

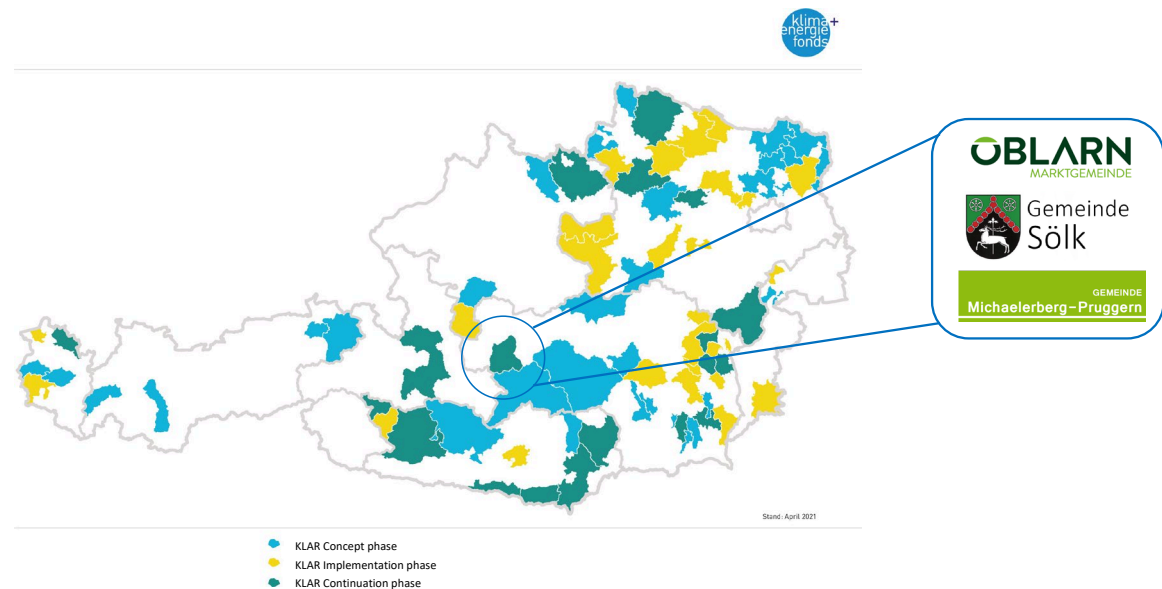
INCREASING REGIONAL RESILIENCE

Best practice examples
of climate change
adaptation on
community level



Support communities and population

The goal is to help communities and citizens best prepare for the challenges of climate change.



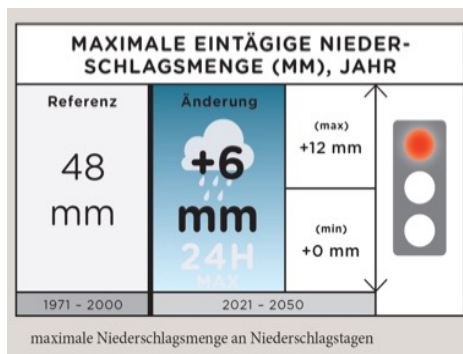
- Recognize dangers. → Build awareness.
- Identify chances. → Take advantage of opportunities.
- Take timely action. → Minimize damage and costs.

Adaptation must happen regionally with tailored adaptation measures.

Natural hazards

- Heavy rain
- Floods
- Debris flows
- Avalanches
- Windthrows
- Rockfall

Heavy rainfalls are forecast to increase intensively 2021-2050:

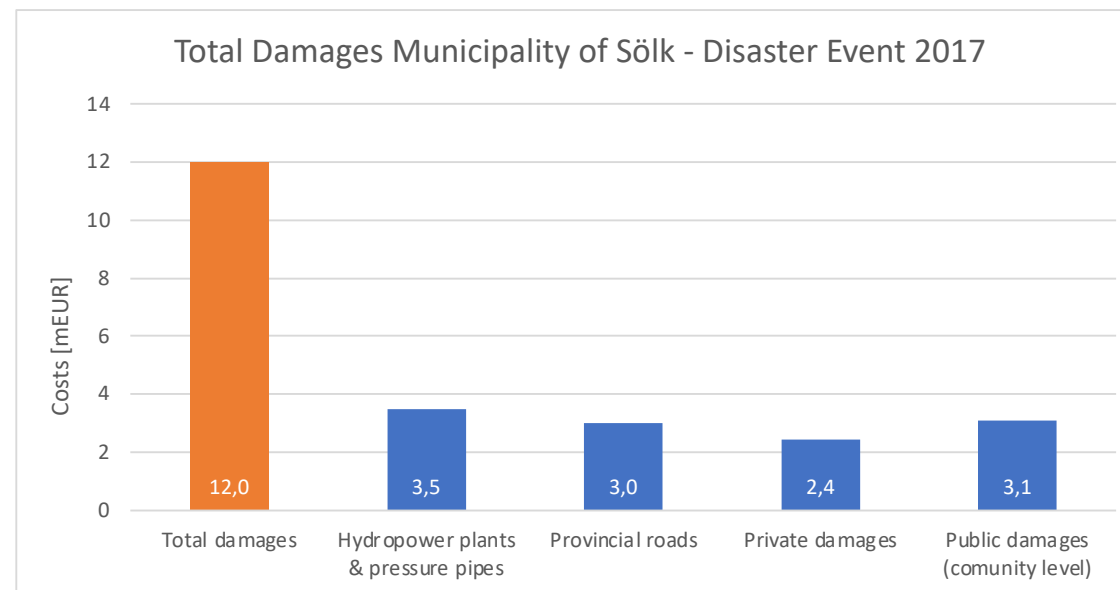


Quelle: ZAMG 2017



Some figures about natural disasters in KLAR! Zukunftsregion Ennstal

- 3270 km² (rural but very touristic), 4700 inhabitants of which 1500 in the Municipality of Sölk
- **Sölk:** Austria's third largest municipality in terms of area → 60 km torrents difficult to be observed (rough terrain with about 90 deep ditches) → danger of congestion and debris flows
- The last major events in the region – 2002, 2010, 2017, 2019, of which 2017 alone caused > 5.5 mEUR private damages all over the region, 12 mEUR total damages in Sölk.
- Compared to demand-based community budgets are at max. 300 kEUR/a/municipality



Source: Gemeinde Sölk, Bezirkshauptmannschaft Liezen

Cooperation is the key

MIX of awareness raising, information & education for all ages and stakeholders and **practical applications** as well as **smaller investment measures** in cooperation with **ALL relevant regional and local actors**

Thematic focus areas: Forestry & Biodiversity; Disaster Management & Infrastructure; Education

> 30 partners: authorities, emergency services, scientists, experts, local businesses, educational institutions, media



Cooperations path

1. Identify problems & challenges



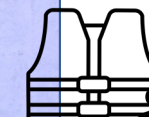
2. Clarify causes



3. Develop solutions



4. Seize opportunities



Adaptation projects (selection)

- ✓ **Emergency and disaster working group**
 - Meetings during „the lull before the storm“
 - Identification of „hot spots“, missing equipment, data (e.g. weather warnings) and know-how,
 - Foundation of the „Municipality Mission Control“ (mayor + radio operator + minutes recorder)
 - **Training** on „Risk and Crisis Communication“

- ✓ **Information events for population/ target groups**
 - **“Self-protection flood”** incl. practical demonstrations with firefighters
 - How to **prevent sealed surfaces** & precautionary measures for roads/ parking lots (e.g. municipalities, landowners & forest cooperatives)
 - Co-funding of **disaster equipment** for fire departments combined with public demonstration and awareness raising

- ✓ **Regular workshops in kindergartens and schools** (playful learning): Climate change and its effects, adaptation and self protection measures



Understand – Network - Prepare



ASDR Naturgefahrenntagung 2021

www.naturgefahrenntagung.at

Natural hazard conference for communities and regions

>> **Natural hazards on the doorstep:
floods, avalanches and mudflows** <<

30.09. – 02.10.2021

Öblarn, Styria, Austria



Weitere Informationen zur Veranstaltung und Programmablauf folgen
Fragen können an asdr-naturgefahrenntagung@zamg.ac.at gerichtet werden



Wassererlebnis Öblarn



Wassererlebnis Öblarn



Opening
Spring 2022

Add. „experience stations“ of Wassererlebnis Öblarn:

- Protective forest
 - Protective structures
 - Retention areas and danger zones
 - Power of water
 - Self-protection measures
-
- ✓ Citizen Science concept, didactic materials
 - ✓ Simulations raise awareness of the importance of the forest, proactive protection against natural hazards.



Visitors are taught how an through which measures the negative effects of catastrophic events – such as in 2017 in the centre of Öblarn – can be reduced or avoided.

Die KLAR! Zukunftsregion Ennstal wird mit Mitteln des Klima- und Energiefonds gefördert.



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