



Foto: Jan Ryser

# Dalle sorgenti al bicchiere: gestione, problemi e opportunità

## Sorgenti: ambienti preziosi e fragili

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Beratung Quell-Lebensräume  
Conseil milieux fontinaux



Bellinzona, 22.03.2024

# Ambienti sorgivi naturali



# Ambienti sorgivi naturali

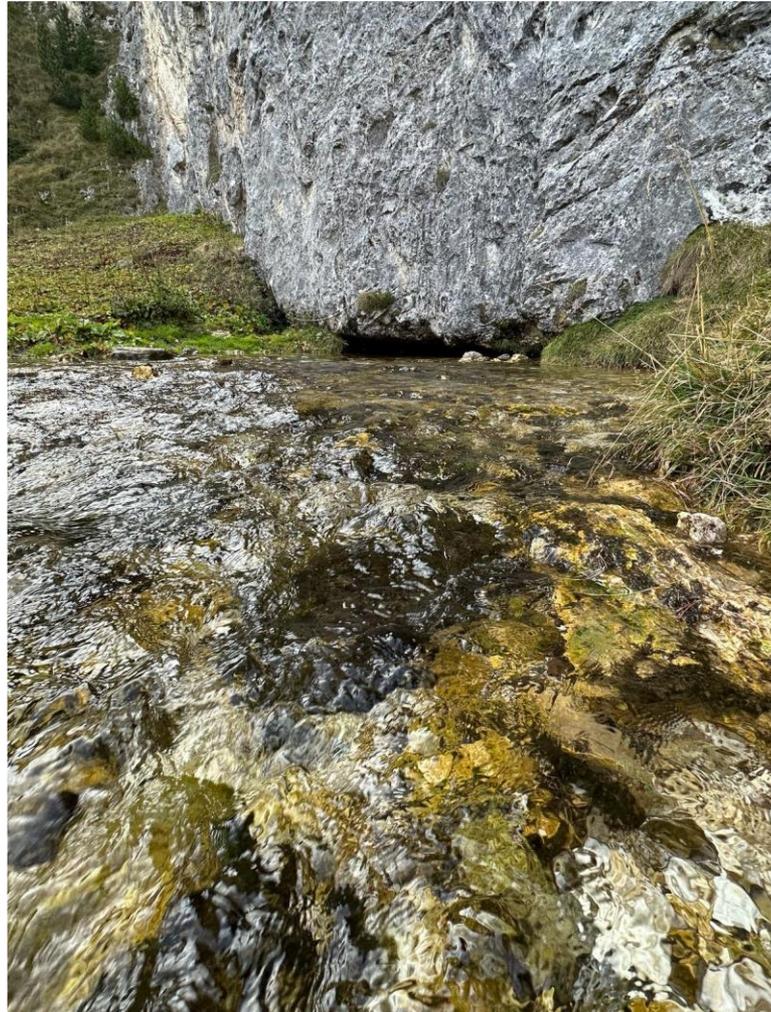
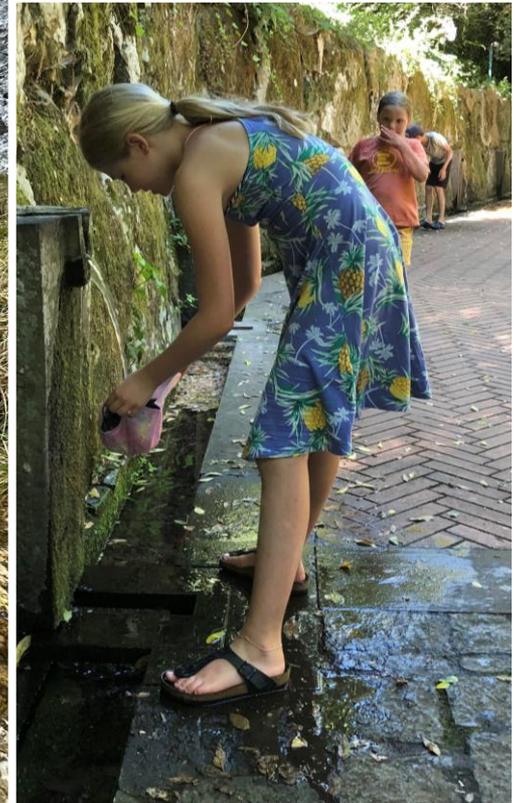


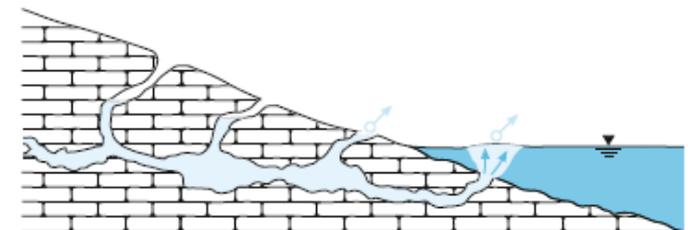
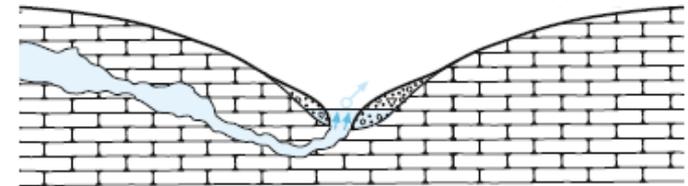
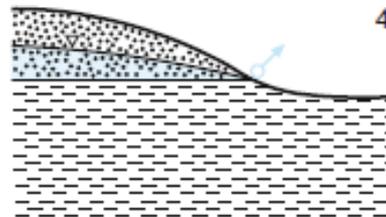
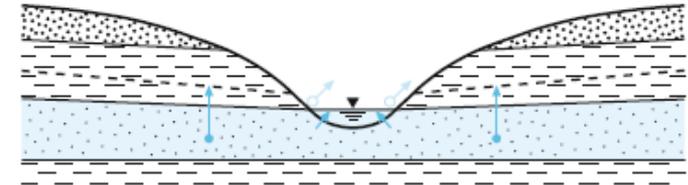
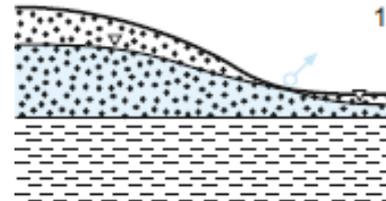
Foto: Christian Bernasconi



# Ambienti sorgivi naturali



« Una sorgente è un luogo in cui le acque sotterranee scaturiscono naturalmente dal suolo, in maniera permanente o intermittente. »



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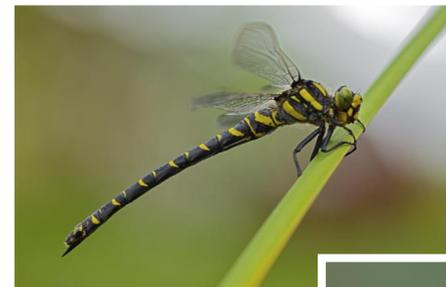
# Organismi altamente specializzati



- 73% delle specie delle sorgenti sono minacciate

Organismi acquatici	No. Specie CH	No. Specie sorgenti	No. Specie Sorgenti minacciate	%
<i>Trichoptera</i> Trichoptères	314	62	46	74
<i>Gastropoda aquat.</i> Gastéporodes aquatiques	51	9	9	100
<i>Plecoptera</i> Plécoptères	113	16	9	56
<i>Odonata</i> Odonates	89	6	5	83
<i>Ephemeroptera</i> Éphémères	87	1	1	100
	654	96	70	

73



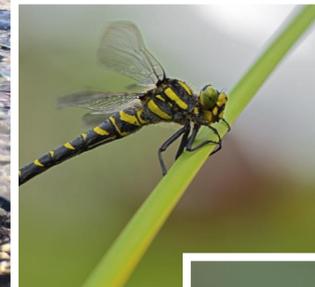
# Organismi altamente specializzati



- 73% delle specie delle sorgenti sono minacciate



- temperatura costante
- assenza di piene



# Organismi altamente specializzati



- 73% delle specie delle sorgenti sono minacciate



- temperatura costante
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# Organismi altamente specializzati



- 73% delle specie delle s  
sono minacciate



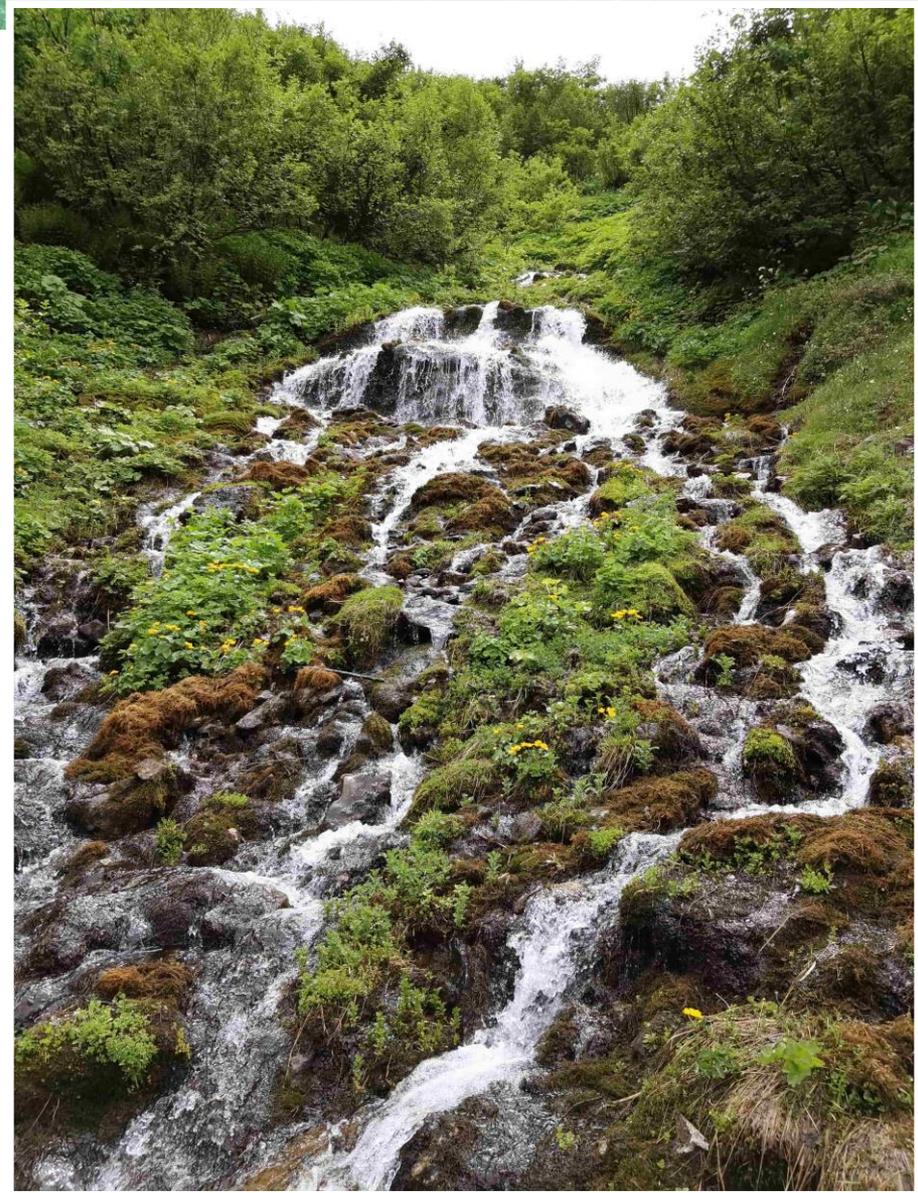
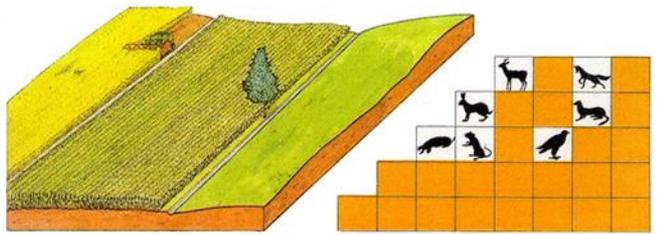
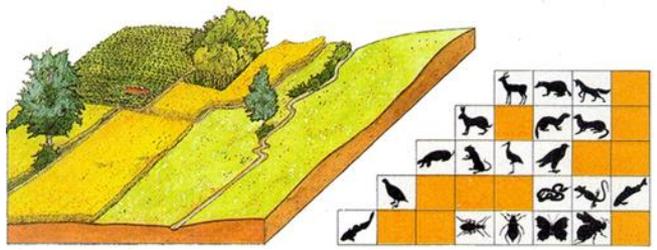
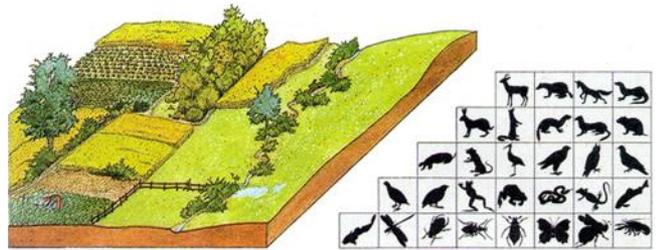
- temperatura costante
- assenza di piene



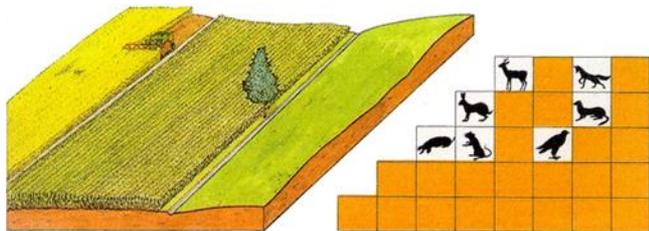
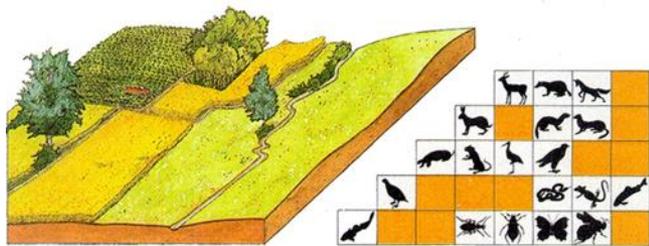
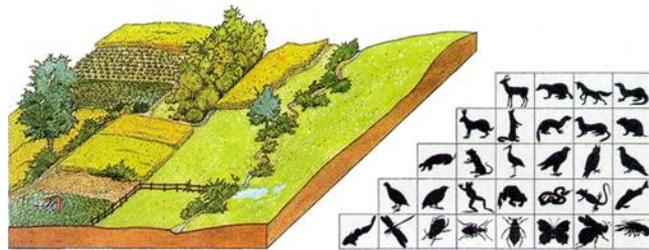
Condizioni ideali:

5 -15 m

# Scomparsa degli ambienti sorgivi

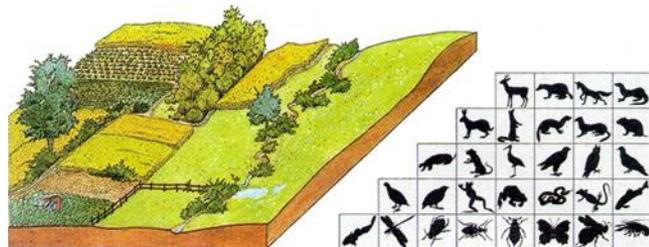


# Scomparsa degli ambienti sorgivi



# Scomparsa degli ambienti sorgivi

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# Scomparsa degli ambienti sorgivi

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Quante sono le sorgenti ancora naturali in Svizzera?

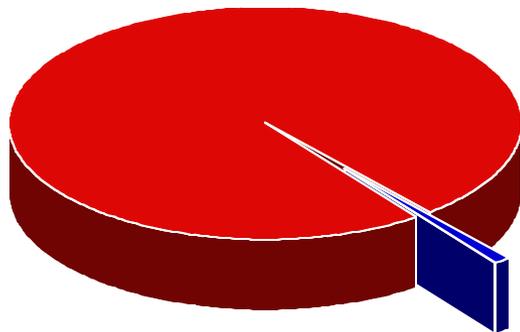
# Scomparsa degli ambienti sorgivi

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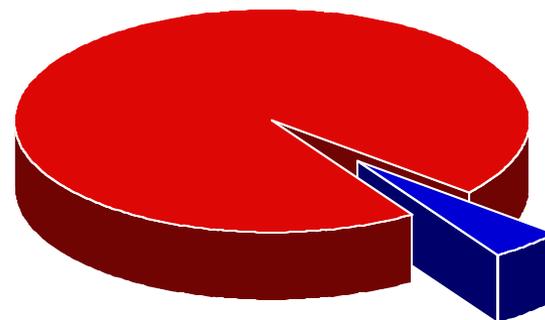


Quante sono le sorgenti ancora naturali in Svizzera?

**Altipiano: 1.2%**



**Jura: 4.8%**



Fonte: Zollhöfer 1997 (Kanton AG)

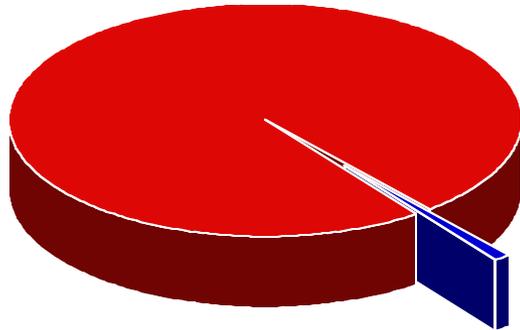
# Scomparsa degli ambienti sorgivi

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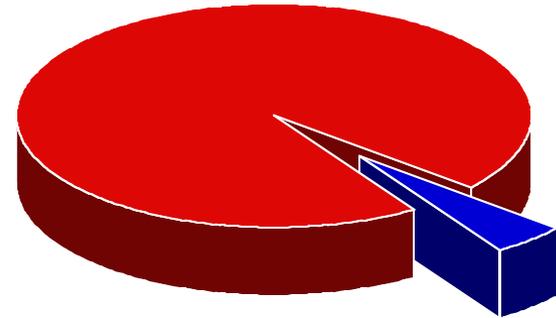


Quante sono le sorgenti ancora naturali in Svizzera?

**Altipiano: 1.2%**



**Jura: 4.8%**



Fonte: Zollhöfer 1997 (Kanton AG)

**Berna: 13%**

# Scomparsa degli ambienti sorgivi

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Cosa si può fare?



# Ambienti sorgivi naturali



Cosa si può fare?

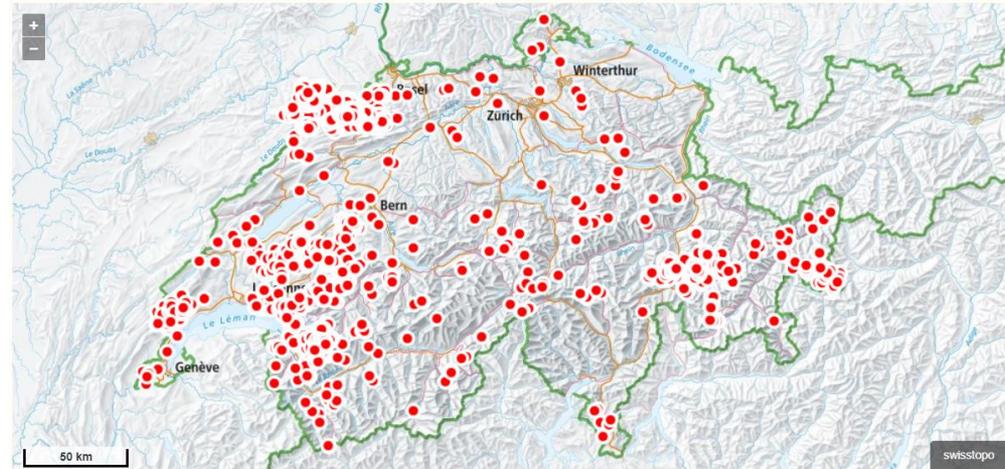
- Conoscere
- Proteggere
- Valorizzare

# Ambienti sorgivi naturali



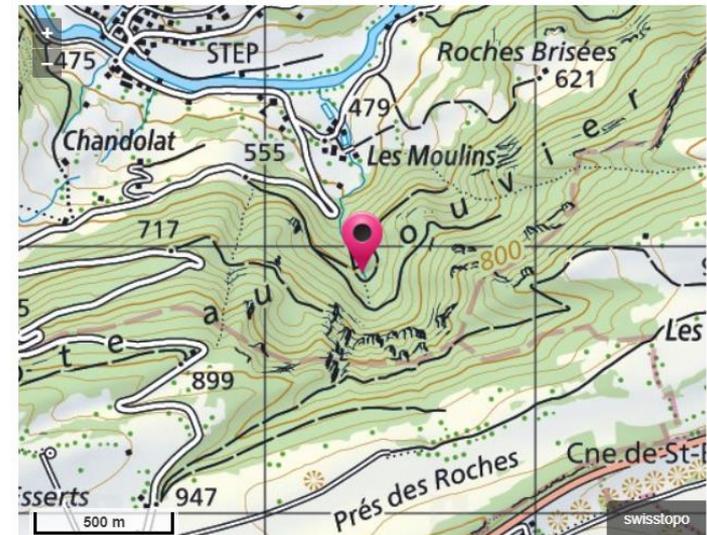
Cosa si può fare?

- **Conoscere**
- Proteggere
- Valorizzare



Localisation	▶
Protocoles	
Réalisation	
Topographie et hydrologie	
Évaluation A - atteintes	
Évaluation B - végétation	
Évaluation B - structure	
Qualité de l'habitat	
Faune	
Qualité de la faune	

<b>Canton</b>	Jura
<b>Lieu</b>	Soubey
<b>ID source</b>	Q-Bw_010_JU
<b>Source</b>	Srce Côte au Bouvier
<b>Coordonnées x[m]</b>	571'362
<b>Coordonnées y[m]</b>	238'905
<b>Altitude [m]</b>	588
<b>Système de référence</b>	Système de précision des coordonnées défini par Info Fauna-CSCF
<b>Niveau de précision</b>	Dans l'are; précision entre 1 et 10 m

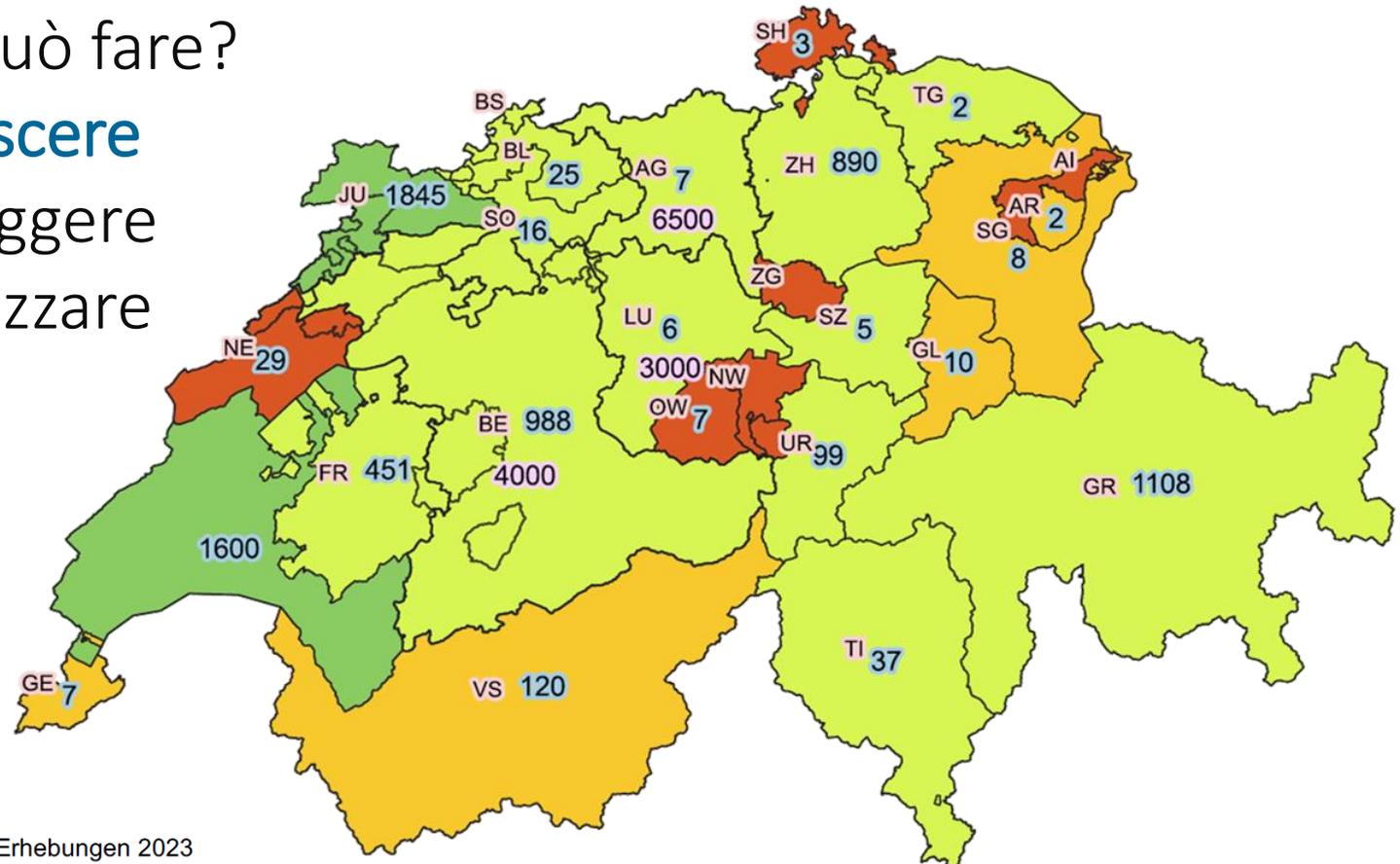


# Ambienti sorgivi naturali



Cosa si può fare?

- **Conoscere**
- Proteggere
- Valorizzare



## Legende

Fortschritt der Erhebungen 2023

 in Bearbeitung

 in Planung

 keine Projekte bekannt

 Beendet



Cosa si può fare?

- Conoscere
- **Proteggere**
- Valorizzare





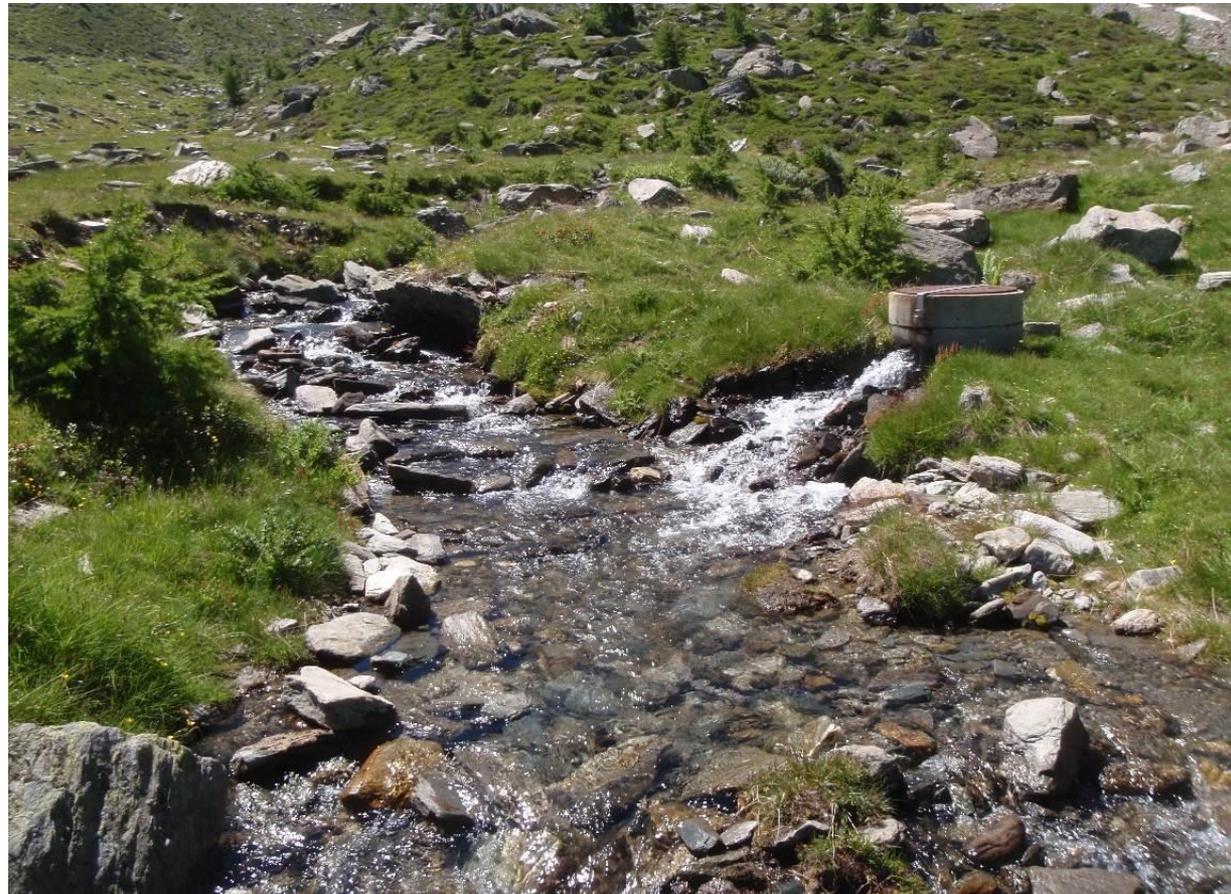
Cosa si può fare?

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- **Valorizzare**



Cosa si può fare?

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- **Valorizzare**



# Ambienti sorgivi naturali

Cosa si può fare?

- Conoscere
- Proteggere
- **Valorizzare**



# Servizio di consulenza

sito WEB

<https://quell-lebensräume.ch/>

The image shows a screenshot of the website [quell-lebensräume.ch](https://quell-lebensräume.ch/). The website header includes the logo 'Beratung Quell-Lebensräume Conseil milieux fontinaux' and contact information: phone number +41 61 686 96 96 and email info@quell-lebensräume.ch. Navigation links for 'Einstellung', 'Publikationen', 'Veranstaltungen', and 'Kontakte' are visible. A language selector shows German, French, and Italian flags.

Overlaid on the website are several documents and magazine covers:

- Document 1:** 'Bewertung von Quell-Lebensräumen in der Schweiz' (Evaluation of spring habitats in Switzerland). It is a proposal for a structural and systematic procedure, dated July 2016, by the working group V. Labini, D. Käry, P. Stucki, H. Yonetta, and D. Käry, commissioned by the Federal Office for the Environment (BAFU).
- Document 2:** 'SKIZZE ZU EINEM INVENTARISIERUNGSVERFAHREN FÜR QUELL-LEBENSRAÜME' (Sketch of an inventory procedure for spring habitats). Dated July 2016, it is a joint effort by the working group V. Labini, D. Käry, P. Stucki, commissioned by the BAFU.
- Magazine 1:** 'pro natura magazine' featuring a waterfall and the headline 'Les dernières sources intactes doivent être protégées de toute urgence' (The last intact sources must be protected with all urgency).
- Magazine 2:** 'aqua viva' (The journal for water protection) featuring a dragonfly and the headline 'Quellen im Fokus Dossier Sources' (Sources in focus Dossier Sources).

At the bottom of the website screenshot, there is a section with the URL [www.cscf.ch](http://www.cscf.ch) and a description of the advisory service: 'Die Beratungsstelle vermittelt Wissen über alle Aspekte im Zusammenhang mit der Kenntnis. Weiterlesen ... Quellen erfassen, erhalten und aufwerten. Die Beratung für Verantwortliche in Kantonen, Naturparks und ...'

Fine

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Conseil milieux fontinaux



Grazie per l'attenzione



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