







eawag **Background and development of Swiss strategy**

Several international research studies (e.g. EU projects POSEIDON, NEPTUNE)

Large research projects in Switzerland (endocrine disruptive substances):

- «Fischnetz»: impact on fish reproduction (1998 2003)
- NFP50 (national research program) (2003 2007)
- Based on pilot tests in Regensdorf, Lausanne and Kloten-Opfikon
- report about which processes are suitable to eliminate micropollutants and how a solution for Switzerland could look like

In German only!

- Abegalen C., Siegrist H. 2012, FOEN, Bern, Umwelt-Wissen Nr. 1214; 210 p., www.bafu.admin.ch/uw-1214-d
- Hunziker Kostenstudie, 2008, and BG Kostenstudie 2012, www.micropoll.ch/dokumente/berichte
- Abegglen C., Beier S., Pinnekamp J., Mauer C., Siegrist H. (2011) GWA 7, 479-486







Target of abatement in Switzerland



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Annual costs Germany	eawag aquistic research 8000
Specific capital annual costs of advanced treatment	Antakyali D. 2017, kompetenzzentrum-mikroschadstoffe.NRW
Fig. 4. Specific capital annual costs of CECs abatement (sr (Antakyali, 2017). From: Rizzo et al. 2019, STOTEN 655, 986–1008 https://doi.org/10.1016/j.scitotenv.2018.11.265	elected process options only)
	Rizzo et al. 2019, STOTEN 655, 986–1008

C	onclusions	eawag
Su: 0 0 0	ccess drivers: Strong collaboration among researchers, regulators and practitioners Accepted financial plan (financial risk not at water managers) Simple measures to evaluate treatment Willingness to proactively invest towards a clean and sustainable environment VSA Platform supports all stakeholders involved (<u>www.micropoll.ch</u>)	
Ba	rriers:	
0	Knowledge gaps, remaining uncertainties (research is still ongoing)	
0	Other priority issues	
	General bad water quality (well performing WWTP with nitrification as first step)	

