Verband Schweizer Abwasser- und Gewässerschutza protection eaux

ssociazione sviz ei professionisti ella protezione elle acque

Swiss Water





The Sponge City Concept

7 December 2022, Stefan Hasler, Director VSA



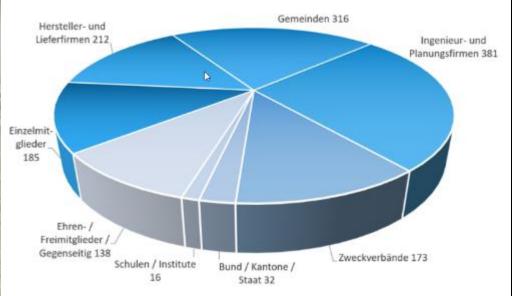
Swiss Water Association (VSA)

VSA is committed to **clean and living waters** and the protection and sustainable use of water as a resource.

Focal points:

- > Urban drainage
- Wastewater treatment
- Sewerage system
- > Industrial and commercial waste wa
- Infrastructure management
- Groundwater protection
- Water quality
- Water ecology
- Revitalisation
- Integral water management

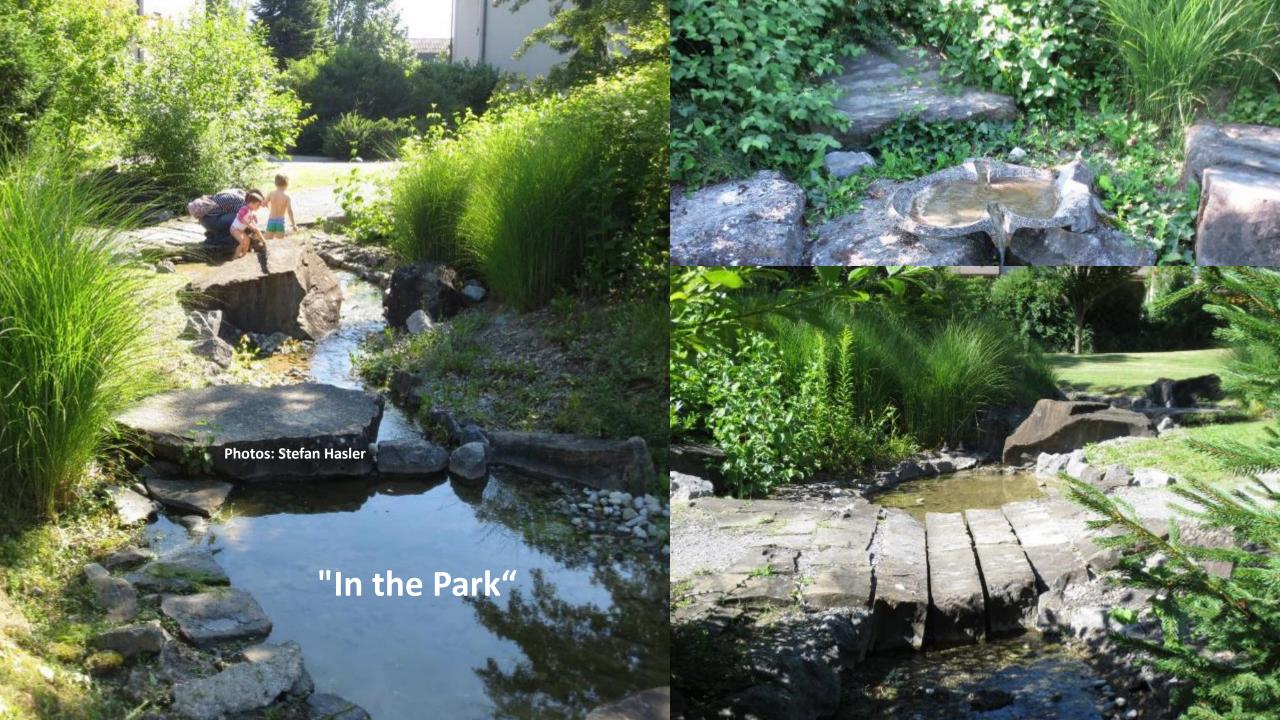
Over 1500 members (organisations)



















SVP will millionenteuren Sechseläutenplatz abreissen – für Wiese

In einer am Mittwoch eingereichten Motion fordern SVP-Gemeinderäte, dass die Steinplatten vom Sechseläutenplatz verschwinden.





Der Sachseläutennlatz wurde ah 2012 umgestaltet. SVP Comeinderäte fordern zun in einer Motion, dass die Steinnlatten entfernt werde



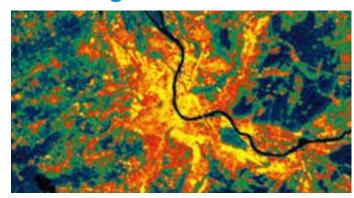
Adaptation to climate change: Our contribution to liveable cities ("sponge city")



Increase in heavy rainfall



Increasing heat waves



Water plays a central role in both phenomena Opportunity for more resilience, quality of life and biodiversity!

- Near-natural rainwater management
- Superficial (emergency) drainage routes
- Multifunctional areas
- Retention volumes



- More green (roofs, facades, green spaces, trees)
- Evaporation needs water! (even after long dry periods)
- More blue (water bodies, open water areas)



- Closing water-cycle (separation of rainwater runoff)
- Above-ground emergency drainage routes ("green-blue corridors")
- Object protection











Two basic rules that we must change consistently:

- 1 Keep rainwater on the surface and manage it decentrally
- 2 Always think about failure (heavy rainfall, surface runoff)

















Property protection Landowner's responsibility But: Municipality is responsible for solutions at larger scale!







Roads are temporarily dammed

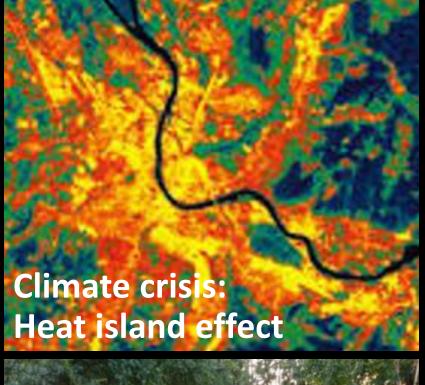




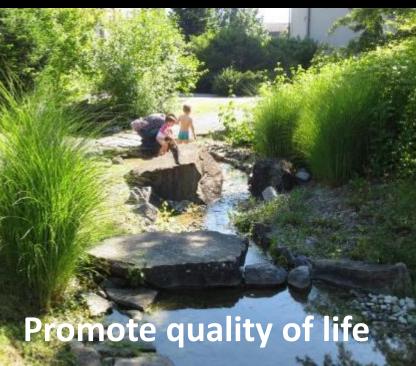
















VSA Project «Sponge City» Involved stakeholder groups / project organisation



Projekt-Oberleitung (VSA, BAFU, PS, SIA, SVKI) **Projektleiterin** (VSA) Projekt A Projekt B Projekt C

Begleitgruppe: Nationwide d/f/i
Städte / Gemeinden Interdisciplinary
Kantone Broadly supported!

Verbände (BSLA, EspaceSuisse, FSU, GVRZ, SVGW, VSSG, VSS)

Forschung (Eawag, OST, ZHAW, BFH, [WSL])

Bund (BAFU, ARE, KBOB)

Versicherungsbranche

Immobiliengesellschaften

Fachleute aus: Siedlungswasserwirtschaft, Stadtgrün, Raumplanung, Landschaftsarchitektur, Naturgefahren, Gewässerschutz, Biodiversität etc.





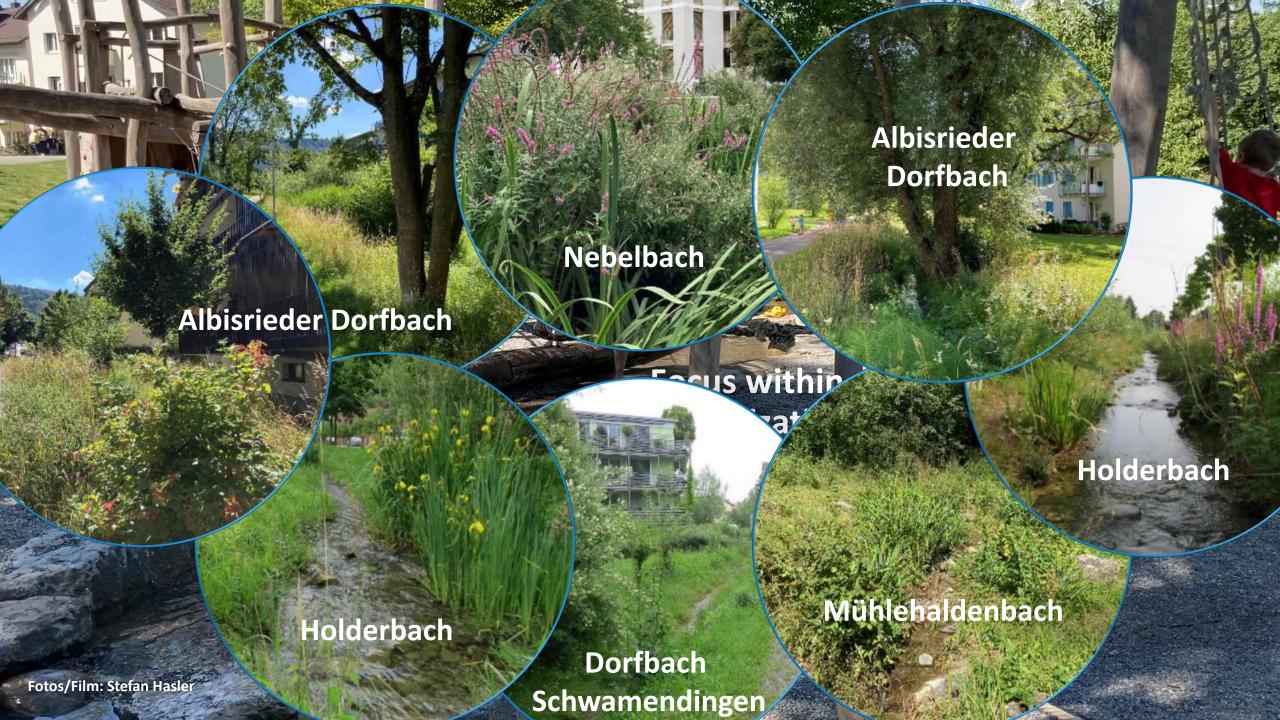


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What goals is the VSA pursuing with the project?

- Prepare a set of measures relating to "good practice" and make them available to municipalities. Goal: Disseminate the measures necessary for adaptation to climate change.
- Contact point for questions ("platform"); solutions for conflicting goals
- Training and further education for municipalities and other stakeholders
- Promote cross-sectoral cooperation!









More Green and more Blue comes at the detriment of Grey



L'espace sacrifié

Paris:

voiture = 50% de l'espace public pour 13% des déplacements

Paris:

Auto = 50 % des öffentlichen Raums für 13 % der Fahrten

Lausanne:

selon quartiers, 57-87% espaces extérieurs réservés à circulation et stationnement

Lausanne:

Je nach Quartier sind 57-87 % des Aussenraums Verkehr- und Parkbereiche

circulation TIM Co

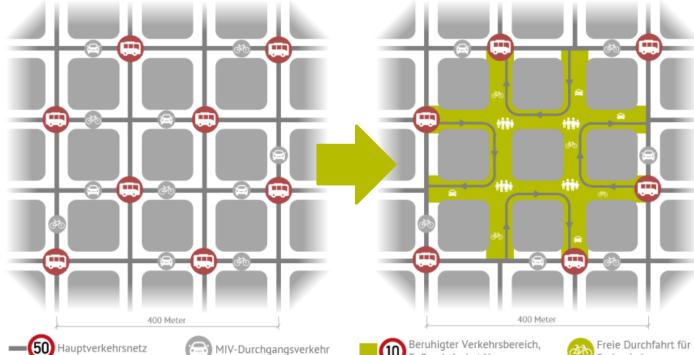






Cars stand still 90% - 95% of the time!

Barçelona creates «Superblocks»













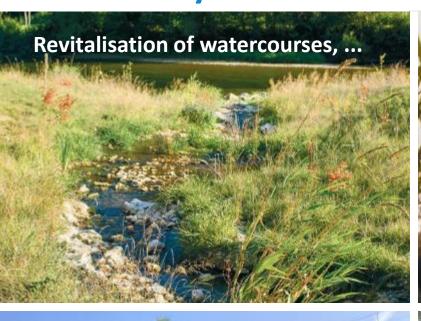
MIV-Anwohnerverkehr







What can you do as a municipality?













Municipalities should lead by example!











