



Mission Model Canvas

Project title:

Slowing Water Switzerland -
catchment modelling
for future cooling

Created by:

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Partners & Support 🤝

- **Emch + Berger** – (Niels Werdenberger) engineering consultancy
- **Agridea**– agricultural consulting and innovation
- **EAWAG** - research support and methodology validation
- **WasserAgenda21 (WA21)** – national water platform
- **Water Stories** (Zach Weiss)
- **SGV (Schweizerischer Gemeindeverband)** – access to municipalities
- **Relevant cantons and municipalities** – pilot sites, collaboration

Activities 🔄

- Hydrological and climate modeling (2D/3D) – future scenarios with/without slow water measures
- Stakeholder facilitation – workshops to communicate risks, solutions, and co-create strategies
- Impact communication – visuals, reports, presentations to build awareness and support

Ressources 🏗️

- Hydrological and spatial **modeling** (GIS & CFD)
- **Climate adaptation measures**: BGI and slow water retention for urban, agricultural, forest, and stream systems
- **Facilitation**, stakeholder engagement and communication tools

Project 📦

Slowing Water Switzerland is about slowing water down using nature-based solutions in urban areas, farmland, forests, and rivers. We model future catchment scenarios and communicate the benefits of resilient systems. The result is a replicable, evidence-based, and participatory path to climate resilience – catchment by catchment.

Relationship, Community ❤️

- Participatory workshops and feedback loops
- Long-term collaboration with municipalities
- Involving local groups and communities in implementing slow water measures

Channels 📱

- SoMe (LinkedIn, Insta)
- WA21 (WasserAgenda21)
- SGV (Schweizerischer Gemeindevorband)

Target Groups 👥

- Middle-sized municipalities (8–15k inhabitants) in the Swiss Plateau
- Municipal water, climate, and planning departments
- Regional and cantonal water authorities
- Community and landowner groups in pilot areas

Budget 💰

What costs do you expect to incur to realize your idea?
40-50,000 CHF

What are the costs?

- Personnel and technical tools: **30-40,000 CHF**
- Workshop facilitation and travel: **5000 CHF**
- Communication, reporting, and design: **5000 CHF**

Impact

1. **Impact:** This idea will cool the local environment, reduce runoff, improve drought resilience and, as an ad-on effect, increase biodiversity. The impacts are measured through hydrological models, field data, and implementation metrics (such as annual overflow volume and frequency from sewers, runoff coefficient, thermal index)
2. **Scaling/Expansion/Unfolding:** The model can be reused across Swiss catchments and adapted internationally.