Accommodation	RW – roof	Toilet flushing	30	2	Pilot	2019
Moravian-Silesian Region	Family house	RW – roof, others – well	Toilet flushing, cleaning, laundry, filling water for swimming pool	7	3	Pilot	2007
Liberec Region	Family house	RW – roof	Toilet flushing, cleaning, utility water in kitchen and bathroom (hand washing), inside irrigation	13	15	Regular	Unknown
Vysočina Region	Elementary school	RW – roof	Toilet flushing	220 during school year	8	Regular	2020
Central Bohemia	Elementary school	RW – roof	Toilet flushing	800 during school year	6	Regular	2019
Vysočina Region	Elementary school	RW – roof and near surfaces (streets)	Toilet flushing, irrigation	120 during school year	27	Regular, whole year monitoring	2019
Central Bohemia	Family house	RW – roof	Toilet flushing, cleaning	4	30	Regular, whole year monitoring	2020

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Region	Building type	Water source	End usage	Approx. number of potential users	Total number of samples	Note	Year when the technology started to be used
Liberec Region	Family house	GW – bathroom, partly kitchen	Irrigation also for edible crop	3	2	Pilot	2016
Liberec Region	Secondary school	GW – sinks in toilets and 1 shower, RW – roof and surrounding surfaces	Toilet flushing	500 during school year	4	Pilot	2021
Hradec Králové Region	Hotel and wellness	GW – wellness baths, showers	Toilet flushing, car washing, cleaning	Up to 100	4	Pilot	2016
Central Bohemia	Family house	GW – domestic waste water treatment plant, RW – roof	Toilet flushing, irrigation	4	7	Pilot but visited twice	2019
South Moravian Region	Hotel	GW – swimming pool, wellness, RW – roof, others – well	Toilet flushing, occasionally irrigation and cleaning of surfaces	80	16	Regular	2013, renewed 2020
South Moravian Region	Environmental centre	GW – showers, basins, washing machines, aquariums and terrariums	Toilet flushing	50	8	Regular	2016
Prague	Residential building	GW – showers and baths	Toilet flushing	250	9	Regular	2018
Hradec Králové Region	Family house	GW – showers and baths	Toilet flushing, laundry	5	5	Regular	2019
Ústí Region	Residential building	GW – showers, baths, basins, washing machines	Toilet flushing	50	17	Regular	2019
South Bohemia	Hospital	GW – rehabilitation baths, water from preparation of haemodialyses	Toilet flushing	Up to 350	25	Regular	2016
Prague	Commercial centre	GW – basins in customer toilets, RW – roof, upper parking lot	Toilet flushing	Up to 500	23	Regular	2013

RW – rainwater, GW – greywater