

Austria

Geography

Austria is a central European country, that stretches over an area of 83,000 km², that is to say 2x more than Switzerland, almost 3x more than Belgium, but 3x less than the United Kingdom 4x less than Germany.

It holds the record for neighborhood, since it is bounded by 8 different states: from the west, Switzerland, Liechtenstein, Germany, Czech Republic, Slovakia, Hungary, Slovenia and Italy.

It is made up of 9 regions (Länder) that we've used as structure of the Challenge. Vienna has been associated to Lower Austria (Niederösterreich), considering its smallness.



The territory is divided in 3 physical regions:



-The Alps occupy two thirds of the country in the western part and in the centre. They belong to the Central Eastern Alps:



-The Prealps surround the Alps in the north and east, south to the Danube. They cover 25% of the territory.

-The Granite Plateau is located north of the Danube (10% of the country).

The national highest point is the Großglockner (3798m), at the limit between Tyrol and Carinthia. We can admire it at Kaiser-Franz-Josefs-Höhe (246).

The other regional summits:

Großvenediger (3662m), at the limit Salzburg / Tyrol, to the west of the Großglockner. In the Challenge, it lies between Zillergründl (078) and the Felbertauerntunnel (081).

Piz Buin (3312m) in Vorarlberg, to the south of Bielerhöhe.

Hoher Dachstein (2995m), at the limit of Styria and Upper Austria. Close to our 208.

Schneeberg (2076m) in Lower Austria.

Geschriebenstein (884) in the Burgenland. It's our 297.

Hermannskogel (542m) in Vienna. It's above the Kahlenberg (173).



The Großglockner from KFJ Höhe



Dachstein

Tourism in Austria

UNESCO

The Challenge visits a few World Heritage sites:

-The Wachau Cultural Landscape. The Wachau is a part of the Danube Valley between Krems and Mel (Jauerling, Dürnstein and Aggstein Castle Ruins and the Göttweig Benedictine Abbey).

-The Historic Centre of Graz, below the Schloßberg.

-The Historic Centre of Salzburg, near the Kapuzinerberg.



Aggstein and the Wachau (Danube)



The Semmering Railway

-The Semmering Railway, that we can see in the first part of Sonnwendstein.

-The Hallstatt-Dachstein / Salzkammergut Cultural Landscape.

The Hallstätter See is a sublime lake. Asphalt exists in Salzberg, but a MTB is required to reach the viewpoint Memory of Mankind. One side of the Paß Gschütt starts by the lake, you'll have to ride along it before climbing the Koppen Paß and the western side of the Pötschenpaß isn't far from it.

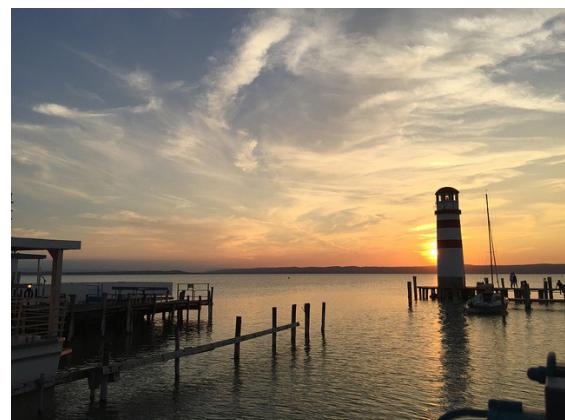
-The southern side of the Dachstein can be seen from the road coming from Schladming.

-The Neusiedler See / Fertö Cultural Landscape

Martinplatz'l (Burgenland) towers above the lake (more or less 100m).



Hallstätter See



Neusiedler See

National Parks

<https://www.nationalparksaustria.at/en/>

Austria has 6 national parks. We visit or approach 5 of them. From west to east:

-Hohe Tauern: Speicher Zillergründl, Kolm-Saigurn, Kaiser-Franz-Josefs-Höhe, Hochtor, Zirknitztal (Großsee) and Mölltaler Gletscherstraße.

-Nockberge: Nockalm-Höhenstraße.

-Kalkalpen: no mountain road enters it, but the Hengstpaß is very close.

-Gesäuse: we approach it thanks to Oberst-Klinke-Hütte and Buchauer Sattel.

-Thayatal: Merkersdorf.

-Neusiedlersee (see UNESCO): Martinplatz'l.

The 6th, Donau-Auen, is located by the Danube and has no interest for us.



Zillergründl in the Hohe Tauern NP



Hardegg in the Thayatal NP

Regional Parks

In 2022, there were 48 Regional Parks in Austria (6,120km²). Interactive map and description on <https://www.naturparke.at/naturparke>.

The Challenge visits 16 of them, listed by Land (summits are between brackets):

Tyrol: Tiroler Lech (Hinterhornbach, Edelweißhaus and Gaichtpass), Karwendel (Hafelekar, Halltal and Eng), Kaunergrat (Pillerhöhe and Kaunertal), Ötztal (Rofen and Stuibfall Aussichtsplattform) and Zillertaler Alpen (Schlegeis Stausee, Grüne Wand Hütte and Speicher Zillergründl).

Oberösterreich: Attersee-Traunsee (Taferlhöhe and Gmundnerberg).

Niederösterreich: Heidenreichsteiner Moor (homonym), Leiser Berge (Buschberg) and Jauerling-Wachau (see UNESCO) and Hohe Wand (homonym).

Styria (Steiermark): Steirische Eisenwurzen (Buchauer Sattel), Sölktaler (Sölkpaß) and Pöllauer Tal (Kreuzwirt et Rubland).



The Attersee



The Sölkpaß

Carinthia (Kärnten): Weissensee (Kreuzbergsattel) and Dobratsch (Villacher Alpenstraße).

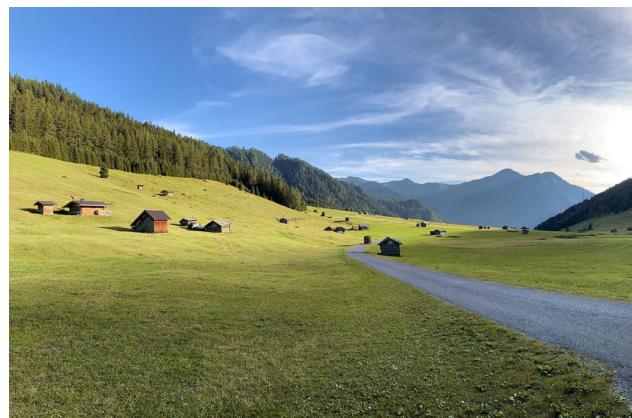
Burgenland: Neusiedlersee / Leithagebirge (Leithaberg and Martinplatz'l), Geschriebenstein Irott-kö (homonym).

We ride across two nature reserves : Ammergebirge (Ammersattel) and Lainzer Tiergarten (Wienerblick Baderwiese above Vienna).

Pfundser Tschey is a wonderful site.



Dobratsch



Pfundser Tschey

Scenic roads

They are numberless in Austria. One out of four summits is accessible by a green road on the Michelin maps. Among others, 14 Panoramastraßen: Innerberg Panoramastraße, Silvretta Hochalpenstraße (Bielerhöhe), Timmelsjoch Hochalpenstraße, Zillertaler Höhenstraße, Pustertaler Höhenstraße (1st part of Hochstein), Höss Bergstraße (Hutterer Böden), Loser-Panoramastraße, Stoderzinken Alpenstraße, Grossglockner Hochalpenstraße (Kaiser-Franz-Josefs-Höhe and Hochtor), Goldeck Panoramastraße, Villacher Alpenstraße (Dobratsch), Am Tschiernock Panoramastraße, Nockalm Höhenstraße and Koralpen Höhenstraße (Großer Speikkogel).



Loser Panoramastraße



Ziller Höhenstraße

A few viewpoints: Pfänder above the Lake Constance (Bodensee in German), Ehrwalderalm below the Zugspitze (German highest point at 2962m), Seegrube (plunging view of Innsbrück) Stuibefall Aussichtsplattform (Stuibefall is a 159m high waterfall), Moldaublick, Gmundnerberg above the lake Traunsee, Tannberg, Gaisberg above Salzburg, Ulrichschlag on the Danube, the troika Kahlenberg, Jubiläumswarte and Wienerblick Baderwiese in Vienna, Plattenberg (Kaiserin Elisabeth-Warte), Hockeck (Meyringer-Warte), Sonnwendstein, Loseralm, Dachstein, Hochwurzen above Schladming, Fürstenstand above Graz, Stuhleck, Gerlitzen, Kanzelhöhe Observatory, Pyramidenkogel above the Wörthersee, Guglhupf, Geschriebenstein Aussichtsturm / Írott-kő,...



Pfänder above the Lake Constance



Pyramidenkogel

Rivers

The national anthem is 'Land der Berge, Land am Strom' ('Land of the mountains, land by the river'). Let's have a look on the main stream, the **Danube**. It comes from Germany, flows through the north-eastern part of the country (Upper and Lower Austria), before passing in Slovakia. Along its 350 Austrian km, it passes through Linz and Vienna.



Maria Taferl Basilica

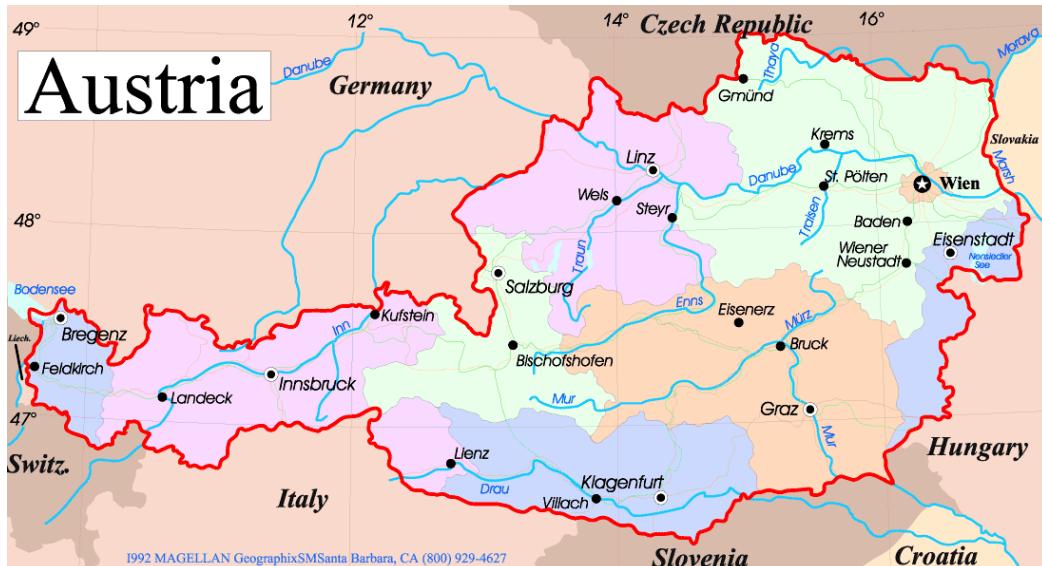


The Kahlenberg (to the left)

In Upper Austria, it can be seen at the foot of 101-Vichtenstein, 102-Feichtberg, 093-Falkenstein, 094-Haar, 096-Lichtenberg, 098-Mauthausen and 100-Dimbach.

In Lower Austria: 161-Nabegg, 162-Hengstberg, 164-Maria Taferl, Jauerling , 166-aggstein, 168-Weinzierl am Walde, 169-Dürnstein, 171-Hainbuch, 172-Bisamberg and finally 176-Braunsberg.

In Vienna, the Danube flows at the foot of 173-Kahlenberg.



The **Inn** rises in Switzerland and flows into the Danube in Passau. In Austria the river flows through the Tyrol, of which it forms the backbone. In the direction of flow we'll see it at the foot of 056-Hinterkobl, 055-Pfundser Tschey, 054-Möseralm, 053-Oberer Asterhof, 052-Pillerhöhe, 051-Schloßweg in Landeck, 041-Buchener Höhe, 068-Axamer Lizum upstream from Innsbrück ; at the foot of 042-Hafelekar in Innsbrück itself ; of 043-Halltal, 045-Maurach am Achensee and 046-Brandenberg downstream.

The **Drava** ('Drau' in German) is 750 km long. It rises in Italy, near Dobbiaco upstream from Lienz, we see it at the foot of 084-Volkzeiner Hütte, 086-Kartitscher Sattel-NW, 087-Hochstein, and downstream at the foot of 089-Iselsbergpaß-SW. That's for Tyrol. In Carinthia, 256-Emberger Alm, 258-Kreutzbergsattel and 257-Goldeck. Then the Drava flows through Villach (263-Villacher Alpenstraße and 264-Mittewald) and at the foot of 286-Schaidasattel and 288-Soboth. Eventually it crosses the border with Slovenia, then passes in Hungary and Croatia, where it flows into the Danube, to the east of Osijek.



The Inn in Innsbrück



The Drava in Villach

The Mur rises near the 147-Hüttschlag, then it flows at the foot of Katschberg-N, 149-Prebersee, 217-Murauer Hütte, 223-Enzelsberg and 230-Rechberg-W. In Graz, it flows at the foot of 228-Schloßberg before passing in Slovenia, Hungary and Croatia and flowing into the Drava. All in all the Mur is 465 km long.

Unlike the three aforementioned rivers, the Enns is exclusively national. After 250 km, it flows into the Danube, near Mauthausen. The climbs at the foot of which we can see it : 140-Roßbrand, 208-Dachstein, 210-Hochwurzen and 211-Planai (the last three in Schladming), 209-Stoderzinken, 213-Planneralm, 212-Ritzmannsdorf, 199-Buchauer Sattel, 201-Radstatthöhle, 117-Schöfftaler Höhe and 116-Hochhub.



Graz, the Mur, the artificial island and the Clock Tower



The Enns Valley

The Challenge comes as close as possible to the 8 Austrian glaciers ('Gletscher' in German): Mölltaler (249), Kitzsteinhorn (144-Kesselfall), Dachstein (208), Hintertux (075), Stubai (067-Mutterbergalm), Tiefenbach (060-Rettenbachjoch), Kaunertal (057) and Pitztal (058-Mittelberg).



Mölltaler Gletscher



Kaunertaler Gletscher

Lakes

At the top: Bödelesee, Spullersee, Stausee Kops, Silvretta Stausee (Bielerhöhe), Maurach am Achensee, Hinterthiersee, Schlegeis Stausee, Speicher Zillergründl, Schwarzensee, Offensee, Speicher Durlaßboden (Gerlos-Hochkrimml), Tauernmoossee, Prebersee, Teichalmsee, Großsee (Zirknitztal), Hochwurtenspeicher (Mölltaler Gl.), Oscheniksee, Kölnbreinspeicher (Maltatal), Gößkarspeicher, Turracher See, Falkertsee.



Silvrettasee



Offensee

In the climb: Gepatsch Stausee and Weißsee (Kaunertal), Altausseer See (Loser Hütte), Erlaufsee (Zellerain), Speicher Längental (Kühtai).

At the foot: Lake Constance (Pfänder and Gebhardsberg), Attersee (Taferlhöhe), Traunsee (Gmundnerberg), Hallstätter See (Paß Gschütt), Kolomansberg (Irrsee), Herz-Jesu Kapelle (Zellersee), Millstätter See (Am Tschernock and Lammersdorfer Berg), Ossiacher See (Gerlitzen), Keuschacher See (Pyramidenkogel), Neusiedler See (Martinplatz'l).

Stuibenfall is a 160m high waterfall.



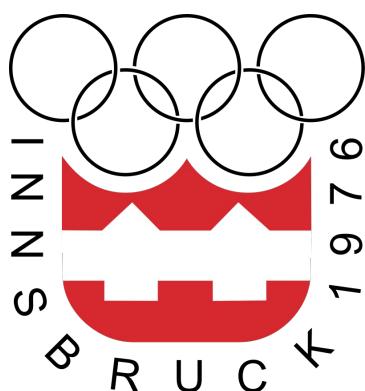
Millstätter See



Stuibenfall

Ski

Ski is a religion in Austria, they ski everywhere: 254 ski resorts. The most renowned:
-Innsbrück hosted the Olympic Games in 1964 and 1976. We'll appreciate the city in the climbs of Patscherkofel and Hafelekars.



-The 4 Alpine Ski World Cup 2021/2022 venues: Kitzbühel (Kitzbüheler Horn), Schladming (Planai, Hochwurzen, on the picture above, and Dachstein), Sölden (Hochsölden and Rettenbachjoch) and Lech-Zürs am Arlberg (Flexenpaß).

-Other resorts among the best, according to skiinfo.fr and visited by the Challenge: Ischgl (Bielerhöhe), Mayrhofen (Zillertaler Höhenstraße, Speicher Zillergründl, Grüne Wand Hütte, Schlegeis Stausee and Hintertux), Obergurgl-Hochgurgl on the road to Timmelsjoch, Obertauern (Tauernpaß).

More details on <https://www.skiinfo.fr/autriche/stations-de-ski>

-Hochfilzen is the Austrian Biathlon World Cup venue, but the 'climb' is too easy. Antholz-Anterselva is the Italian equivalent. We pass there in the southern side of Passo Stalle (Staller Sattel).

Travelski.com also mentions:

Turracher Höhe, at the limit of Styria and Carinthia.

Serfaus-Fiss-Ladis (Möseralm)

Warth-Schröcken (Hochtannbergpaß)

Wagrain (Höllenstein)

Bad Gastein (Bellevue)

Source: <https://www.travelski.com/blog/guide/destination/etranger/europe/autriche/>

Castles: Hohenbregenz (Gebhardsberg), Landeck, Schaumberg, Burg Altpernstein, Kollmitz, Falkenstein (Lower Austria), Aggstein, Dürnstein, Graz, Kornberg, Forchtenstein and Güssing.



Forchtenstein



Göttweig

Religious buildings

Abbeys and monasteries: Schlierbach, Franziskischlössl (Kapuzinerberg), Pernegg, Göttweig, Seckau and Rein (at the foot of Kainz-E).

Maria Taferl and Sonntagberg basilicas, Herz-Jesu Chapel on Mitterberg.

The Pöstlingberg pilgrimage church.

World Wars

Museum 1915-1918 (Plöckenpass).

Bunker Museum in the Austrian side of Wurzenpaß.

Concentration camps: Mauthausen, Ebensee at the foot of the Offensee and Loibl in the Austrian side of SVN-005 Prelaz Ljubelj (Slovenia).



Bunker Museum



Mauthausen

A few places of interest:

The Magdalensberg Archeological Park is a Roman town from the 1st century BC to the 1st century AD.

A memorial (a chapel and a 15m high cross) was erected on the top of the Schlößlberg to commemorate the victory of the Austro-Hungarian Empire against the Ottomans in the Battle of Saint Gotthard (1664).

Mayerling and the Kaiserin Elisabeth-Warte (Plattenberg) for the fans of Sissi the Empress.

The Talmuseum Hüttschlag, pastoral village museum.

Amethyst Welt ('World') if you like gemstones.

Granattor (Lammersdorfer Berg), a 3m high granite door frame, where starts the Love Trail.



Hüttschlag



Granattor

Cycling races in Austria



Tour of Austria logo



Gatto at the Clock Tower (Graz, prologue 2017)

The **Österreich-Rundfahrt** exists without any break since 1949 (except for the COVID-19 pandemic). The first uphill finishes appeared in 1963, with Hochtor and a 12km ITT on the Hochwurzen (Schladming). In 1964, an 3,5km ITT in Linz (Pöstlingberg), another (5km) to Pyramidenkogel (5km) in 1966, 7km to the Gaisberg in 1969, 4,5km to the Kahlenberg in 1971, 10km to the Karneralm in 1972, the Gaisberg again in 1973.

Kitzbühel appears for the first time in 1974 (3,5km ITT), Kühtai and Kaiser-Franz-Josefs-Höhe in 1977, Schlegeis Stausee and Mutterbergalm in 1983. In 1984, they climbed Pyramidenkogel a second time ; the Castle in Graz is used for the prologue (700m) in 1987 ; Pöstlingberg came back in 1988, KFJ Höhe in 1990 and Mutterbergalm in 1992. The Rundfahrt finished 3x at the top of Kaunertal in 1993, 1994 and 1996. From 2000, Kitzbühel is climbed every year, with a rather original 600m prologue at 1600m in 2016.

Other uphill finishes: Hintertux in 1994, Lienzer Dolomiten in 2005 and Semmering in 2007. The race finished 5x at the Sonnenberg from 2012 to 2018 (5 loops in 2018). Back to Kühtai in 2013, 3 times to Villach-Dobratsch in 2014, 2015 and 2016. Kahlenberg (Vienna) came in 2016, Hochtor (Edelweißspitze to be precise) came back in 2016 and the Schloßberg in Graz as prologue in 2017.

On Internet we can find the KOMs since 2005. Hochtor (8x) and Iselsbergpass (6x) are the passes most often crossed.



De la Parte in Dobratsch (2015)



Hermans below Kitzbüheler Horn (2019)

The Oberösterreich-Rundfahrt is the other Austrian high level stage race. It was created in 1999. In the Challenge we've selected the serpentine road to Turmberg, regular KOM, the uphill finish in Pelmberg-Freilichtmuseum (4x ITT from 2016 to 2019), the now classic ITT in Graz (Schloßberg, 2021) and the hill climb to Höss (2021 and 2022).



Rabitsch in Pelmberg (2017)

During the last 40 years, the **Giro d'Italia** went 7x to Austria. One single uphill finish below the Großglockner (at 2100m d'altitude) in 2011 (after a finish at Kaiser-Franz-Josefs-Höhe in 1971).

The Plöckenpaß (1990, 2006 and 2011), the Timmerlsjoch (1988) and the Brenner (also in 1988) at the border are compulsory crosssing points. The Pustertaler Höhenstraße is a very nice KOM (1994 and 2007), on one side we know it as 'Bannberg', it's the first part of the BIG Hochstein. The Giro also climbed Felbertauern and Hochkrimml in 2009.



To KFJ Höhe in 1971



At the foot of the Großglockner in 2011

The **Tour de Suisse** crossed the border 7 times since 2005. The Arlberg was crossed 4x, but we've preferred its neighbour, the Flexenpaß. Rettenbach was 3x uphill finish (Tiefenbachferner as alternative in 2017). Bielerhöhe in 2015 and Hochtannberg in 2016 complete this short but heavy list.

The **Deutschland-Rundfahrt** made a few forays into the Swiss territory, 4x consecutively from 2005 to 2008. Two uphill finishes at the mythical Rettenbach (2005 and 2007) and in Hochfügen (2008). KOM selected in the Challenge: Kühtai (2005 and 2006), Hahntennjoch (2006), Gerlospaß (2008) and Paß Thurn (2008).



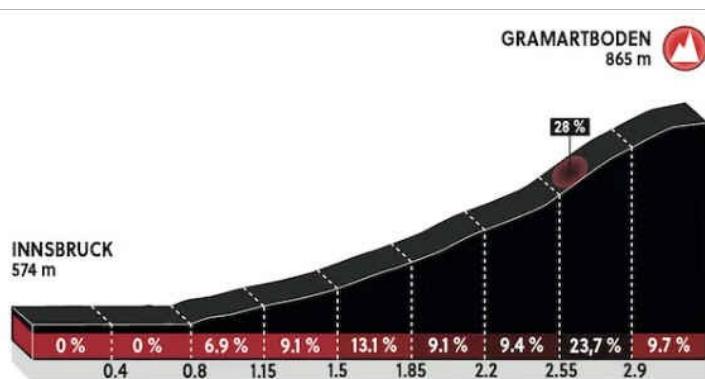
Rettenbach in the Tour de Suisse



and in Germany (2005)

The **Giro del Trentino**, which became the Tour of the Alps in 2017 comes every year in Austria since the name change. The Pustertaler Höhenstraße balcony is regular, with different KOM however : Bannberg (2018 and 2022), Anras (2018 + a uphill finish in 2016) or Sankt Justina (2017). The border crossing at the Brenner becomes systematic (2017, 2019, 2020, 2021 and 2022). The other KOM in the Challenge: Iselsberg (2013), Brandenberg (2017), Hinterthiersee (2019), Pillersattel (2020 and 2021) and Kartitscher Sattel (2022).

Austria hosted 3x the Cycling World Championships. From Villach (1987), we've chosen Mittewald. The Gaisberg is too important in comparison with the small climbs of Salzburg 2006. Gramartboden (or Höll), the final wall of Innsbrück 2018 is a must, but we've integrated it in Hafelekar.



The **Radmarathon** are too many. Just a sample:

The Ötztaler R. Crosses 4 passes: Kühtai, Brenner, Jaufen (Passo di Monte Giovo) and Passo Rombo (Timmelsjoch) in Italy.



21. bis 26. Mai 2022

A very exciting 'Tour de Kärnten', 6 stages, 800km and 8000m elevation gain, with 2 uphill finishes at the top of Magdalensberg and Dobratsch and the climb of Windische Höhe and Schaidasattel.

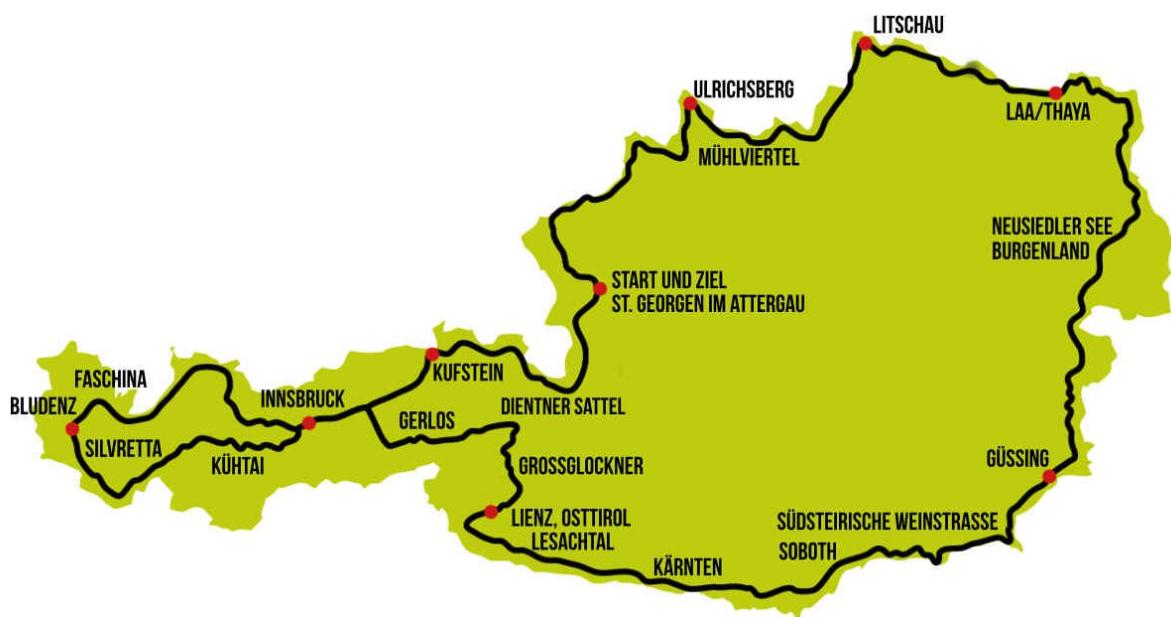
A terrible Race Around Austria, 2,200km ultramarathon with +/- 30,000m elevation gain. If you feel like it:

<https://www.racearoundaustria.at>,

https://de.wikipedia.org/wiki/Race_Around_Austria

It's a very original way to climb 12 summits of the Challenge: Merkersdorf, Geschriebenstein, Sabeth, Kartitscher Sattel, Iselsberpass, Hochtor, Hochkrimml, Kühtai, Bielerhöhe, Faschinajoch (in Furkajoch), Hochtannberg and Dientner Sattel.

The shorter version, Race Around Austria Challenge, looks like a 'Tour of Upper Austria' for beginners... in ultramarathon: 560 km and 6500m elevation gain. Hengstpaß (118) and Taferlhöhe (108) are crossed.



Race Around Austria

In conclusion, a few hill climbs:

The Höss Climb Challenge (9,5km-800m), in Hinterstoder :

<https://www.ooe-classics.at/ooe-rundfahrt/hoess-climb-challenge>



Two city hill climbs, in Salzburg and Graz : <https://cityhillclimb.com/>

Graz, we know, it's the prologue of the Tour of Austria that arrives at the top of the Schloßberg. d'Autriche qui passe par la tour de l'Horloge et qui arrive au Schloßberg. Displayed figures: 0,780km, 94m and 18% max.

In Salzburg, they climb the Nonnberg.

0,9km, 120m et 32% max.

We've preferred the Kapuzinerberg.



Salzburg Hill Climb



Jumbo in the Schloßbergmann 2016



Reither Kogel Trophy

We haven't chosen the Reither Kogel, object of a trophy after 6,4km and 554m elevation gain. In this part of Tyrol, Achensee and Brandenberg were selected.

Sport in Austria

The Austrian list is one of the most difficult, a proof of this is the number (15) of summits with more than 1500 points, among which 3 have more than 2000 : Zillertaler Höhenstraße-N (2142), Rettenbachjoch (2052), Mölltaler Gletscherstraße (2011), Großer Speikkogel (1935), Hafelekarspitze-Seegrube (1855), Kitzbüheler Horn (1686), Hochtor (1674), Oscheniksee (1656), Kaunertal (1634), Hochstein (1620), Zettersfeld (1566), Lammersdorfer Berg (1550), Ziknitztal (1537), Gerlitzen and Goldeck (1501).



The last straight line in Gr. Speikkogel



The hairpins to Hafelekarspitze-Seegrube

20 climbs have a bomb greater than or equal to 40: Hafelekarspitze-Seegrube (50), Kitzbüheler Horn and Oscheniksee (47), Zettersfeld (46), Lienzer Dolomiten Hütte, Aggstein, Steinplatte and Loferer Alm (45), Lammersdorfer Berg, Hocheck, Großer Speikkogel and Mölltaler Gl. (44), Schuttannen and Zillertaler H. (43), Hochstein, Halltal and Patscherkofel (42), Oberer Asterhof (41), Emberger Alm and Gerlitzen (40).



The hairpins to Oscheniksee



Schuttannen

We've limited the number of Alpine climbs and developed the 'non Alpine' part of the country to 1/3 of the total area. Lower Austria has 45 summits, the large majority of which is not intended for 'alpinists'. The 30 in Upper Austria have been selected according to the same logic and the 10 in Burgenland are rather easy. But Austria is Austria, that means the core of the Alpine reactor. 20 summits are higher than 2000 meters above sea level: Rettenbachjoch (2804), Kaunertal (2750), Hochtor (2505), Timmelsjoch (2474), Ziknitztal (2417), Oscheniksee (2394), Kaiser-Franz-Josefs-Höhe (2364), Patscherkofel (2245), Mölltaler Gl. (2225), Großer Speikkogel (2120), Tauernmoossee (2111), Hochsölden (2097), Goldeck (2095), Staller Sattel (2052), Nockalm (2043), Bielerhöhe (2032), Rofen (2031), Lammersdorfer Berg (2020), Kühtai (2017) and Zillertaler H. (2015).



Kaunertal



Hochtor (Fuscher Törl)

Rettenbachjoch has an elevation gain higher than 2000m and 10 other summits higher than 1400m: Kaunertal (1884), Hochtor (1692), Großer Speikkogel (1657), Patscherkofel (1635), Goldeck (1567), Mölltaler Gl. (1502), Bielerhöhe (1456), Zillertaler H. (1447), Kühtai (1423) and Ziknitztal (1404).



Patscherkofel



Goldeck Panoramastraße

In distance, 10 sides are longer than 30km: Bielerhöhe (49), Rettenbachjoch (46), Kartitscher Sattel (42), Kaunertal (39), Brenner, Hochtor and Mittelberg (37), Staller Sattel (35), Kolm-Saigurn and Furkajoch (31).



Silvretta Höhenstraße (Bielerhöhe)



Staller Sattel