

# Schweizmobil Geodatawarehouse

Open Source GIS trifft ERP

**camptocamp**<sup>®</sup>

INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS

# Übersicht

- Schweizmobil
- Camptocamp
- ERP + GIS
- Geodatawarehouse WebDB
  - Räumliche und attributive Daten
  - Workflow und Zusammenarbeit
  - Export
- Wie weiter?



# Schweizmobil

«SchweizMobil ist das nationale Netzwerk für den Langsamverkehr LV, insbesondere für Freizeit und Tourismus (z. B. Wandern, Velofahren, Mountainbiken, Skaten und Kanufahren).»

Das heisst...



Routen



Signalisation



Events



Werbung



Information



# Schweizmobil



... Daten....



# Schweizmobil



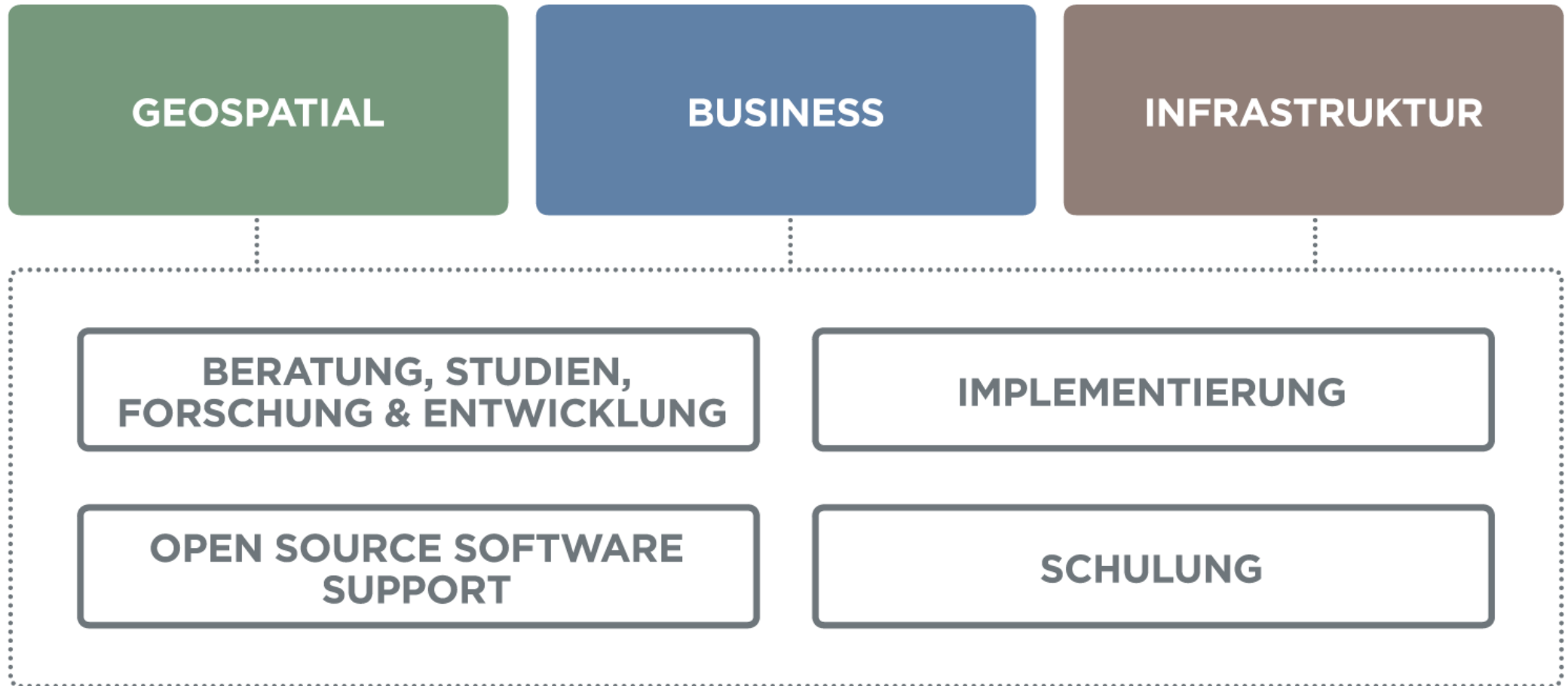
... **Geo** Daten....



- **Open Source solutions provider as editor and integrator since 2001**
- **Staff of 43**
- **Camptocamp helps you move forward with the latest Open Source technologies**



# Camptocamp: 3 Abteilungen



# ERP + GIS

- ERP:
  - Stati
  - Berechtigungen
  - Komplexe Daten
  - Mehrsprachigkeit
- Technologie:

OpenObjects





# ERP + GIS

## ■ ERP:

- Stati
- Berechtigungen
- Komplexe Daten
- Mehrsprachigkeit

## ■ Technologie:

OpenObjects



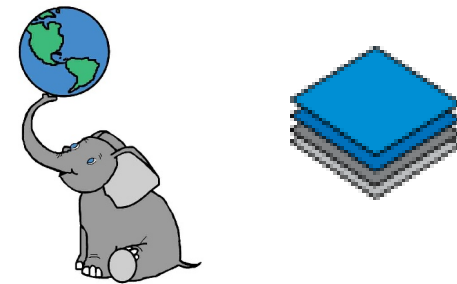
## ■ GIS:

- Routen, POI  
(Räumliche Daten)
- Räumliche Verknüpfungen

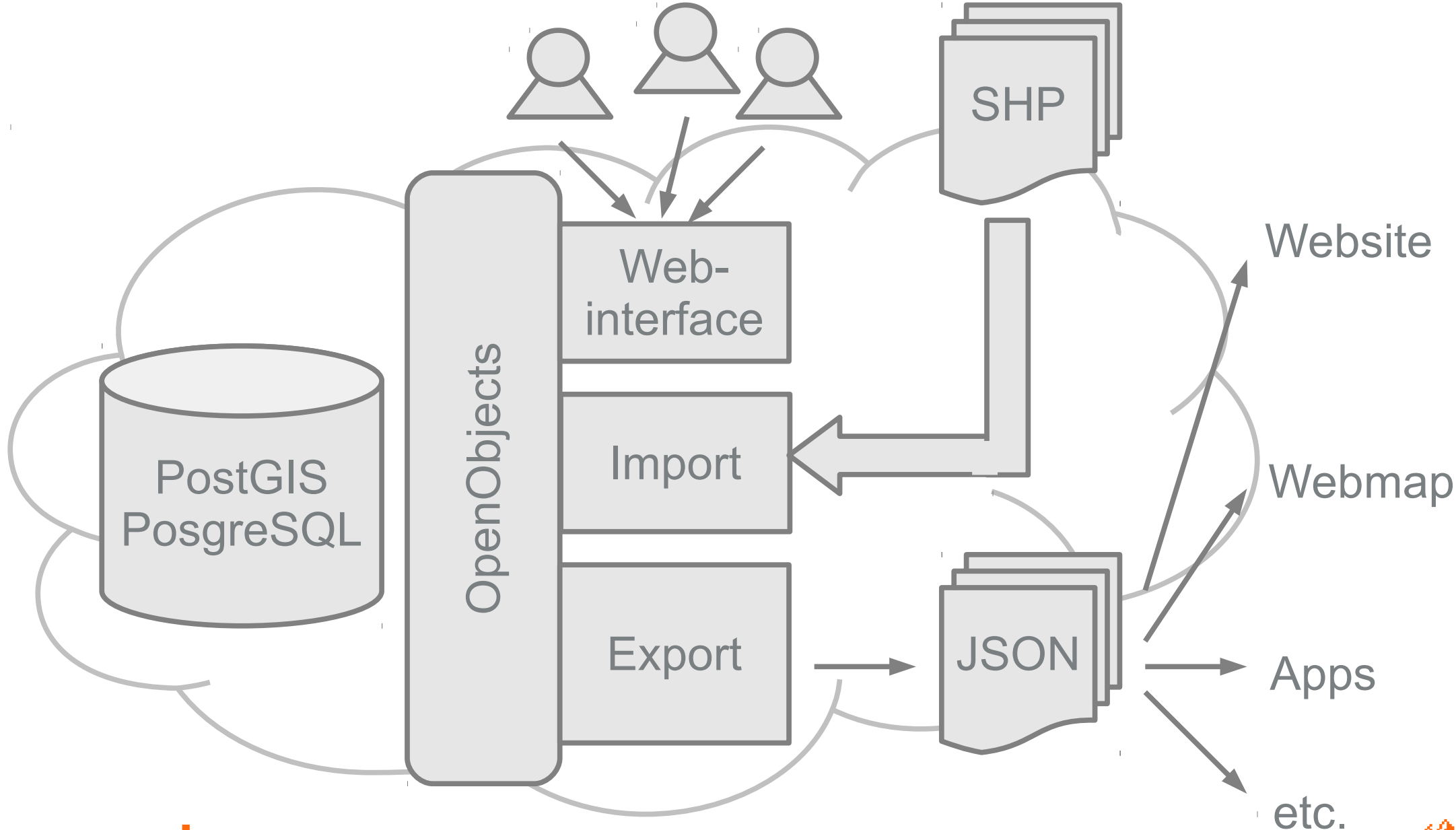
## ■ Technologie:

PostGIS / PostgreSQL

Openlayers / GeoEngine



# Geodatawarehouse



# Geodatawarehouse

- Daten attributiv und geographisch
  - Routen, POI, Bilder, Reiseberichte, Angebote, ...



## Rhine Route

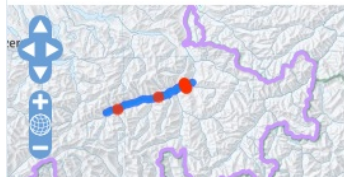
Stage 2, Disentis-Chur

### Stages

Previous Next

2 Disentis-Chur

Entire route



Surselva - «above the forest» - Graubunden's largest Romansch-speaking region. The wild gorge of the Vorderrhein is awe-inspiring - Switzerland's Grand Canyon. Chur, the oldest town north of the Alps boasts the highest density of restaurants.

### Facts

Length:	65 km
of which unsurfaced:	23 km
Requirements:	medium
Conditions:	medium
Height difference:	Disentis-Chur: 460 m

### Services

#### Accommodation



**Hotel Baur**  
Disentis/Mustér  
[Show all](#)




# Geodatawarehouse: Interface mit Filter

The screenshot shows the CampToCamp Geodatawarehouse interface. At the top, there is a navigation bar with the Swiss flag logo, the text 'SchweizMobil (openerp\_test\_webdb) Administrator', and 'Kunden'. Below this are buttons for 'GEOENGINE BACKEND', 'SCHWEIZMOBIL', and 'EINSTELLUNGEN'. The main content area is titled 'Suche: Route' and features a search form with fields for 'Routennummer', 'Titel', 'Mobilitätsform \*', 'Kategorie \*', 'Status', 'Online ?', and 'Firma'. There are also buttons for 'DOCUMENTS I CAN EDIT' and 'WAITING FOR APPROVAL'. Below the search form are buttons for 'Suche' and 'Suche Leeren', and a 'Filter' dropdown. A table of routes is displayed below, with columns for 'ROUTENNUMMER', 'NAME \*', 'START-VIA-END', 'MOBILITÄTSFORM \*', 'KATEGORIE \*', 'STATUS', and 'ONLINE'. The table shows 33 routes, with the first 30 listed. Each row includes a checkbox, a pencil icon, and a close icon.

<input type="checkbox"/>	ROUTENNUMMER	NAME *	START-VIA-END	MOBILITÄTSFORM *	KATEGORIE *	STATUS	ONLINE
<input type="checkbox"/>	1	Via Alpina	Vaduz (Gaflei, FL)-Montreux	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	2	Trans Swiss Trail	Porrentruy-Mendrisio	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	3	Alpenpanorama-Weg	Rorschach-Genève	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	4	ViaJacobi	Rorschach- / Konstanz (D)-Genève (Grenze)	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	5	Jura-Höhenweg	Dielsdorf-Nyon	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	6	Alpenpässe-Weg	Chur-St-Gingolph	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	7	ViaGottardo	Basel-Chiasso	Wanderland	National	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	22	Kulturspur Appenzellerland	Degersheim-Rheineck	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	23	Senda Scuol-Samnaun	Scuol-Samnaun	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	24	Thurweg	Wildhaus-Wattwil	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	25	Senda Segantini	Savognin-Samedan	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	27	Swiss Tour Monte Rosa	Saas Fee-Zermatt	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	29	Pragelpass-Weg	Schwyz-Glarus	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	30	ViaValtellina	Gargellen (A)-Tirano (I)	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>
<input type="checkbox"/>	33	Via Albula/Bernina	Thusic-Tirano (I)	Wanderland	Regional	Validiert	<input checked="" type="checkbox"/>



# Geodatawarehouse: Eingabemaske



SchweizMobil (openerp\_test\_webdb)  
Administrator

Customers

GEOENGINE BACKEND SCHWEIZMOBIL SETTINGS

Schweizmobil <<

Routes and Segments

- Route
- Segment
- Geometries Import
- Publish all
- Republish all
- Goodtoknows
- External Links
- Bookable
- Guide
- Paper Map
- Travel Reports
- Place
- Sightseeing
- POI (Import)
- Groups & Regions
- slowUp
- Pictures
- Files
- Batches

## Route

Edit Translate Create Duplicate Delete

Admin Title: 1 Via Alpina (Vaduz (Gaflei, FL)-Montreux) Land: Wanderland Number: 1

Route Definition Route Description Facts & Figures Signalization Address Height Profile Photos Segments

Good To Know Other Relations Geometry

Land: Wanderland

Number: 1

Admin Title: 1 Via Alpina (Vaduz (Gaflei, FL)-Montreux)

Title: Via Alpina

Short Title: 1 Via Alpina

Alias Title: ViaAlpina

Category: National

International:

Has Segment:

Start: Vaduz (Gaflei, FL)

Via:

End: Montreux

Draft **Waiting Validation** Validated

Set to Draft Publish Decline

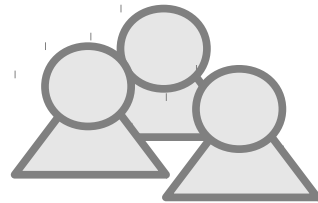
Active:  Published:

Last Editor: Administrator Company: SchweizMobil

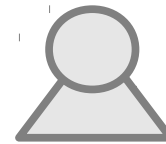


# Geodatawarehouse

- Workflow + Zusammenarbeit



Partner  
Partnerunternehmen



Admin

Draft **Waiting Validation** Validated

Active:

Published?:

Last Editor: Administrator

Company: SchweizMobil




# Geodatawarehouse: GIS

Route Definition    Route Description    Facts & Figures    Signalization    Address    Height Profile    Photos

Good To Know    Other Relations    **Geometry**

Segment Path :



Powered by Camptocamp data © swiss topo

Draft    Waiting Validation    Validated

Confirm

Active:     Published?:

Last Editor: [Administrator](#)    Company: [SchweizMobil](#)



# Geodatawarehouse: Interface/Übersetzungen

The screenshot displays the 'SchweizMobil' web interface. The main content area is titled 'Route' and shows details for '1 Rhone-Route (Andermatt-Genève (Chancy))'. The 'Geometry' tab is active, showing the route's title, name, and start/end points. A 'Übersetzungen' (Translations) dialog box is open, allowing the user to translate the route's name and abstract into German, French, Italian, and English. The dialog box contains a table with the following data:

Feld	German / Deutsch	French (CH) / Français (CH)	Italian / Italiano	English
Name *	Rhone-Route	Route du Rhône	Percorso del Rodano	Rhone Route
Name Dropdown *	1 Rhone-Route	1 Route du Rhône	1 Percorso del Rodano	1 Rhone Route
Name Alias:	Le Rhône à vélo	Le Rhône à vélo	Le Rhône à vélo	Le Rhône à vélo
Abstract *	Die Rhone-Route durchmisst das Wallis vor imposanter Bergkulisse auf reizvollen und ruhigen Wegen entlang der Rhone. Sie führt vorbei an den Palmenpromenaden des Lac Léman und den malerischen Lavaux-Rebbergen und endet in der Weltstadt Genf.	La Route du Rhône traverse le Valais au pied d'imposantes montagnes, le long du fleuve, par des chemins calmes et charmants. Puis elle suit les rives du lac Léman le long des quais bordés de palmiers et à travers les pittoresques vignobles du Lavaux, jusqu'à Genève.	Il percorso del Rodano si snoda nel Vallese, incominciato da cime maestose, su sentieri tranquilli lungo il Rodano. Quindi il lungolago bordato di palme del Lac Léman, i suggestivi vigneti di Lavaux e l'internazionale città di Ginevra.	The Rhone Route runs through the magnificent mountain scenery of the Valais on charming, quiet paths along the Rhone. It leads along the famous palm-lined promenades of Lac Léman and the picturesque Lavaux vineyards and ends at cosmopolitan Genève.
	Die Rhone-Route beginnt mit einem zünftigen Aufstieg von den baumlosen Alpweiden des Urserentales hinauf auf den Furkapass. Die stiebende Abfahrt führt vorbei an den schmelzenden Eistürmen des Rhonegletschers. Wieder etwas gemächlicher geht es durchs Goms, dem weiten sonnigen Hochtal der jungen Rhone. Blumenwiesen und Harzduft begleiten Sie fast bis Brig, dem Hauptort des Oberwallis	La Route du Rhône traverse le Valais au pied d'imposantes montagnes et dessine un grand arc au bord du lac Léman.  Après les pâturages sans arbres de la vallée d'Urseren, montée éprouvante jusqu'au col de la Furka, suivie d'une descente rapide le long du glacier du Rhône. Puis, le jeune Rhône traverse la vallée de Conches. Prairies fleuries et odeur de résine	Il percorso del Rodano si estende lungo l'intero Vallese, incominciato da montagne maestose, e prosegue sulle sponde del Lac Léman.  Dopo i pascoli alpini della Urserental, la dura salita sul Furkapass e la discesa esilarante passando accanto alle torri del ghiacciaio del Rodano. Si percorre il Goms, la valle ampia e assolata del giovane fiume. Profumo di fiori	The Rhone Route runs through the magnificent mountain scenery of the Valais, embracing glistening Lac Léman.  After treeless Alpine pastures in Urserental, a perspiring climb up Furkapass followed by a heady downhill ride past the melting ice towers of the Rhone Glacier. Through Goms, the wide, sunny high-level valley of the young Rhone. Flower-filled fields and the aroma of resin accompan

The interface also shows a sidebar with navigation options like 'Route', 'Segment', and 'Publish all'. The top navigation bar includes 'GEOENGINE BACKEND', 'SCHWEIZMOBIL', and 'EINSTELLUNGEN'. The bottom status bar shows 'Entwurf', 'in Prüfung', and 'Validiert' buttons, along with 'Aktiv: ' and 'Last Editor: SchweizMobil Manager'.





# Geodatawarehouse: Relationen

**Segment**

Edit Translate Create Duplicate Delete

Admin Title : 1.12 Via Alpina (Lauterbrunnen-Griesalp) Land : Wanderland Number : 12

Route Definition Route Description Facts & Figures Signalization Address Height Profile Photos

Good To Know **Other Relations** Geometry

External Links **Bookable Offers** Guides Travel Reports Groups Regions

BOOKABLE OFFER	STATE
Grindelwald Wander	Validated
1 Via Alpina, Meiringen - Lenk	Validated
Bärentrek Meiringen-Adelboden	Validated

Draft **Waiting Validation** Validated

Active :  Published ? :

Last Editor : Administrator Company : SchweizMobil

Confirm



# Geodatawarehouse: Relationen

Attachments

Open: Close 1 / 1

Title : Grindelwald Wander

**Offer** | Address | Routes & Segments

Title : Grindelwald Wander

Land : Wanderland

Text : Interlaken–Schynige Platte–Faulhorn–Grindelwald–Kleine Scheidegg–Mürren. Walking week in the area of the Eiger and other fantastic mountains. Incl. 7 nights in hotels/guesthouses, 7 x breakfast, 3 x diner, luggage transfers (except Faulhorn), itinerary, maps. CHF 990.00 from Interlaken/to Mürren.

URL Text :

URL Link : <http://www.walks-4-u.ch/index.php?id=124>

Photo




Photo :

Draft | **Waiting Validation** | Validated Set to Draft

Active :  Published ? :

Last Editor : [Ueli Hintermeister](#) Company : [Walks-4-U](#)

# Geodatawarehouse: Export

- Daten attributiv und geographisch
  - Buffer z.B. Hotels in der Nähe einer Route











# Geodatawarehouse: Export

- Daten attributiv und geographisch
  - Buffer z.B. Hotels in der Nähe einer Route
  - Whitelist/Blacklist z.B. öV-Stationen

Routes Segments

### Whitelist







Hinzufügen [1 bis 4] von 4

ROUTENNUMMER	TITEL	START-VIA-END	MOBILITÄTSFORM *	KATEGORIE *
 7	7 ViaGottardo (Basel-Chiasso)	Basel-Chiasso	Wanderland	National 
 25	25 Senda Segantini (Savognin-Samedan)	Savognin-Samedan	Wanderland	Regional 
 33	33 Via Albula/Bernina (Thusis-Tirano (I))	Thusis-Tirano (I)	Wanderland	Regional 
 34	34 Klettgau-Rhein-Weg (Hallau-Schaffhausen)	Hallau-Schaffhausen	Wanderland	Regional 

[1 bis 4] von 4

### Blacklist

Hinzufügen [1 bis 3] von 3

ROUTENNUMMER	TITEL	START-VIA-END	MOBILITÄTSFORM *	KATEGORIE *
 46	46 Tour des Alpes Vaudoises (Aigle-Aigle)	Aigle-Château-d'Oex-Les Diablerets-Aigle	Wanderland	Regional 
 60	60 ViaRhenana (Kreuzlingen-Basel)	Kreuzlingen-Basel	Wanderland	Regional 
 64	64 ViaSett (Thusis-Chiavenna (I))	Thusis-Chiavenna (I)	Wanderland	Regional 

[1 bis 3] von 3



# Geodatawarehouse: Export

- Daten attributiv und geographisch
  - Buffer z.B. Hotels in der Nähe einer Route
  - Whitelist/Blacklist z.B. öV-Stationen



## Rhine Route

Stage 2, Disentis-Chur

**Stages**

← Previous      Next →

2 Disentis-Chur

▲ Entire route

**Surselva - «above the forest» - Graubunden's largest Romansch-speaking region. The wild gorge of the Vorderrhein is awe-inspiring - Switzerland's Grand Canyon. Chur, the oldest town north of the Alps boasts the highest density of restaurants.**

**Facts**

Length:	65 km
of which unsurfaced:	23 km
Requirements:	medium
Conditions:	medium

**Services**

**Accommodation**

**Hotel Baur**  
Disentis/Mustér



# Geodatawarehouse: Export



Themen zurück

english  
français  
italiano



## Ihre gewünschten Services ...

Via Alpina Vaduz (Gaflei, FL) - Montreux: 3 Ergebnisse

### Buchbare Angebote

#### Wanderwoche Berner Oberland

Interlaken – Schynige Platte – Faulhorn – Grindelwald – Kleine Scheidegg – Mürren. Wanderwoche im Herzen des Berner Oberlandes (Juni bis September täglich). Inkl. 7 Übernachtungen mit Frühstück, 3 x Abendessen, Gepäcktransporte (ausser Faulhorn), Routenbeschreibung, Karten. CHF 990.00 ab Interlaken/bis Mürren. [Mehr](#)

Anbieter: Walks-4-U GmbH

[Kontakt](#)



#### Bärentrek Meiringen-Adelboden

Meiringen-Adelboden - 6 Tage sind Sie unterwegs: über Pässe, Gipfel, Felsen, Alpweiden, liebevolle Täler, Dörfer mit weltbekannten Namen. Saison: vom 1. Juli bis 30. September.

[Kontakt](#)



### Services eingrenzen

- Alle
- Orte
- Sehenswürdigkeiten
- Buchbare Angebote
- Übernachten
- Führer
- Karten

**x Auswahl aufheben**

### Region eingrenzen



# Geodatawarehouse : Export

**SwitzerlandMobility** deutsch français italiano

Enlarged map | Map | Photo | Grey | Rapperswil-Jona | Print | Draw a route / Login

- Hiking in Switzerland
- Cycling in Switzerland
- Mountainbiking in Switzerland
- Skating in Switzerland
- Canoeing in Switzerland
- Rail | Bus | Boat
- Taxi Alpin
- Places
- Places of interest
- Accommodation
- Cycle rental
- Flyer-Land
- Cycle service
- Canoeing club
- Shopping

2 Hits

**Glatt-Route**  
Stage 2 Zürich (Schwamendingen)–Rapperswil

Along the shallow shores of the Greifensee with its reed beds, gradually giving way to the busy, rolling landscape of the Zurich Oberland. Panoramic views of the Alps and buzzing brakes to Rapperswil on the waters of the Zürichsee.

Mark route  
Mark section  
More information

**Goldküste–Limmat**  
Stage 1 Rapperswil–Zürich

In earlier days, impressive estates were built on the Pfannenstiel, today expensive villas line the shores of the Zürichsee, where protected private and public property taunt each other, until Zurich's stylish leisure & pleasure seekers take over the scene.

Mark route  
Mark section  
More information

Coordinates (m): 704575, 231764 | Geodaten © swisstopo (5704000138) | Publishing credits | Copyright & privacy policy | Contact | Legend

Partner: Switzerland

Share link



# Ausblick

- Daten -> *räumliche* Daten
- Erstellung Tourenführer
- Erweiterungen mit ERP Funktionen





# Danke für die Aufmerksamkeit!

## Kontakt:

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... oder am Stand



to camp 

camp **to** camp

INNOVATIVE SOLUTIONS  
BY OPEN SOURCE EXPERTS