

FzOAM MAP KEY

Current version:

0.0.1, 04/06/20

last update of the map key: **04/06/20**

USAGE:

FzOAM is made for **sparsely populated/mapped areas or countries**, mostly backcountry usage, e.g. the outback of Australia, Iceland outside of the cities etc.

All content is shown as soon as it is contained in the map. Therefore the colored dots at low zoom levels aren't necessary. **In densely mapped areas this theme may become slow and unclear.**

FzOAM can help to find specific things in the map - just activate only the overlay which you want to view and not the others (e.g. "Amenities" if you are looking for drinking water) and then all appropriate symbols are shown as soon as possible.

MAP STYLES:

FzOAM contain several map styles which **can be chosen within the app** (how this works depends on the app).

Depending on the map style some captions and symbols are shown sooner, later or not at all. Every map style has a different default selection of overlays which are shown, and for every map style different options are possible.

Hiking

Key aspect is to have good overview for all features which are relevant for **mountain hiking** and perceptibility of paths and track, especially their difficulty and character (or if there isn't any information about that).

Cycleways which are allowed for pedestrians look similar to footways. As "Hiking" is the basis for the other map style characteristics like the display of landscape features are included in those.

City

This is a **light version** which is especially useful in cities, for example for sightseeing or for everyday life.

Neither hiking nor cycling routes are shown.

The highly emphasized footways and paths of "Hiking" are discreet and difficulty and visibility is not marked. Cycleways which are allowed for pedestrians look similar to footways.

Additionally for better overview at lower zoom landscape and protected area names and colored dots are missing. Therefore this variation is most suitable for finding names of settlements.

A public transport network can be overlaid.

Cycling

As this is a cycling version instead of hiking routes **cycling routes** are shown strongly. The highly emphasized footways and paths of "Hiking" are slimmer and difficulty and visibility isn't marked. Cycleways are strongly emphasized and surface information is shown if it's in the map data. Ways where cycling isn't allowed are marked with a turquoise cross hatch.

Mountainbike

Based on "Cycling" this map style shows MTB difficulty levels on tracks and paths, visibility of paths and MTB routes.

MAP KEY:

Captions

- **Dark Blue** are settlements. For best view of place names in FzOAM use zoom 12/13, as points of interest can collide with place names at zoom 14 and larger.
- **Black** are peaks.
- **Red** are alpine huts.
- **Grey, dark green and brown** are landscape names.
- **Green with white outlines** are protected areas.

Other colors of captions are those of the assigned symbols.

Symbols

I hope that the symbols are mostly self-explanatory. Additionally, you can find an overview image of all symbols including their names by opening the image linked below. This image is also included in the PDF map key available above.



The colors mean:

- Light blue means transport and accommodation

- Brown means food, amenities and tourism

- Grey/Black means small (natural) details or man-made

- Pink means health care

- Purple means shopping

- Green means sports or education

Most symbols are appearing at zoom 14 or higher, some important points of interest are marked earlier by colored dots:

(Hiking/Cycling)

● Alpine hut

● Camp site

● Hospital

Public transport stations

Public transport stations are marked by

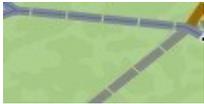
colored dots:

- Bus stop (large: bus station)
- Tram
- Subway
- Railway
- Ferry

Paths and Footways



Brown - unpaved path/footway (or path without surface information) without difficulty information



Grey - paved path/footway (or footway without surface information) without difficulty information, on the top one cycling is also allowed (only in hiking mapstyle)

Hiking paths

(Hiking)

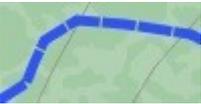
Path difficulty uses the SAC hiking scale, however the colors here are according to those used in the eastern alps.

Additionally trail visibility (if it's available in the data) is marked by how the paths are dashed.



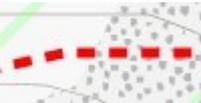
Yellow - Hiking: flat or slightly sloped, no fall hazard, SAC T1;

in the example without information about trail visibility (this is only shown on paths with difficulty information): long dash, short dash, short spaces



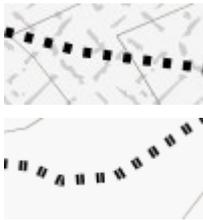
Blue - Mountain hiking: partially steep, fall hazard possible, SAC T2;

in the example trail visibility is excellent or good: very long dash, short spaces



Red - Demanding mountain hiking: not always visible, may be secured, hands may be needed, partly exposed with fall hazard, SAC T3;

in the example trail visibility is intermediate: medium length dashes and spaces



Black - **(Difficult/demanding)**
Alpine hiking/Via Ferrata: no trail, very exposed, climbing, glaciers etc., SAC T4-T6;

only with adequate experience, inform yourself



about it before you go;
 in the example trail visibility is bad, horrible or no visibility:
 short dashes, long spaces

additionally T5 paths dashes are broken vertically, T6 vertically and horizontal

Safety measures

On some paths fixed safety measures are included in the maps:



A cable, chain or rope to hold on to; here the grey dots on the path mark the length of the area with safety ropes



Rungs, stemples, pins



A ladder

Via ferratas

Via ferratas are marked with thick grey bars

and a green via ferrata symbol. Depending on how the data is mapped they can have two different styles:



Mapped as via ferrata



Mapped as a path (including hiking difficulty)

Hiking routes

(Hiking)

Hiking routes are rendered below paths and tracks starting at zoom level 14, till level 13 transparent above them.

International hiking routes are **blue**.

National hiking routes are **red**.

Regional hiking routes are **green**.

Local and other hiking routes are **yellow**.

Waymarks can be overlaid; in lower zoom levels only a small symbol with the background color is shown. If a waycolor is given, it is marked along the trail with colored dots.



In this example an international hiking route in blue with a violet symbol called VAA49 and a regional hiking route in green with a red symbol and the number 211 can be seen.

Cycling routes

(Cycling/Mountainbike)

Cycling routes are rendered below streets starting at zoom level 14, till level 13 transparent above them.

International cycling routes are blue

National cycling routes are red

Regional cycling routes are violet

Local cycling routes are turquoise

Mountain bike routes are greenish yellow



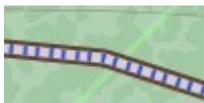
In this example a regional cycling route in violet that goes from south-west to north-east, besides a national route in red and a local route in turquoise.

Mountain bike difficulty levels

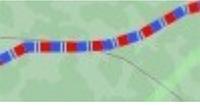
(Mountainbike)

Mountain bike difficulty levels are shown according to the MTB Scale, you can find all details there.

Additionally trail visibility (if it's available in the data) is marked by how the paths are dashed.



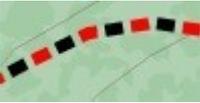
S0: Blue bars on ways: no special driving skills required. In this example you can see how it is shown on tracks.



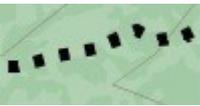
S1: Blue-red bars on ways: basic driving skills required, obstacles can be passed over; in the example without information about trail visibility



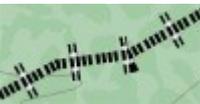
S2: Red bars on ways: advanced driving skills required; in the example trail visibility is excellent



S3: Red-black bars on ways: very good bike control required; in the example trail visibility is good or intermediate



S4: Black bars on ways: at least perfect bike control with trial skills required; in the example trail visibility is bad, horrible or no visibility

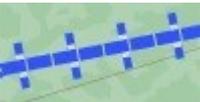


S5/S6: **Several thin** black bars on ways: excellent mastering of special trail techniques required or nearly completely impassable; in the example without information about trail visibility

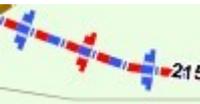


Easy hiking path: Yellow bars alternate with brown bars: if MTB scale isn't available it is possible to mark easy hiking paths (according to SAC T1, see above) with an overlay. If and how those are rideable isn't for sure, and if it is allowed to ride them depends on local legislation.

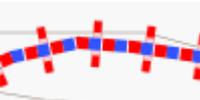
MTB Scale uphill is marked by horizontal dashes under ways:



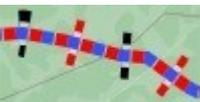
0: Blue dashes: 15% incline max.



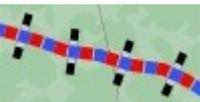
1: Blue-red dashes: 20% incline max, the two bars with different length also mark the uphill direction - the shorter one points uphill.



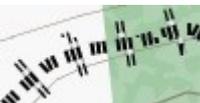
2: Red dashes: 25% incline max.



3: Red-black dashes: 30% incline max



4: Black dashes: 40% incline max



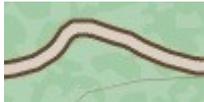
5: Two thin black dashes: uphill riding not possible.

Tracks

Forest tracks and agricultural roads are marked in Openstreetmap by grade:



Paved track



Unpaved track, gravel road



Track made out of a mixture of gravel and dirt



Track mainly made out of dirt/grass, some gravel



Track only made out of dirt/grass



Track without grade



Bridleway

Cycleways and road surfaces

If a normal road (not tracks/paths) or cycleway (when using cycling/mountainbike) has a different surface than asphalt or another flat sealed surface it is marked as following, if the "surface" is included:



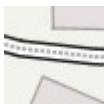
Cycleways have a **blue border**. This only means that cycling is allowed here. If the border is a continuous line, the way is paved, dashed means unpaved or unknown. The picture shows an emphasized cycleway in the cycling map style without surface information, which is marked by thin stripes along the way.



Cycleway which might need a cross-country bicycle because of steepness/roughness (only in cycling mapstyle, not MTB)



paved/asphalt



paving stones or similar



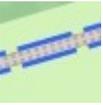
cobblestone or similar



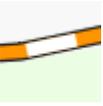
compacted unsealed road



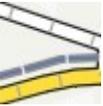
loose gravel



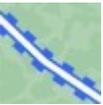
natural ground



Option "extended road surfaces": paved/asphalt (on major roads white alternating with color of road importance, on normal roads just white)



Option "extended road surfaces": no road surface information available



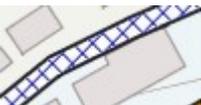
Option "emphasized paved cycle paths" (Cycling)



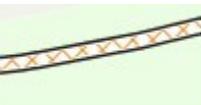
Option "emphasized paved footways" (City)

Access limits

Only those access limits are shown, which are valid for the mode of transportation the map style is intended for. In "Hiking" only if they are valid for pedestrians. In "Cycling"/"Mountainbike" only, if they are valid for cyclists. In "City" only general access limits.



Local traffic only - only when travelling to this area.



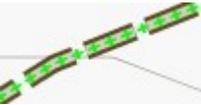
Private road - only with permission of the owner.



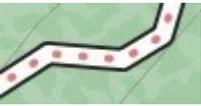
No access allowed.



Pedestrian access only.



Option marking of permitted foot/cycle paths: usage permitted - important for countries like England, where e.g. a track can only legally be used if it's permitted for this track



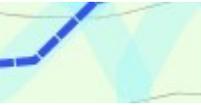
toll road, marked by red dots



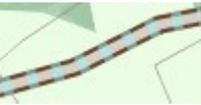
only use with permit (might be with costs), marked by red dots

Winter sports

To avoid collisions or not so nice areas ski and sled pistes are marked unobstrusively:



Ski piste (with hiking path)



Sled piste (on track)



cross-country ski-tracks

Landscape



Residential area



Farm, agriculturally used area with residential

buildings, shelters, stables, garages, silos etc.



Business, mall or area with predominant retail

shops



Administration, offices



Industrial area or industrial estate,

predominantly workshops, factories or warehouses;

Area used for rails, railway property



Garages



Dump, disposal site



Construction site (but also fallow)



School, college, university (campus or

building); Public buildings



Aerodrome



Park, green space, dog park



Zoo also leisure park, theme park, museum



Picnic ground



Camping ground



Carvan ground



Wood, forest mixed



Wood, forest coniferous



Wood, forest deciduous



Meadow, green areas



Farmland



Wetland meadow, also saltmarsh; Reeds,

bulrushes; Swamp; Bog, fen



Rock



Heath, dwarf-shrub



Uncultivated land, undergrowth, bush



Fell, mountain meadow



Scree, loose rocks



Glacier, area covered with ice all year round; Ice

rink



Mining above ground, quarry, pit (gravel, clay,

...), open-cast mining



Ground covered with sand, none or sparse

vegetation; Beach



Orchard, fruit plantation, cultivated area with

trees or bushes for food production



Vineyard



Garden plot, allotment



Golf course



Graveyard



Crevasse



Crater



Body of water



Intermittent body of water

(sometimes water, sometimes dry)



Military area



Protected area



Strictly protected area



Aboriginal lands



Cultural or historical attraction area



Outdoor swimming area



Cliff, rock face



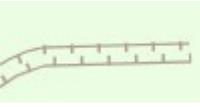
Ridge, arete



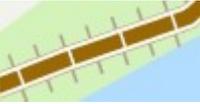
Earth Bank



Gully



Ditch



Dyke



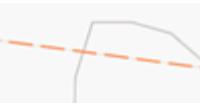
Embankment



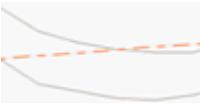
Prominent Tree



Spring



Powerline, high voltage



Powerline, low or medium voltage

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Elements by Tobias Kühn

fzk-outdoor-contrast by Stephan Brugger

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Elevate map key - symbols:

Adit disused	Adit	Aerialway station	Airport	Alpine hut low zoom	Alpine hut private	Alpine hut winter	Alpine hut	Apartment	Archaeological
Artwork	ATM	Attraction	Bakery	Bank	Bar	Beach resort	Bench	Beverages	Bicycle rental
Bicycle shop	Biergarten	Block	Bollard	Books	Border control	Boundary stone	Bridge movable	Buddhist	Bunker disused
Bunker	Butcher	Cable car	Cafe	Calm	Camp site low zoom	Camp site	Car shop	Caravan site	Castle
Cave entrance	Chair lift	Chalet	Chemist	Church	Cinema	City major capital	City minor capital	City	Cliff
Climbing	Convenience	Cross	Cycle barrier	Dentist	Doctors	Dollyou rset	Drag lift	Drinking water	Embassy
Emergency access point	Emergency phone	Farmyard	Fastfood	Firebrigade	Ford low zoom	Ford	Fountain	Fuel	Gate private
Gate	Geyser	Golf	Gondola	Goods lift	Guidepost	Gym	Helipad	Hindu	Hospital low zoom
Hospital	Hostel	Hot spring	Hotel	Hunting stand	Info board	Info office	Info terminal	Information	Kindergarten
Kissing gate	Ladder	Laundry	Library	Lift gate	Lighthouse	Mall	Market place	Memorial plaque	Memorial statue
Memorial Stolperstein	Memorial Stone	Memorial war	Memorial	Monument	Mosque	Museum	Oneway cycle	Oneway	Organic
Parking private	Parking	Peak cross	Peak low zoom	Peak	Petroleum well	Pharmacy	Picnic site	Place of worship	Playground private
Playground	Police	Postbox	Postoffice	Power coal	Power gas	Power nuclear	Power water	Power wind	PT bus station
PT bus	PT ferry	PT rail low zoom	PT rail	PT subway	PT tram	Pub	Rail funicular	Railway crossing small	Railway crossing
Rapids	Recycling	Restaurant	Ridge	Ruins	Rungs	Saddle	Safety rope	School	Shelter basic hut
Shelter picnic	Shelter rock	Shelter	Shinto	Shooting	Slipway	Soccer	Sports shop	Stadium	Stile
Stone	Supermarket	Swimming area	Swimming	Synagogue	Telephone	Tennis	Theatre	Toilets	Tower communication
Tower observation	Traffic signal	Travel agency	Turnstile	University	Via ferrata	Viewpoint	Volcano low zoom	Volcano	Water park
Water well drinking	Water well	Waterfall	Watermill	Wayside cross	Wayside shrine	Weir	Wilderness hut private	Wilderness hut	Windmill
Windup	Zoo								