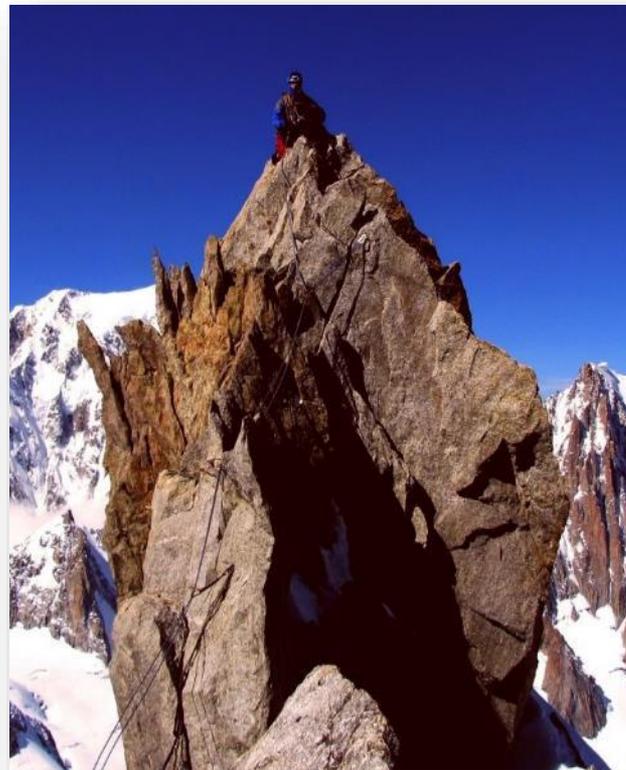
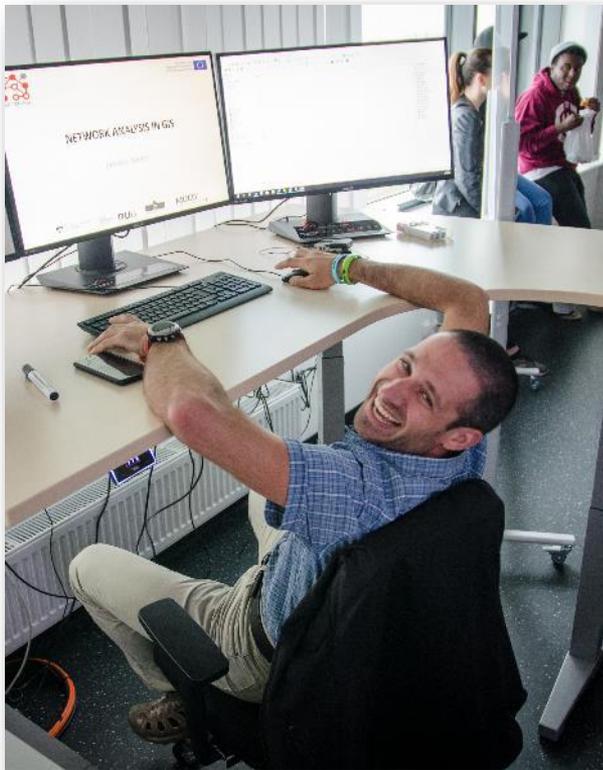


Mapy očima sportovce

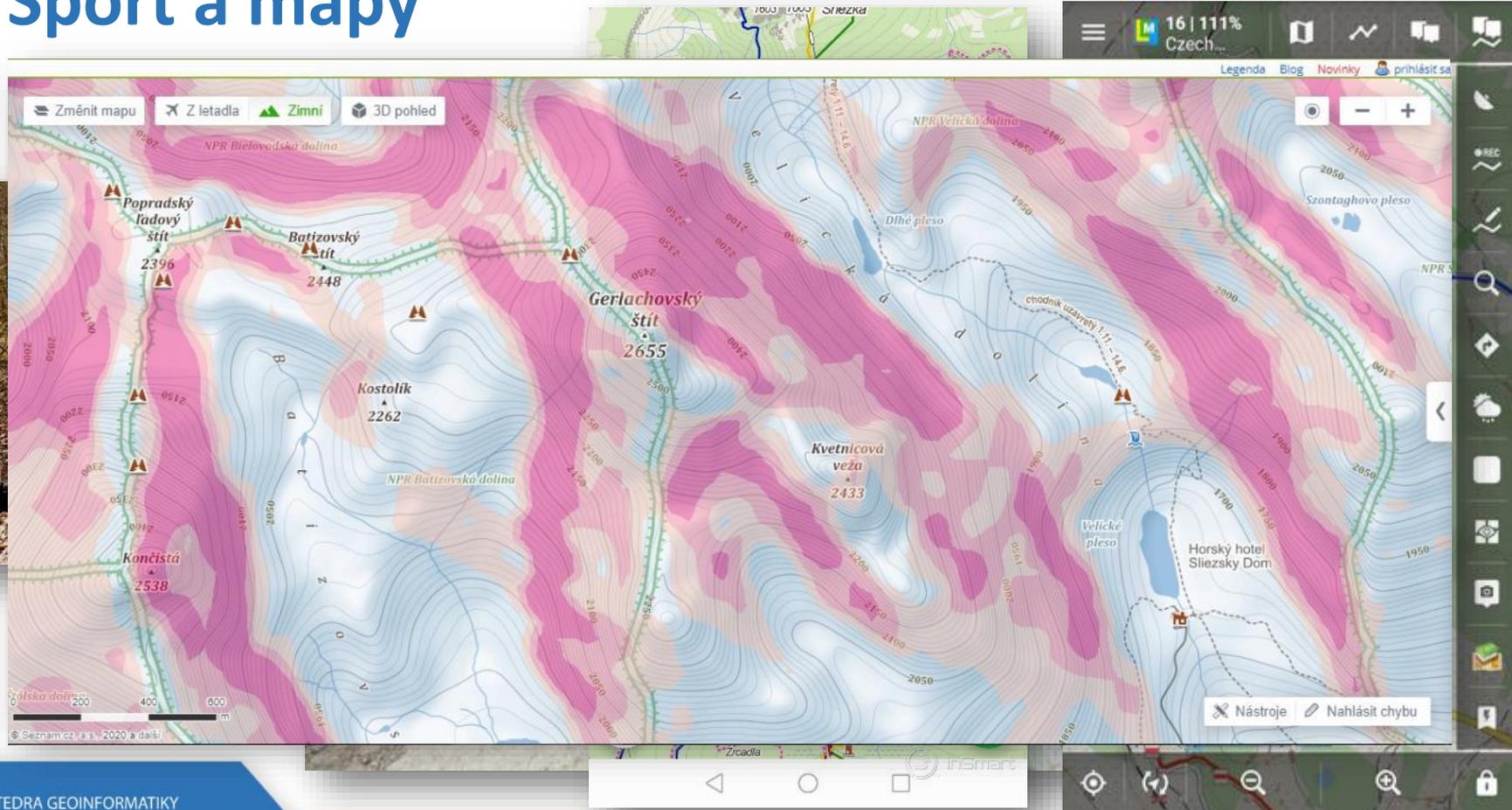
Sport očima geoinformatika

doc. RNDr. Jaroslav Burian, Ph.D.

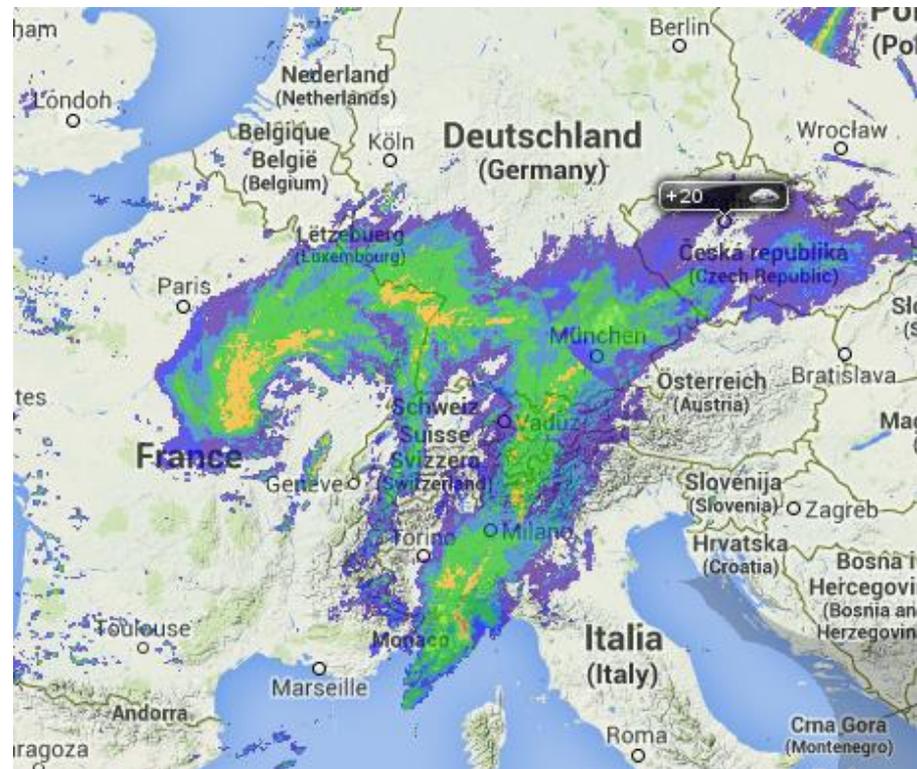
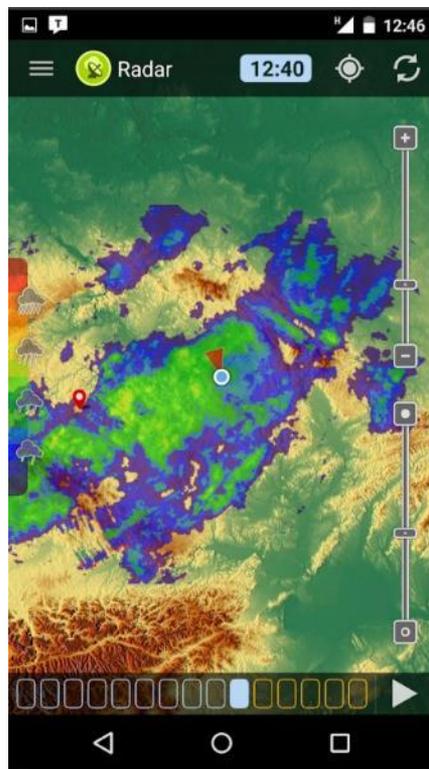
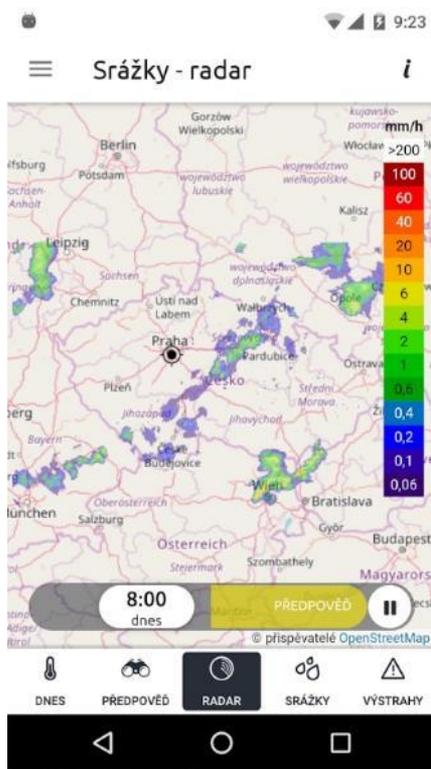




Sport a mapy



Počasí a sport



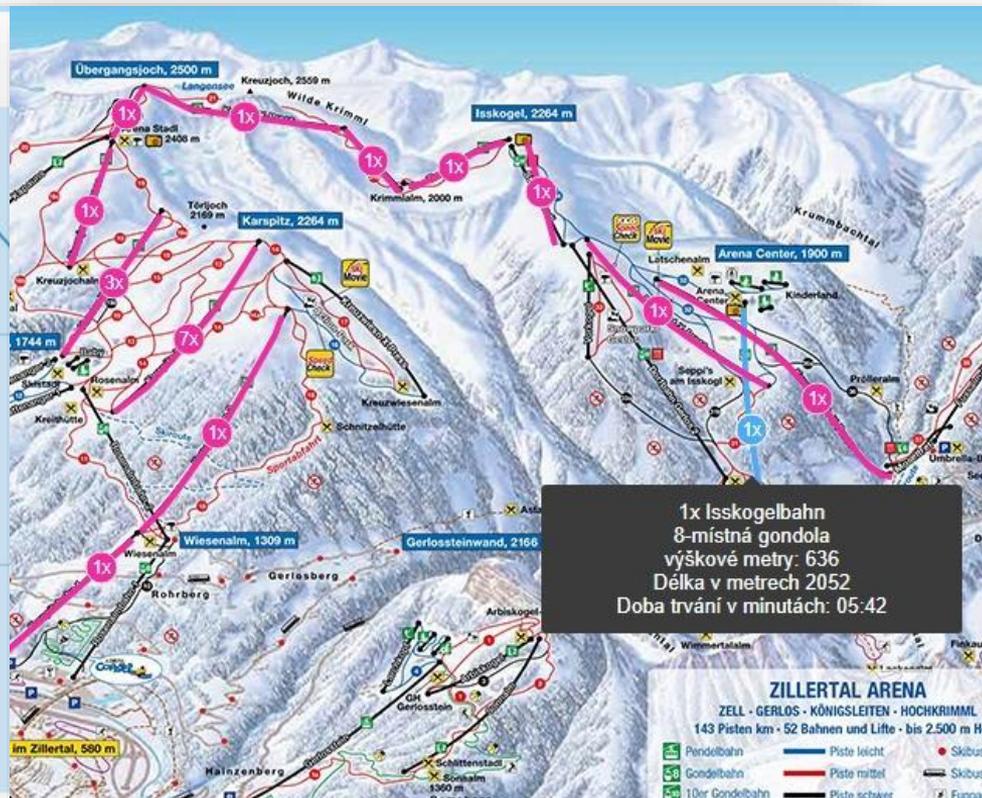
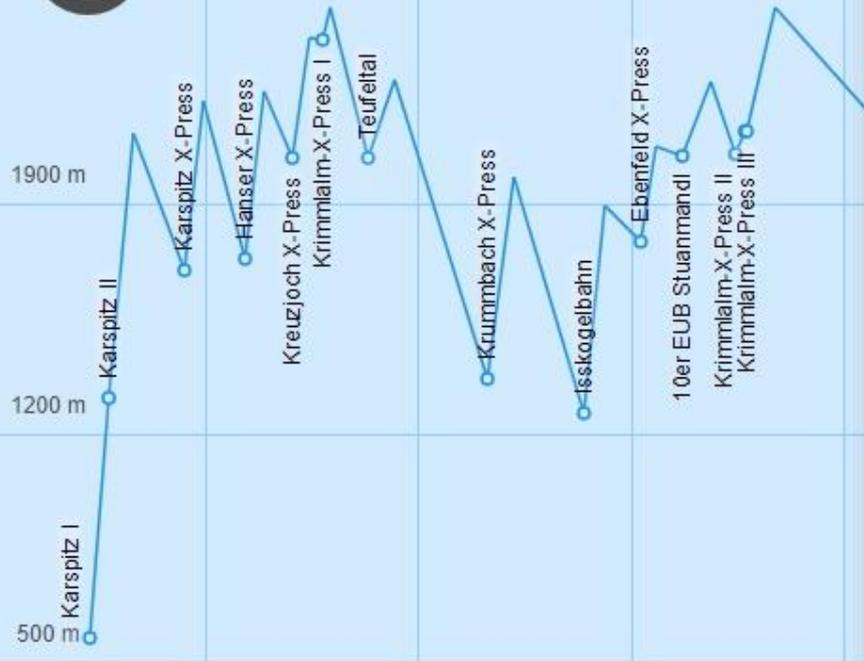
<http://www.radareu.cz/>



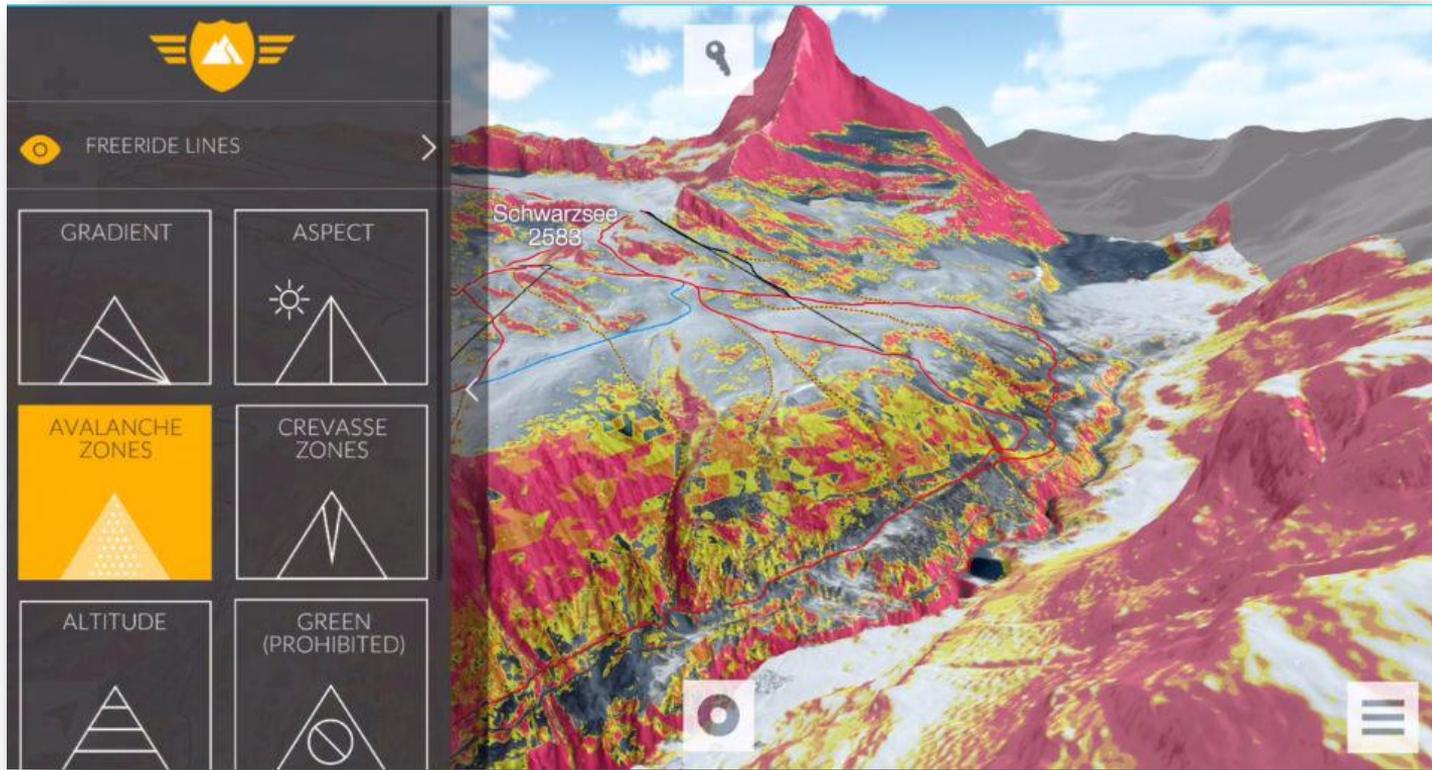
Lyžování



Jaroslav Burian, 13. února 2012, Zillertal Arena
9,617 hm, 61 kilometry sjezdovky, 21 jízdy vlekem, 430 minut zábavy



Fatmap

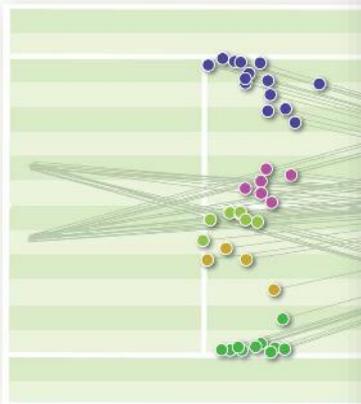


Vizualizace v tenise

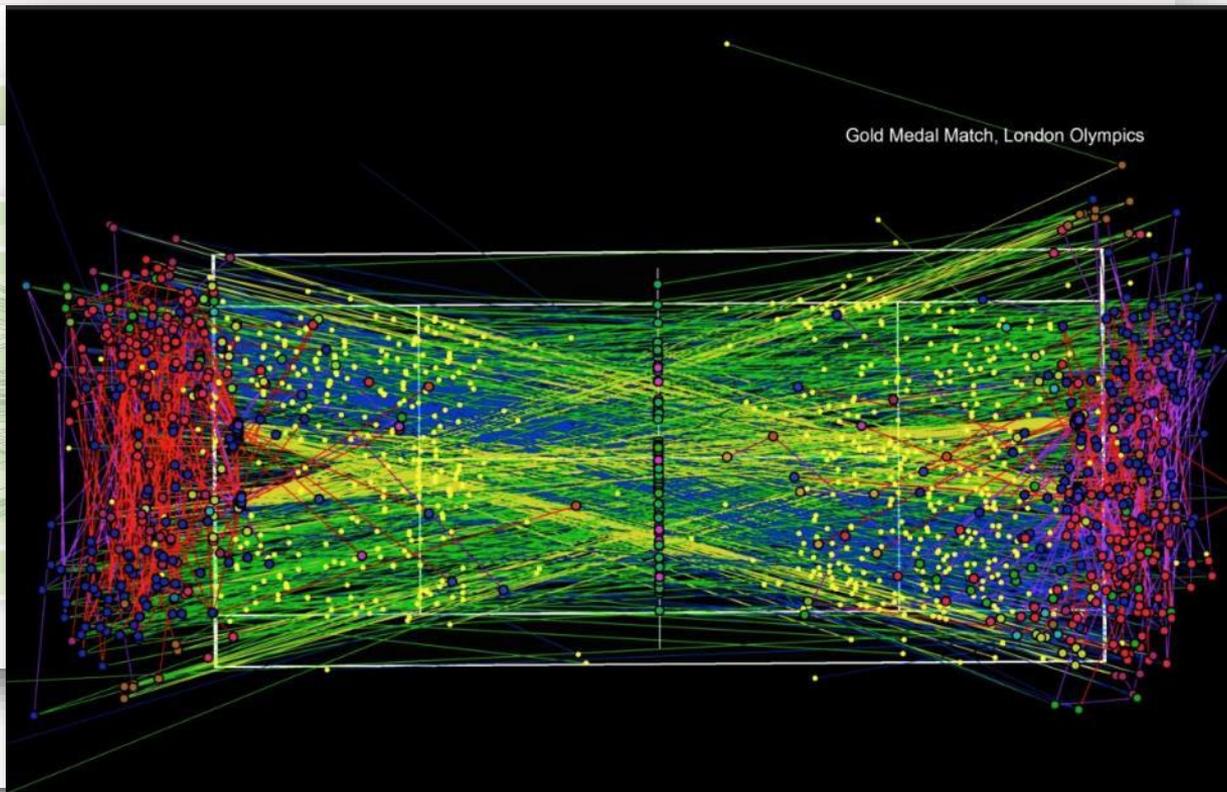
 Federer



 Federer



 Most important



ndemaj 

aj 



Záznam



Asus Nexus Tablet (Strava)



Jaroslav Burian

February 22, 2020 at 9:52 AM



Zacatek trochu neupravene, uklouzane, ale rychle, potom trochu pomalejsi a lehce borici, ale jinak parada

Distance	Pace	Time
28.10 km	4:22 /km	2h 2m



14 kudos · 5 comments



Jaroslav Burian

23 hours ago

Ja mam optickej snimac a ten je tak +/- 30% oproti skutecnosti. Navic v zime to mivam na



Přesnost nadmořské výšky

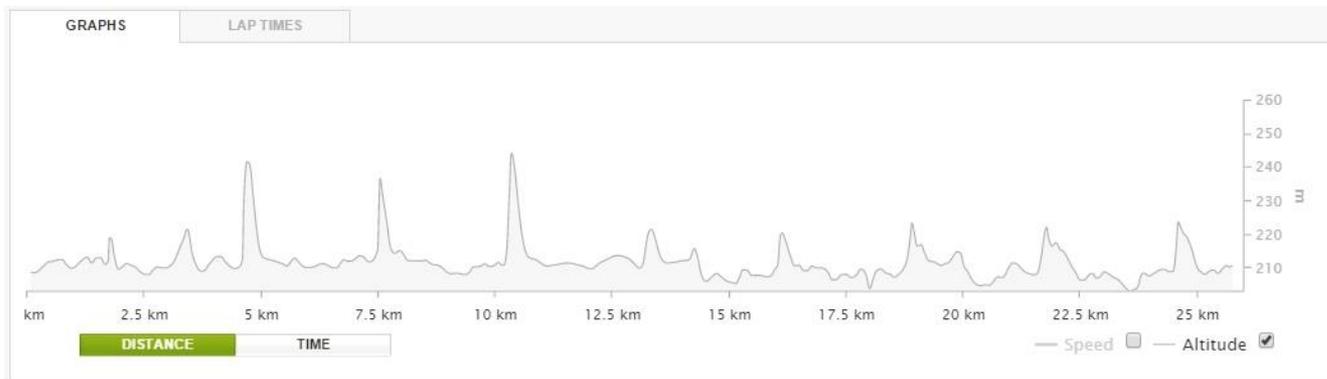
Výškoměr

30 m převýšení

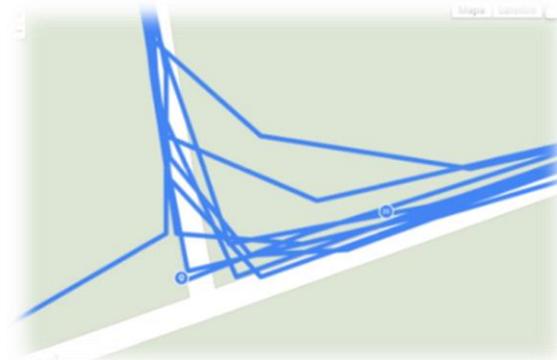
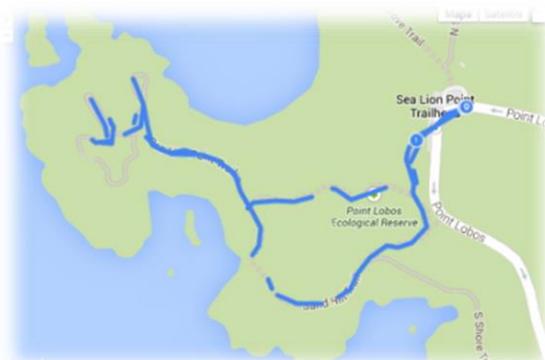
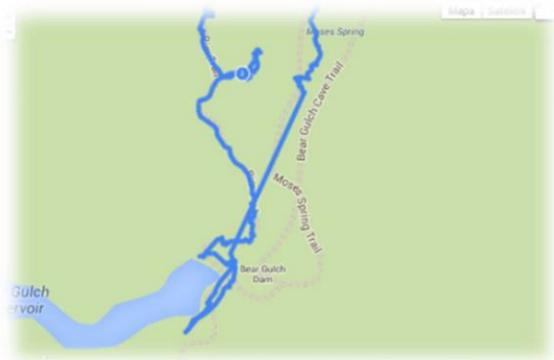


GPS

220 m převýšení

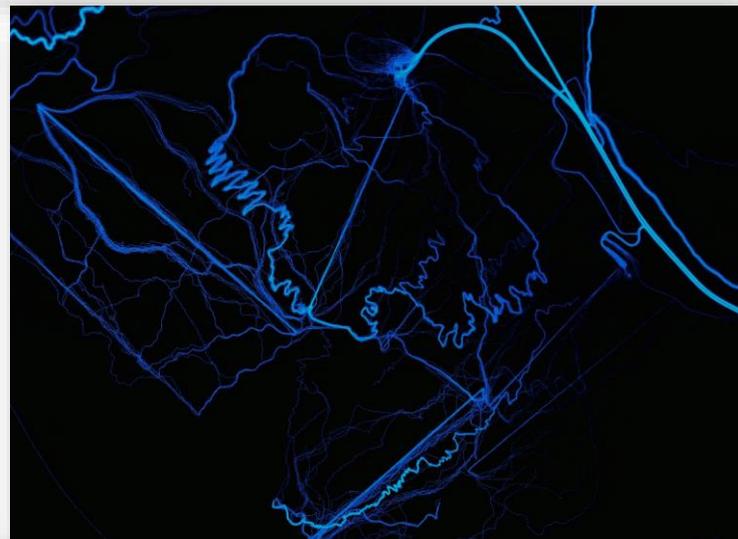
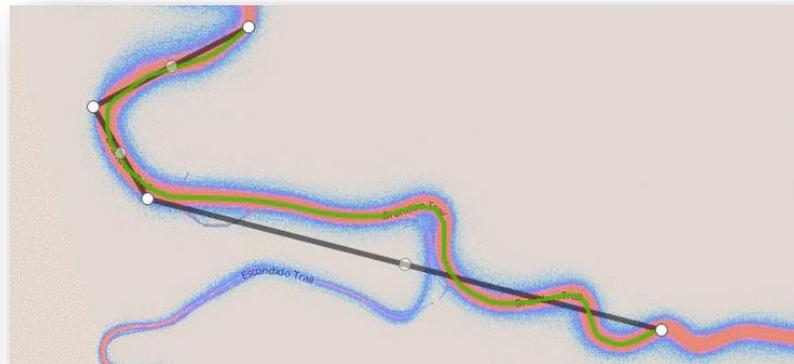


Polohové chyby

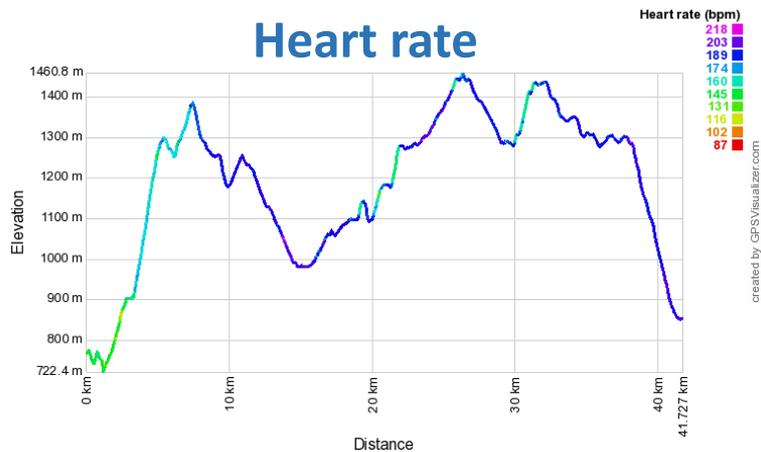


Post processing

- Automatická oprava chyb
 - Odstranění „podezřelých rychlostí“
 - Odstranění křížících se linií
 - Snapping linií
- Možnosti opravy
 - Nástroje v rámci používaných aplikací
 - Specializované webové aplikace
 - <http://garmin.kiesewetter.nl>
 - Desktopové aplikace
- Tvorba segmentů
- Tvorba heat map



Heart rate



Slope



Speed



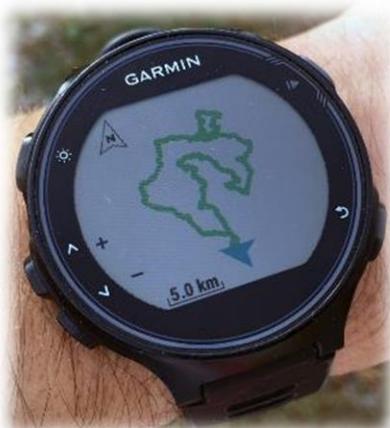
Pace



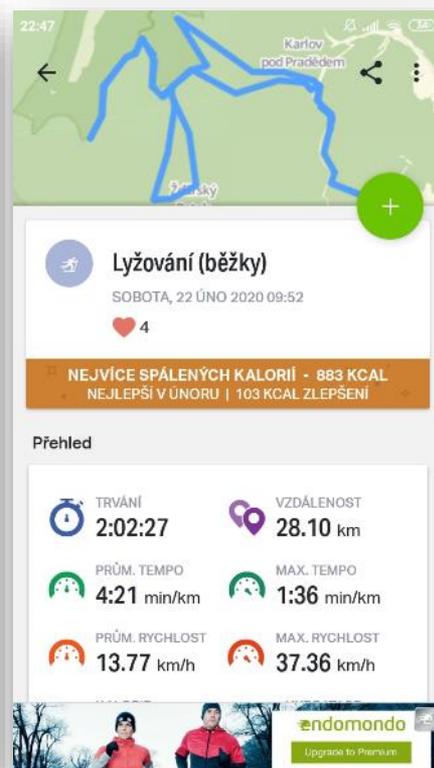
Mapy v hodinkách



Compatible with
ExpertGPS



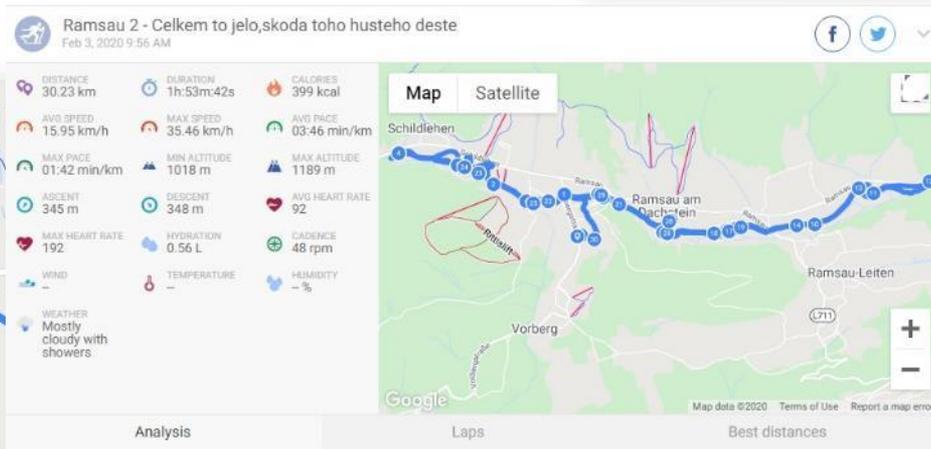
Sportovní aplikace



Endomondo



Analysis



Analysis

Laps

Best distances

Laps

Best distances

Distance Duration

Speed Altitude Heart Rate Cadence



Strava



<https://www.strava.com/>



Strava Segmenty



Name	Time
Tofana di Roses uphill	1:52:20
Passo Falzarego Climb	24:13
Passo Falzarego Climb	16:09
Show 1 hidden effort	



Tofana di Roses uphill

2.25 km 670 m 30% [Set Goal](#)

This Effort

1:52:20

Avg Pace 49:48/km

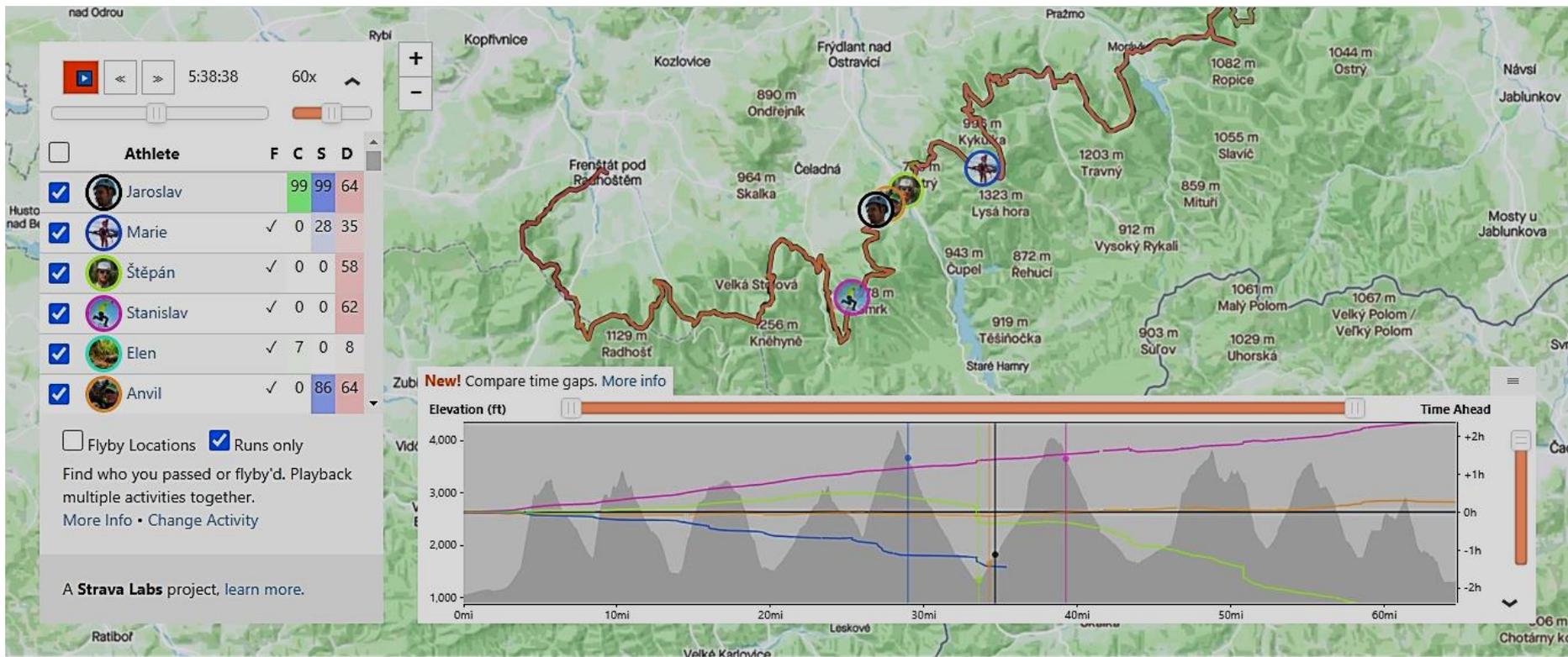
Heart Rate 137

CR (men) 1:31:31 CR (women) 1:39:12

MY PR 1:52:20

7 / 49

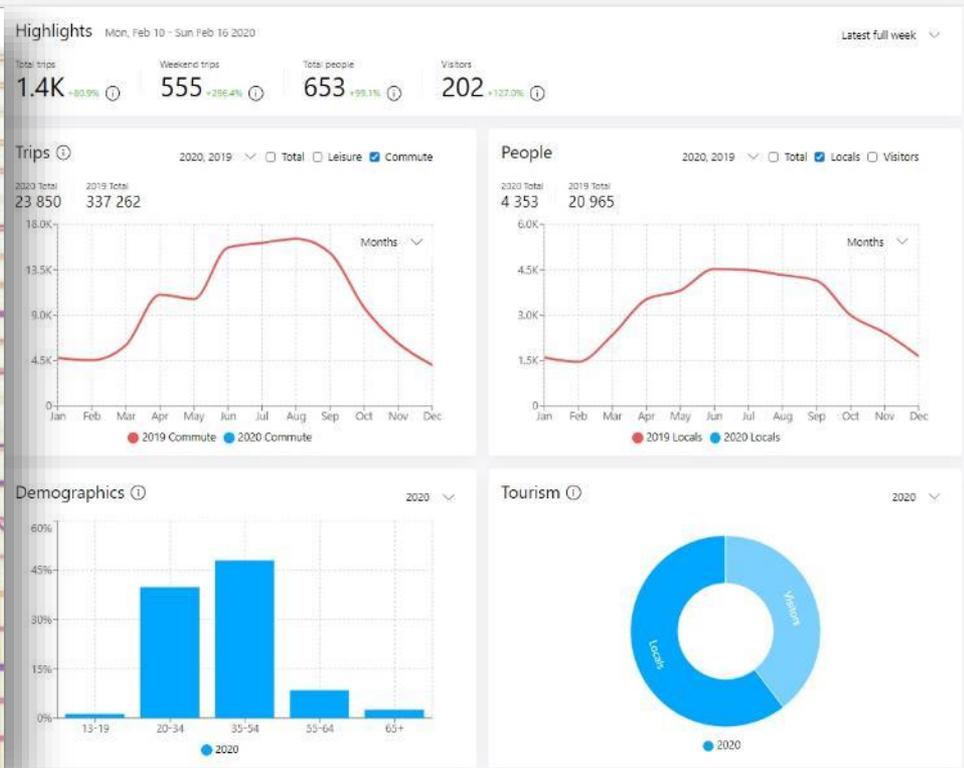
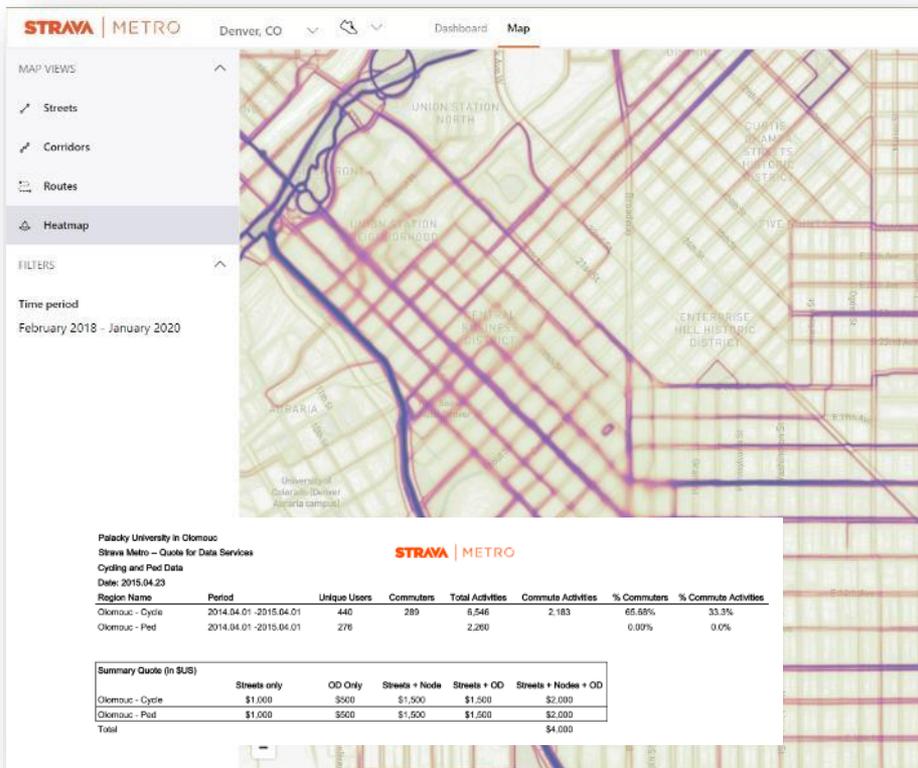
Strava Flyby



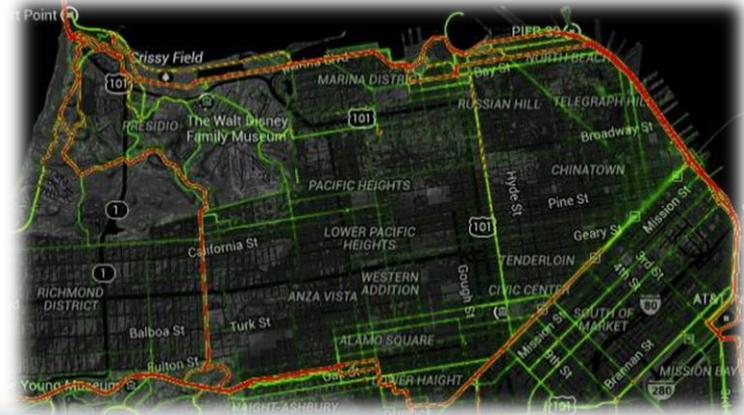
<https://www.strava.com/>



Strava Metro



Garmin Heat Map



Heat maps



<https://www.strava.com/heatmap>



Osobní heat mapy

✓ Like 5.3K
Tweet

Strava Multiple Ride Mapper

Enter parameters below and hit the "Load" button to begin mapping your activities.

Date Range:

Activity Type:

Keyword:

Detail Level:

Replace:

Commutes:

Transparent: 1 pixel

Opaque: 20 pixels

Color display mode:

Settings apply to:

Auto-zoom behavior:

Hide map background:

[Download KML](#) NEW

401. Učelat si mapu na obvodu s barevnými záteží pro patření (2020-01-12)

482. Cupitani na sněhu na Kopecku (2020-01-19)

483. Vykusat bezky (2020-01-23)

484. Rychlovka - špatný WC timing :) (2020-01-29)

485. Teplíčko jak na jare (2020-02-01)

486. Jardové v atletice (2020-02-12)

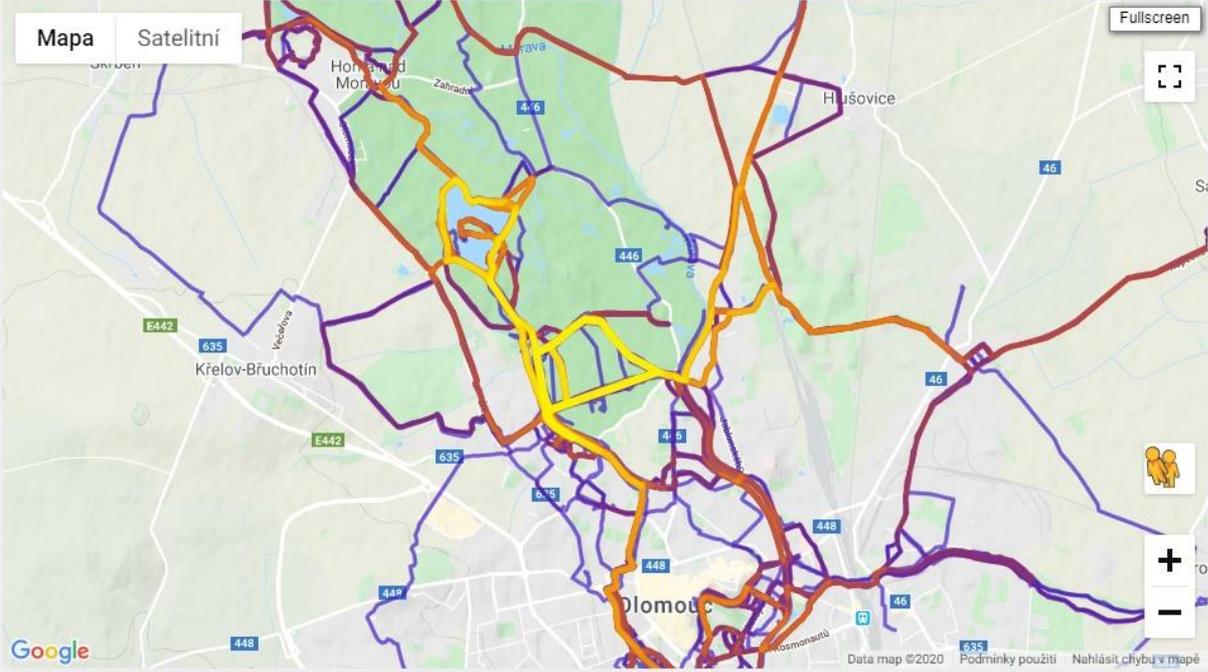
487. Vycistit hlavu, zlehka par nových cesticek mezi poli (2020-02-21)

Done

Like this site?
The tools here will always be free, but you can help support the costs of running the site with a donation.

Fullscreen

Mapa Satelitní



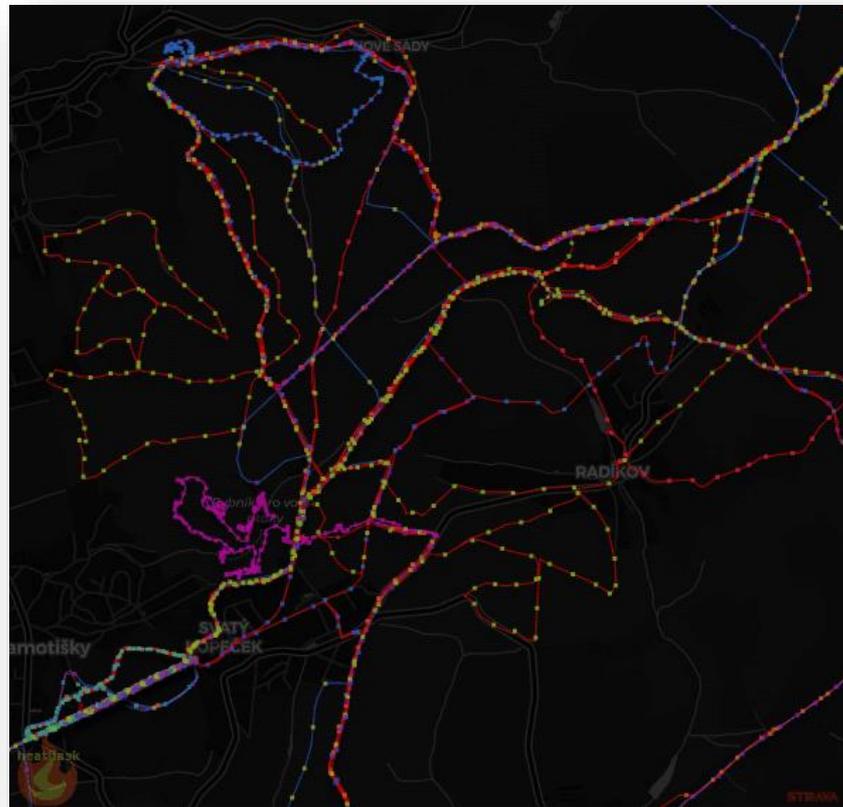
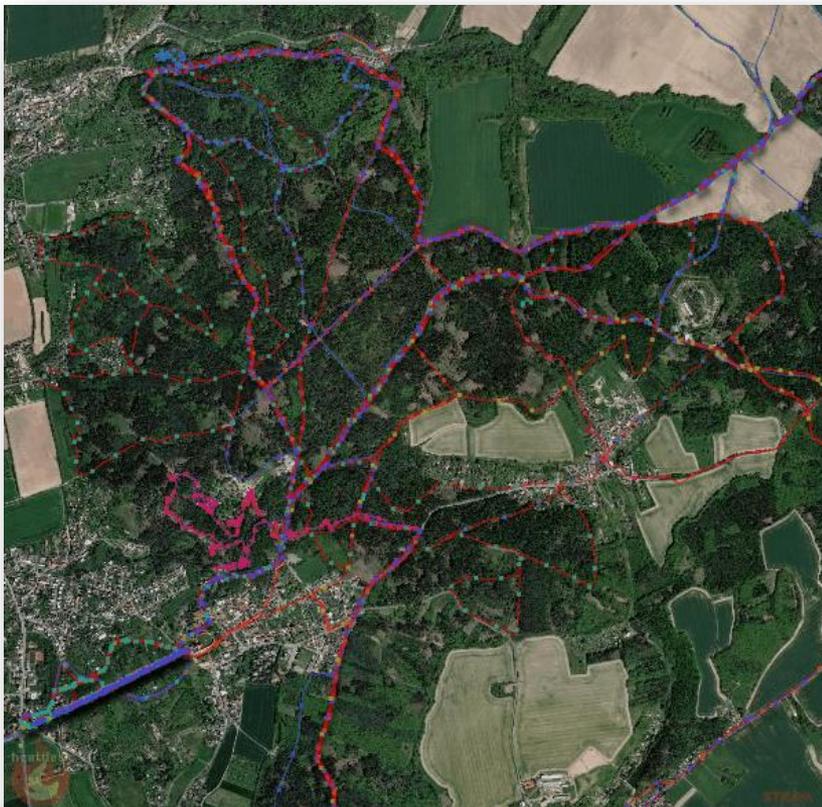
Google

Questions or comments? Post a note here. Other Strava API tools: KOM Notifier • Segment Details • Annual Summary

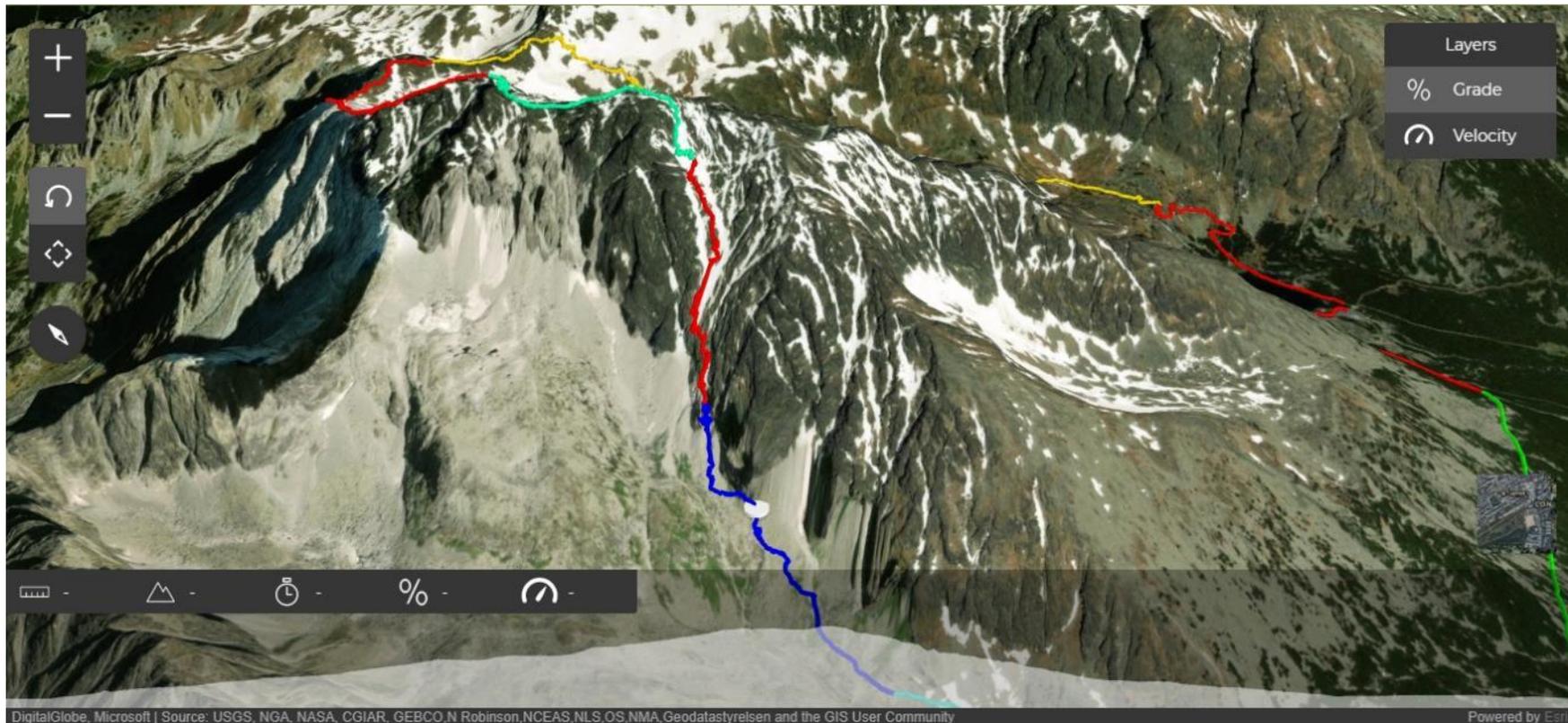
Version 3.24 Recent Changes



Dynamická vizualizace



Relive



DigitalGlobe, Microsoft | Source: USGS, NGA, NASA, CGIAR, GEBCO, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen and the GIS User Community

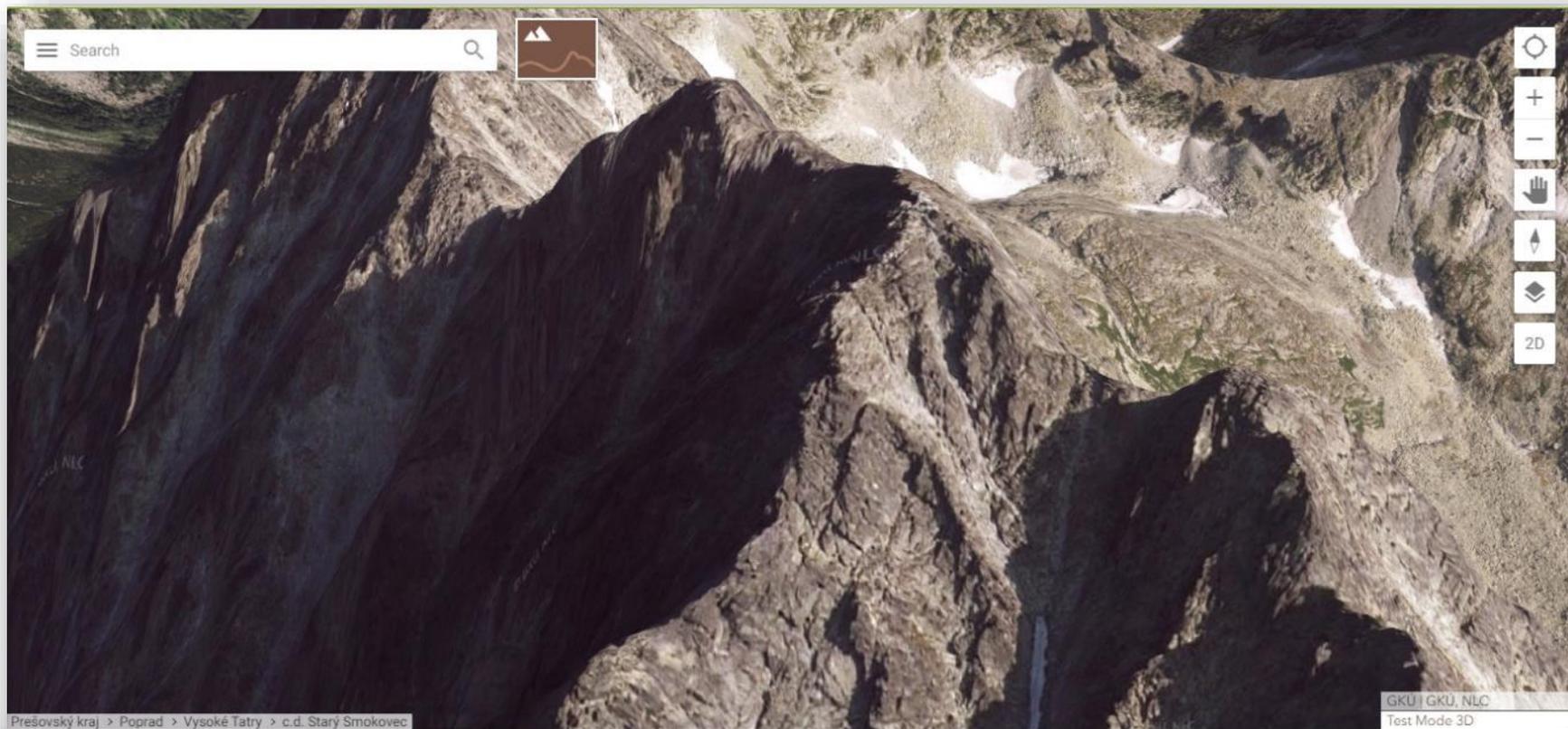
Powered by Esri



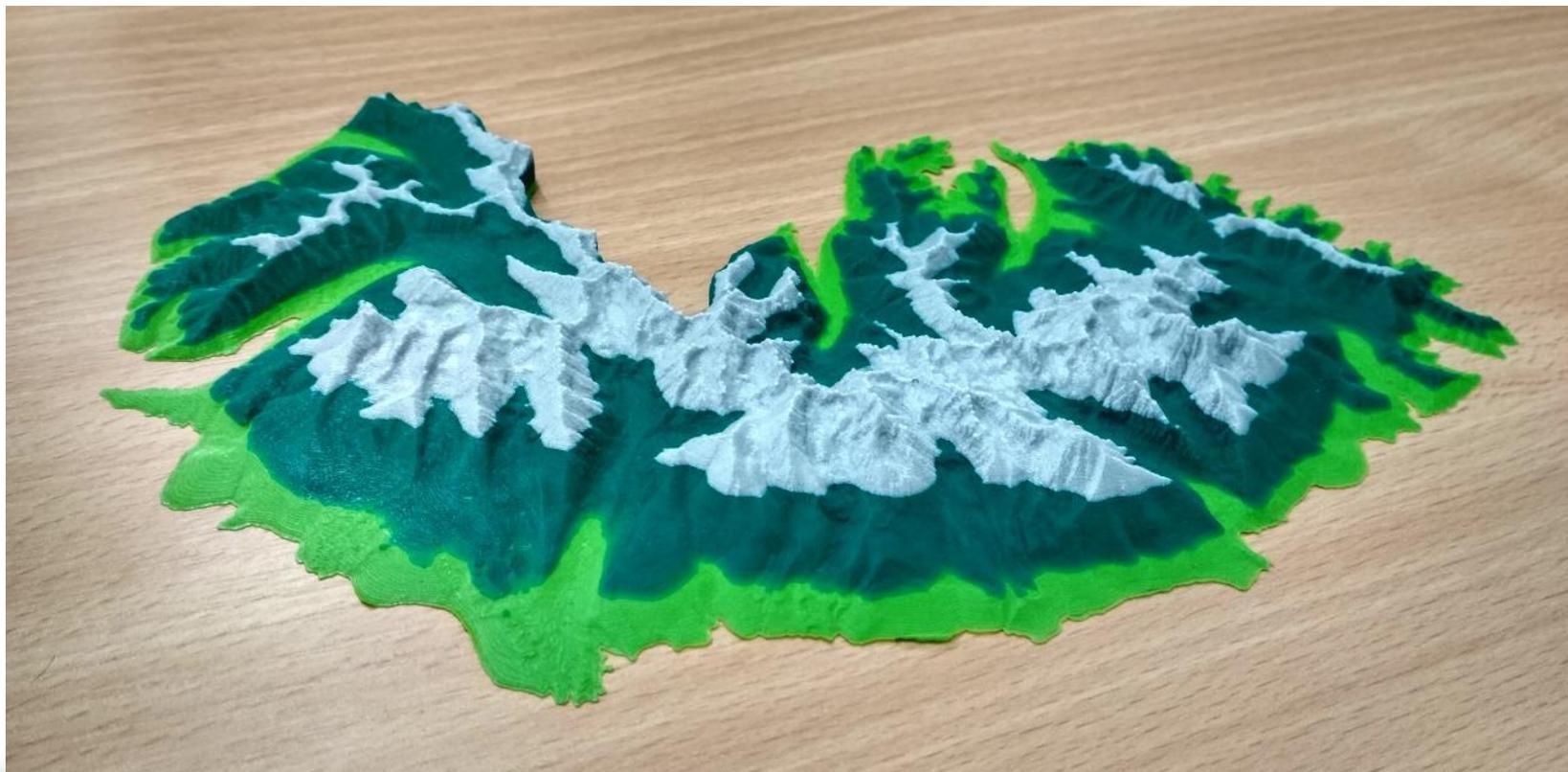
Rozšířená realita



3D Ortofoto



3D tisk



Zaži Tatry



Via Ferrata – Toffana di Rozes (Dolomiti)



Via Ferrata – Toffana di Rozes (Dolomiti)



Skalní lezení

POTŠTÁTSKÉ SKALNÍ MĚSTO 2

Milodkové skály s mnohým výskytů křemenitých žil s věšou sítí. Jde o 25 metrů vysoká terasovitá útesy u silnice mezi Otavou – Potštát (0,4 km) v hlubokém údolí s širokým údolím (úpatí Černé skály). Při komu doporučujeme používat přilbu.

The rocks with some quartz veins and with rock walls up to 25 meters high. The boulders situated south-west of the main mass near the road Otava – Otava – Potštát in a deep wooded valley (urban site) for 0.4 km of Otava ridge. It is recommended to use a helmet while climbing.



KLASIFIKACE CLASSIFICATION

2	3	4
1	3	7
5	6	7
5	12	8

Přístup: Od autobusové zastávky kousek J. (1,8 km v. j.) v. úpatí Otavou – Potštát 2 km po silnici směrem na Potštát. Do horní skály se lze dostat z pravé strany (bezpečnější) a druhé v. mostu přes potok. Horní skály také lze přejít směrem 300 metrů dále.

Access: From the bus stop in the J. (1.8 km v. j.) in the road Otava – Potštát 2 km along the road in a direction of Potštát. The top skály are reached on the right side (safer) to the second bridge over the stream. The Horní skály are also on the right side (safer) 200 meters further.

49.6203389N, 7.664867E | 200 m. Horní skály a 1400 m Dolní skály

ODERSKÉ VRCHY A NÍŽKÝ JESENÍK 21

Hlavní masív – Jižní stěna MAIN MASSIF – SOUTH FACE 3

KRUŽ BOK

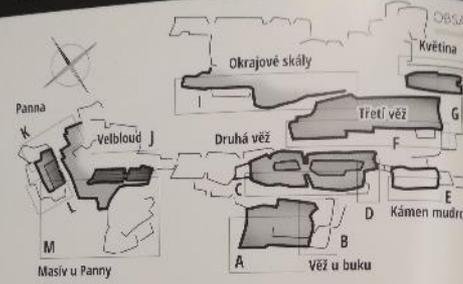


3 Kozalčí
Po stupních na věžích. Těžiště po levé straně až na Velkou bránu a po ní Křivčata. Geršl, Hapens, 1988

5 Stanůvčeská cesta
Výhled silnice. Rostlinná spárka na druhé straně. Lze se spáreč se zřejmě hlubokou mřížkou na levé, ale při širokou spáreč na pravé. Spáreč v. kousek na stupně, ale abnormální v. Velkou bránu, jedná se o kousek komerčních stromů. Geršl, Hapens, 1987

ODERSKÉ VRCHY A NÍŽKÝ JESENÍK 29

RABŠTEJN | PŘEDNÍ SKÁLY



Masív u Panny **VĚŽ U BUKU**

VĚŽ U BUKU 20

SEKTOR A | SEKTOR A
GPS 49.949822N, 12.151730E

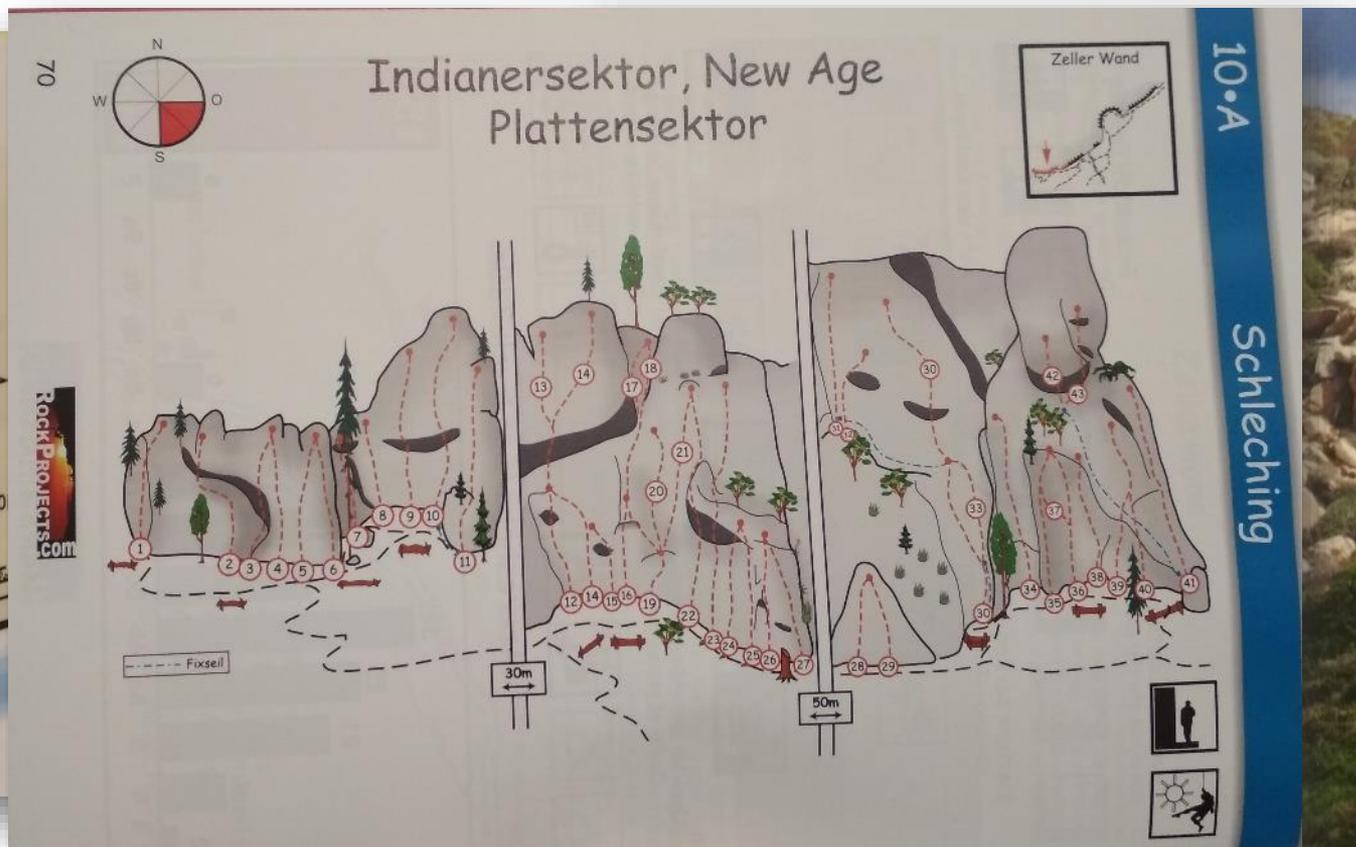
1) Horní skály (2012)	7+
2) Velká věž	7-
3) Střední věž (1)	5+
4) Horní skály (2)	5
5) Horní skály (3)	3
6) Horní skály (4)	7-
7) Střední věž (2)	6
8) Střední věž (3)	5-

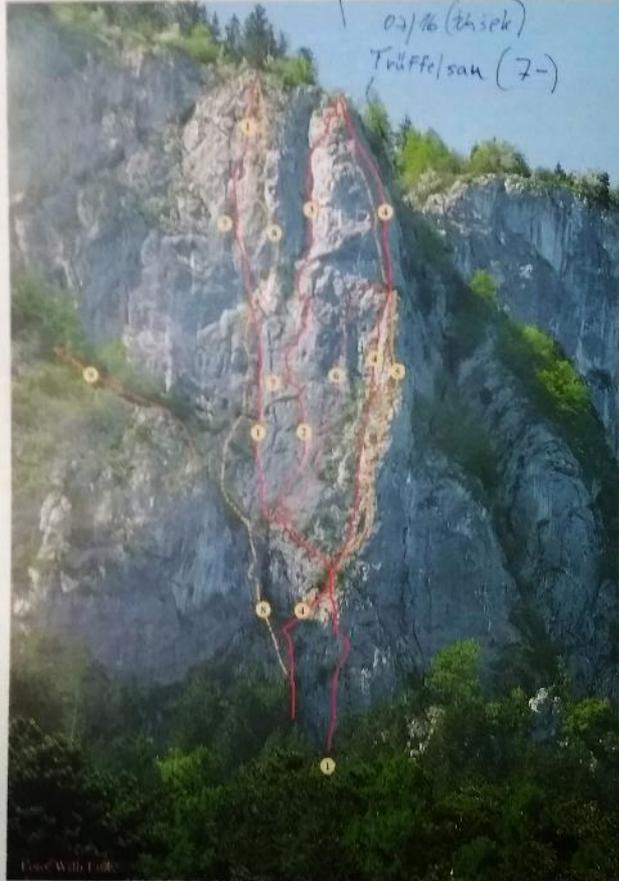
ODERSKÉ VRCHY A NÍŽKÝ JESENÍK 48

HURBY JESENÍK I ŠUMPERSKO



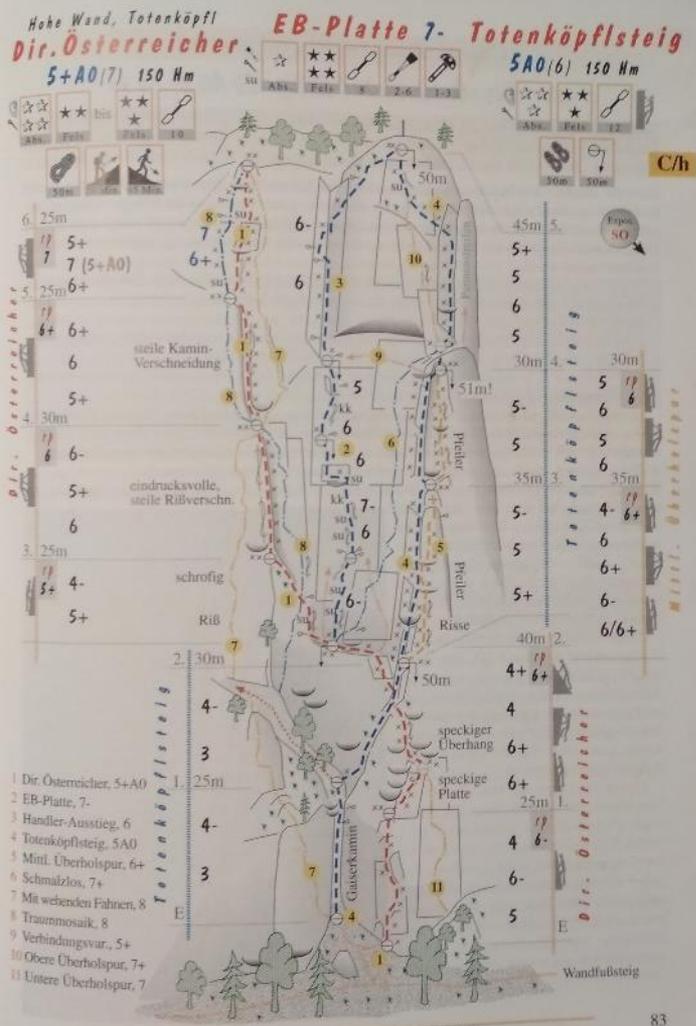
Skalní lezení





C HOHE WAND h Bereich Totenköpf!

- | | | |
|---------------------------|--------------------------------|--------------------------|
| 1 Dir. Österreicher, 5+A0 | 4 Totenkopfsteig, 5 A0 (C/h/3) | 7 Traummosaik, 8 |
| 2 EB-Platte, 7- (C/h/2) | 5 Mittlere Überholspur, 6+ | 8 Mit wehenden Fahnen, 8 |
| 3 Handler-Ausstieg, 6 | 6 Schmalzlos, 7+ | 9 Gauserkamin, 2-3 |





Lomnický štít - Hokejka

"HOKEJKA"

Lomnický štít - Z stěny Hokejka

Lomnický štít - Z stěny Hokejka

Vstup do skál je v spádnicí steny vo výraznom kúte ako cesta č.7. Kútom asi dve dĺžky lana hore. V miestach, kde sa kút končí, šikmo doprava traverz cez previsnutú stienku 4 m. na ľahší terén. Priamo hore 20 m. pod previs a cezeň asi 10 m. priamo na ľahkú lávku. Odtiaľ: Alebo lávkou 4 m. doprava, potom 15 m. kolmo hore zárezom pod vodorovnú škáru. Sme 5 metrov pod škárou zvanou Kríž. Alebo z lávky vhlbením šikmo doľava hore na ďalšiu veľkú lávku a ňou doprava pod vodorovnú škáru zvanú Kríž. Tu traverz doprava 6 metrov, potom cez vytlačajúcu skalnú hranu a hranou šikmo doprava hore na zďaleka viditeľnú pohodlnú lávku. Lávkou doprava na jej koniec. Odtiaľ kútom priamo hore 10 metrov a v hladkej platni oblúkom doľava na poličku pod previs Hokejky. Odtiaľ: Alebo (ťažšie) z poličky ešte šikmo vľavo hore do kúta priamo pod previs na dobré stanovište. Cez previs 3 metre hore, potom 2 metre vodorovne doprava a škárou vpravo hore na rozhranie Hokejky do kúta. Tu prechod doprava na hranu Hokejky a klesajúcou skalnou policou šikmo doprava nadol na dobré stanovište. Alebo (Cermanov variant) z poličky priamo hore platňou a zárezom do pravého zalomenia Hokejky do kúta. Pravou stenou kúta traverz pomocou trhliny doprava na hranu Hokejky do steny. Stenou priamo hore, vyššie trhlinou na dobré stanovište. Odtiaľ priamo hore 30 m. do komína a ním 4 metre nad komín. Po ďalších 5 metroch pod kolmú vytlačajúcu stenu. Stenou 10 m.(VI) priamo hore na ľahší terén pod rozdvojený komín. Ľavou vetvou komína (V) na sutinovú plošinu na dne lievika pod vrcholom. Pravým vhlbením lievika 50m po stupňoch na vrchol.

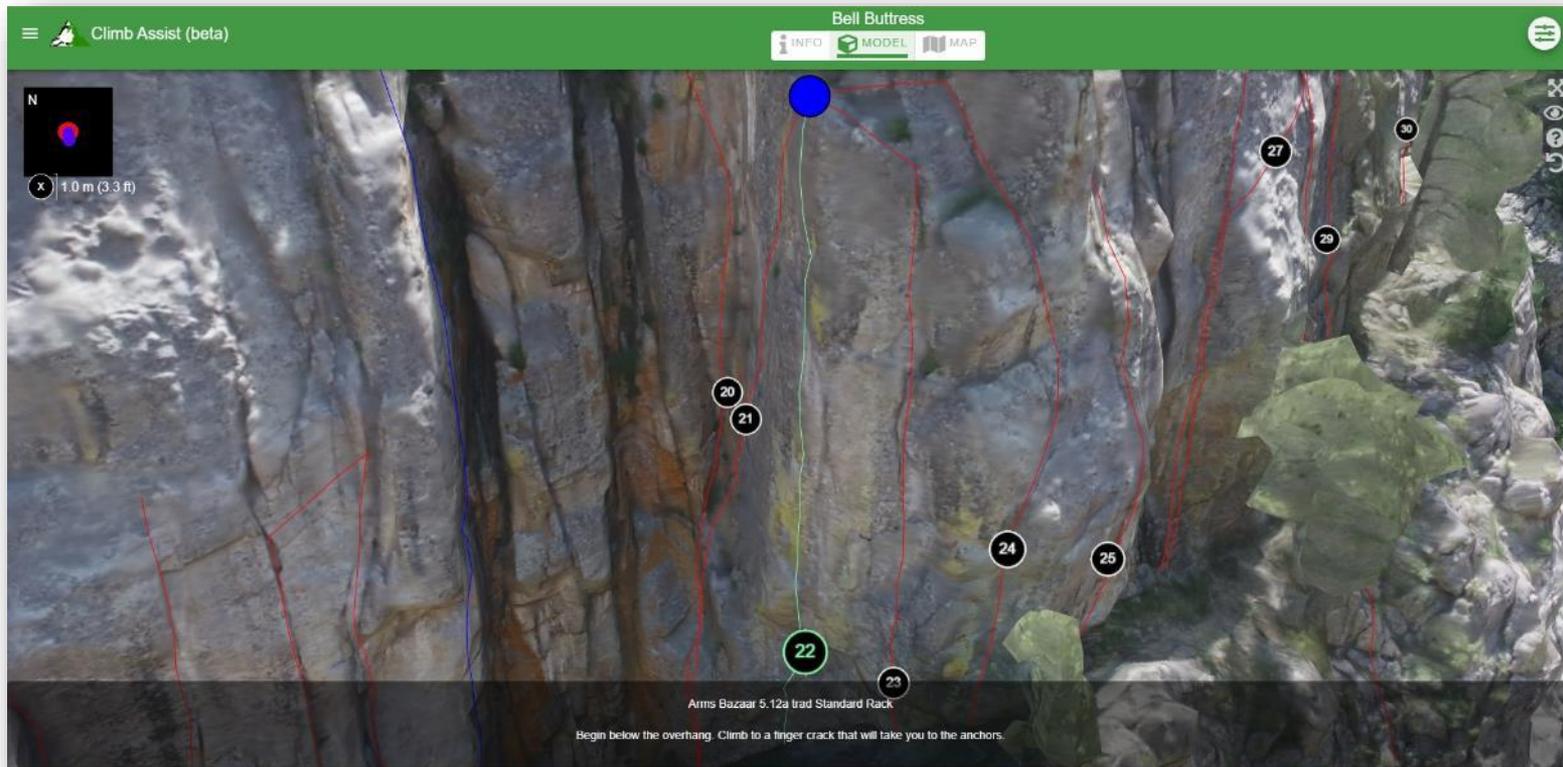
kuloár



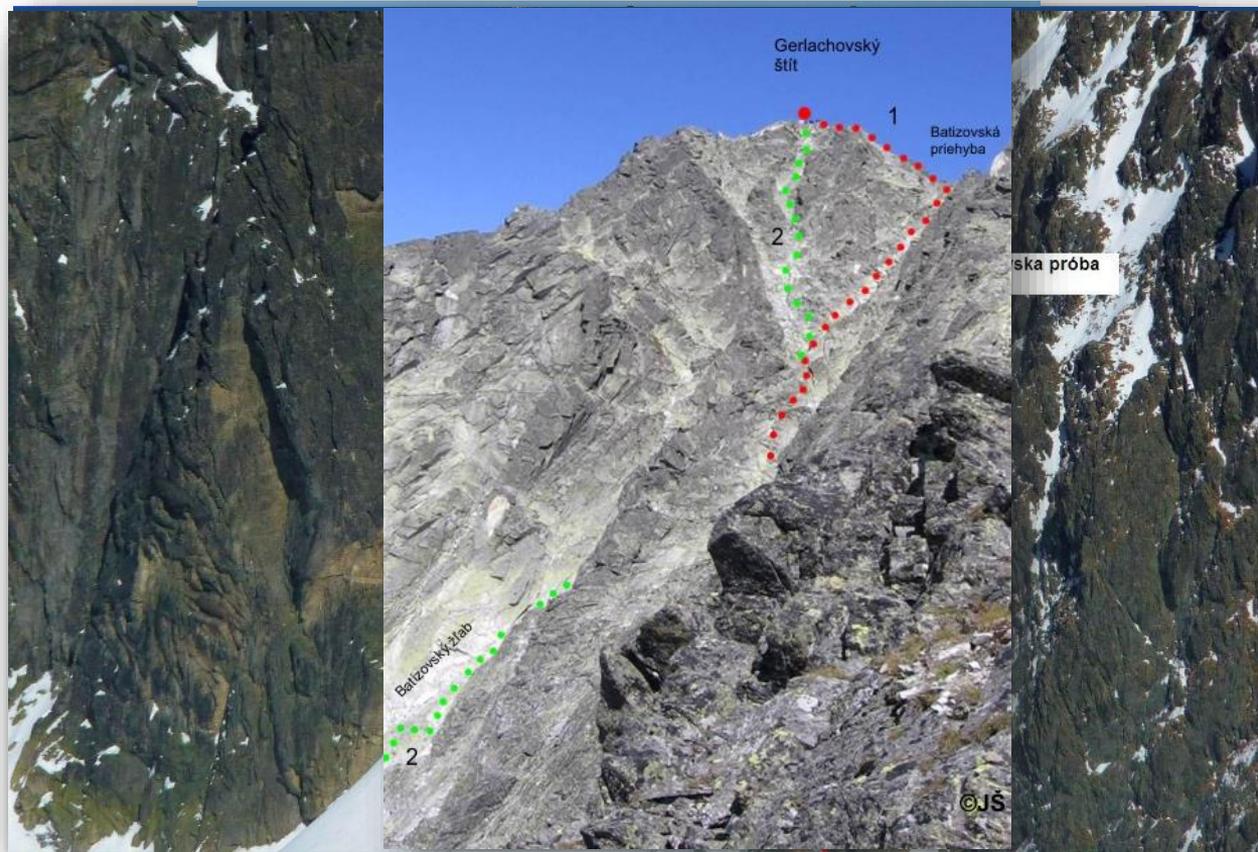
Sketchlab



ClimbAssist



Gerlach

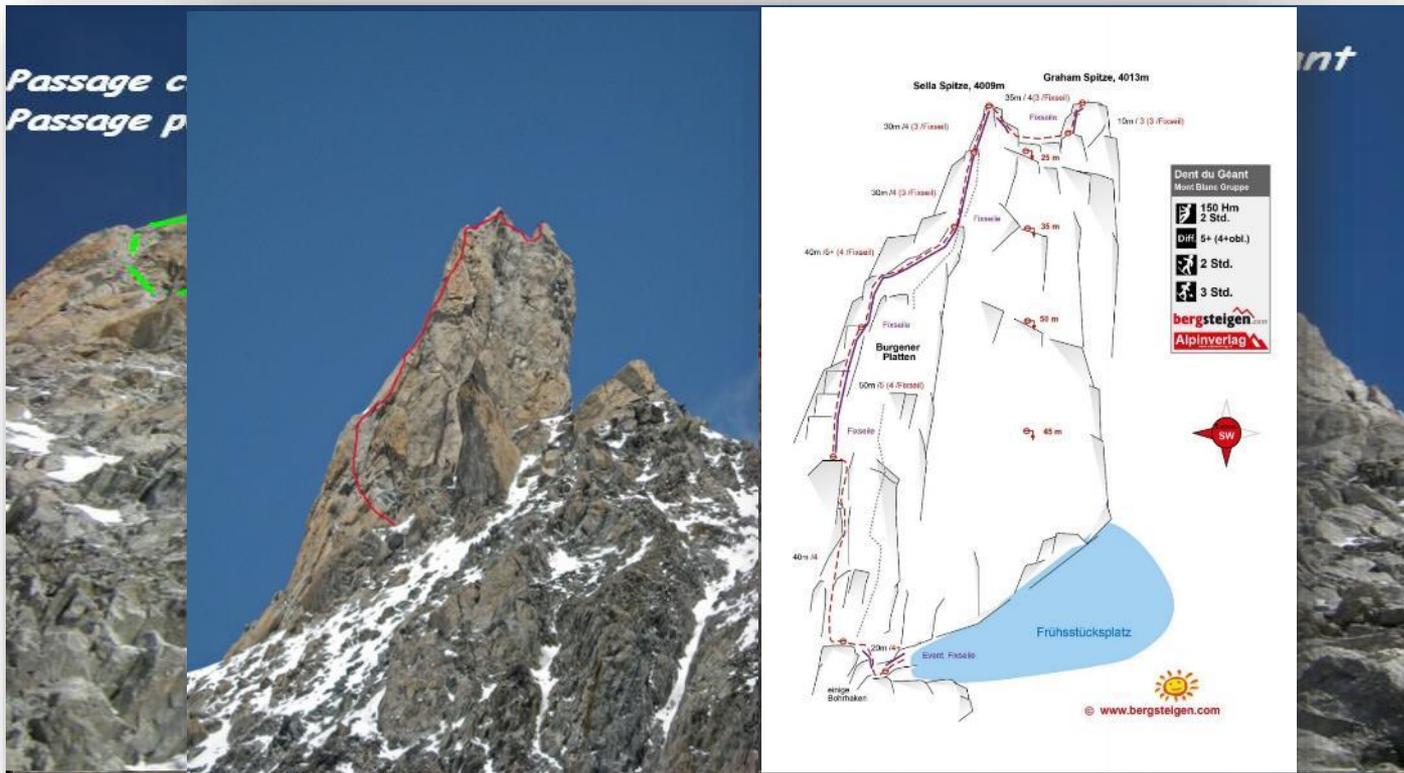




El Capitan



Alpy – Dent du Geant (4 013 m n. m.)





Mount Everest

realitymaps
Mount Everest 3D
App Trekking Live Tracking Services Die Alpen in 3D
English [Deutsch](#)

GPS Tracking ✕

Jost Kobusch



Born: Bielefeld, 3 August 1992
Lives: Chemnitz
Profession: Professional Mountaineer
Tracking Device: SPOT

Jost is known for solo climbs at high altitudes. His minimalistic approach is a way for him to set himself difficult goals and to achieve them resource and environmentally friendly. He consciously turns away from today's age of extreme tourism and dedicates himself to the 'departure into the unknown' - winter ascents, new routes and unclimbed peaks, that is what Jost stands for. At the age of 25, in 2018, he was listed for the Piolet d'Or, arguably the most important award for an exceptional performance in extreme alpine sports.

Hide Infos

Tracking

Local time Feb 24, 2020
Nepal Time (NPT) 6:26 PM

Positions are updated automatically.
Time in Nepal Time



28° 0'105" N 86° 53'267" E - height above NN: 6.907m - View elevation: 7.169m

South Route ✕



The south route was the ascent of the first climbers of Mount Everest. Edmund Hillary and Tenzing Norgay succeeded on 29 May 1953 to climb the highest mountain on Earth (8,848 m) from the Nepalese side.

Expeditions remain at Everest Base Camp at approximately 5,450 meters for several weeks to let the body adapt to the altitude and to prevent altitude sickness. During that time, Sherpas and some mountain guides place ropes and ladders in the Khumbu Icefall. Seracs, crevasses and moving ice blocks turn the icefall into one of the most dangerous sections of the route. To reduce the risk, climbers typically start their ascent to Camp I (6,065 m) above the icefall several hours before dawn, when the temperatures are below zero.

From Camp I, the climbers make their way to the western Cwm of Lhotse, where Camp II (also known as Advanced Base Camp (ABC)) is set up at 6,500 m. The Western Cwm is a flat, gently rising valley, which is crossed by huge crevasses in the middle. The Western Cwm is also called the "Valley of Silence". On a clear, calm day, the valley becomes unbearably hot for the climbers.





Děkuji za pozornost

jaroslav.burian@gmail.com
www.geoinformatics.upol.cz

