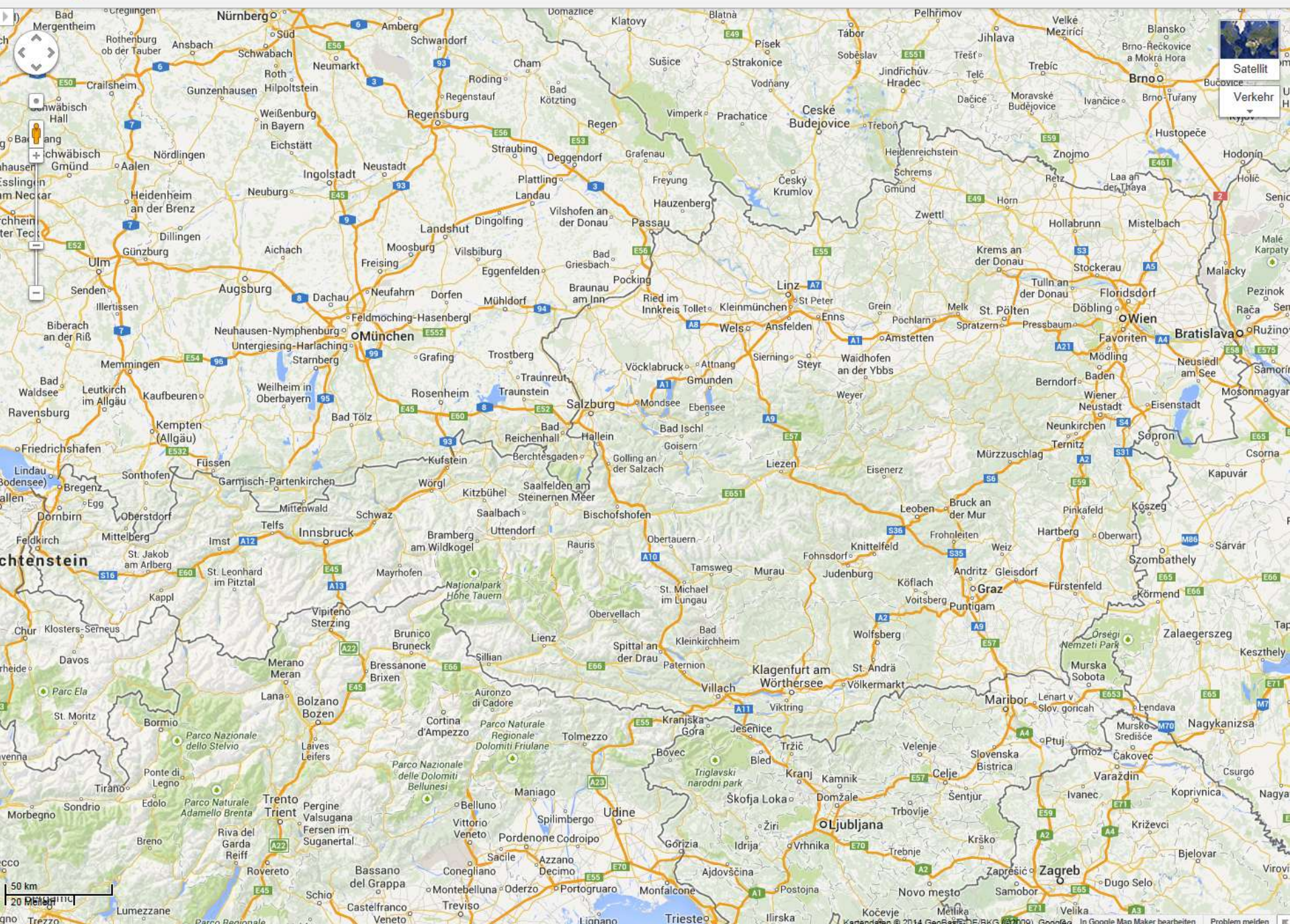




The Relevance of Cartography

Zagreb 2014, Georg Gartner

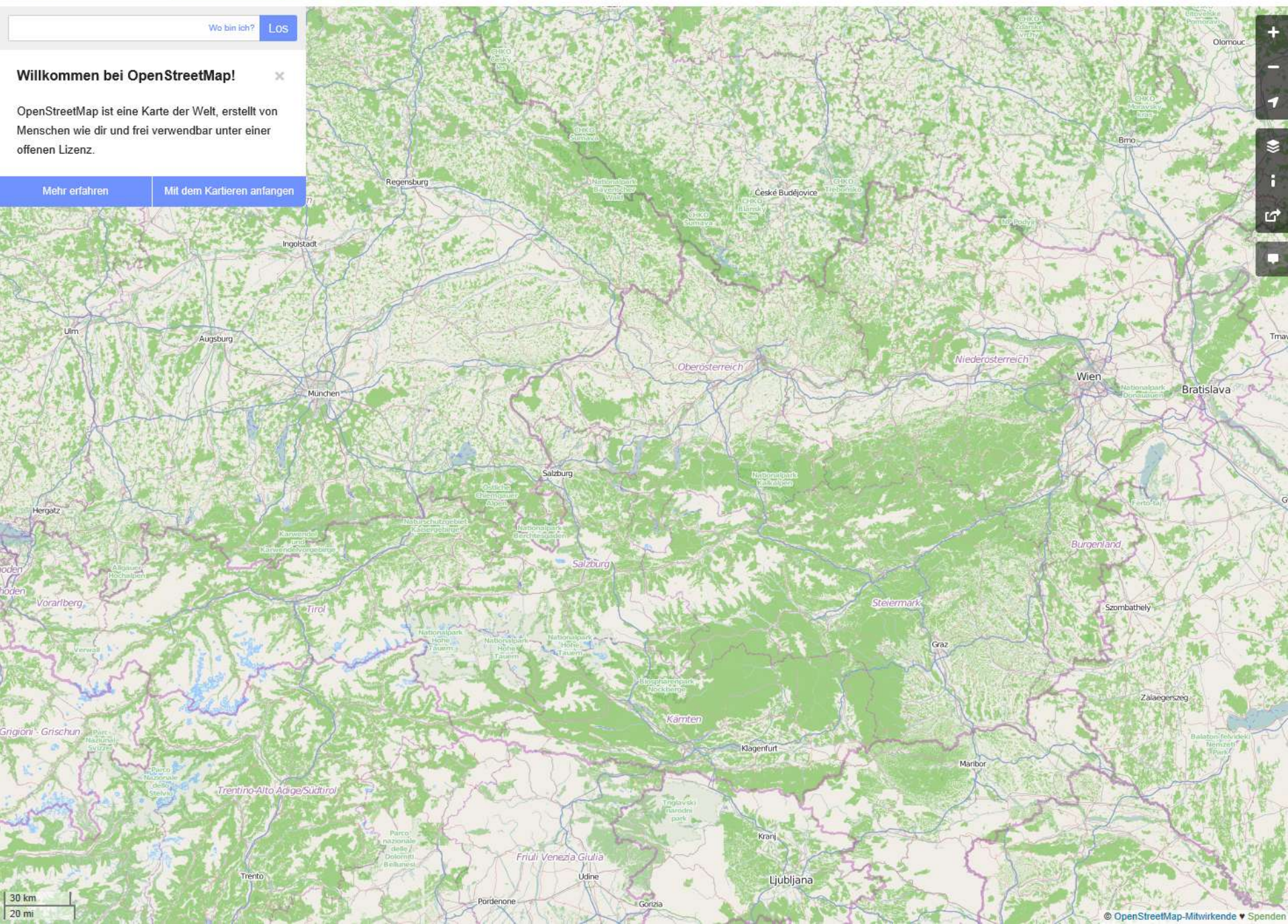


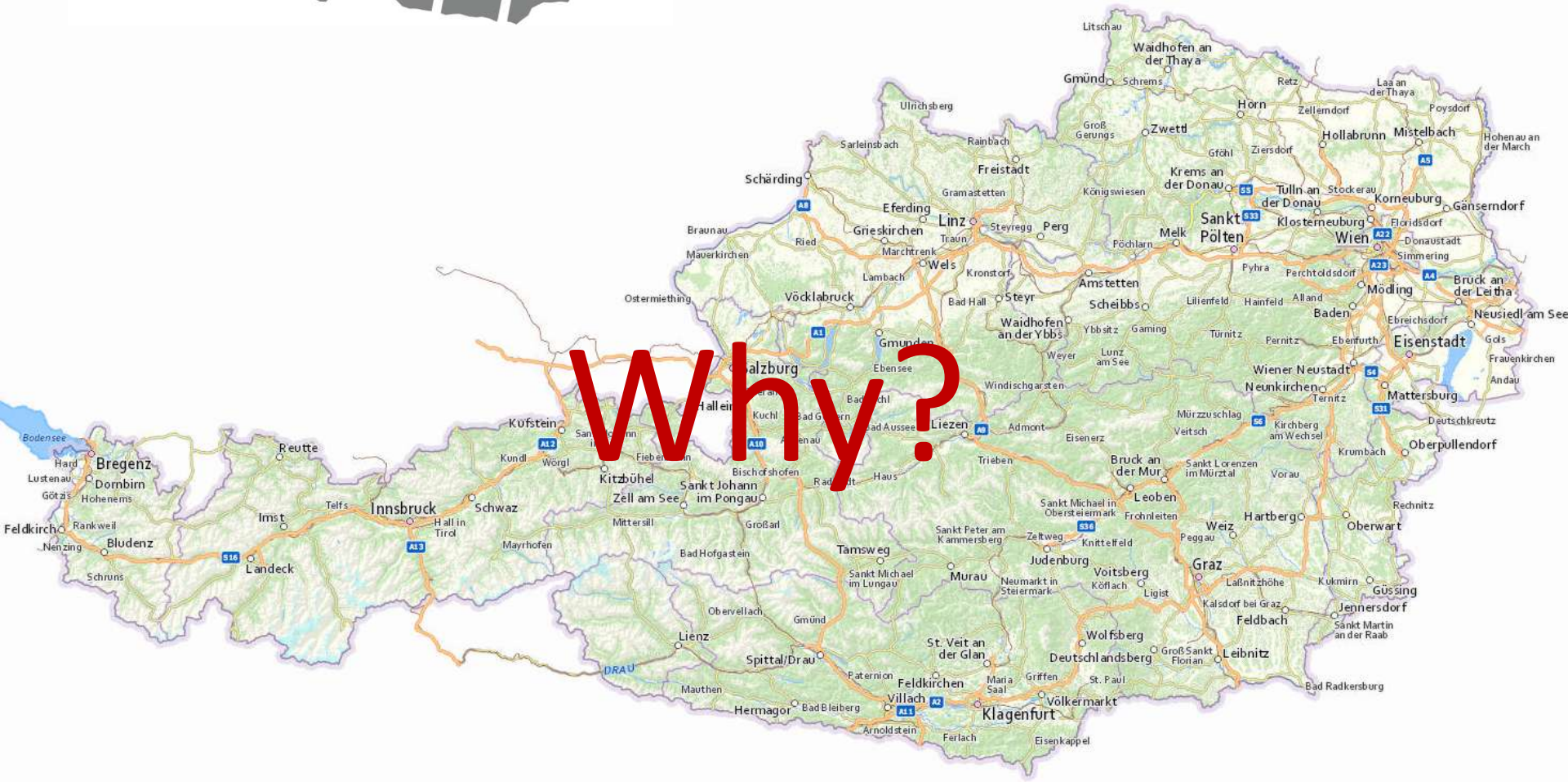


Wo bin ich? [Los](#)

Willkommen bei OpenStreetMap!

OpenStreetMap ist eine Karte der Welt, erstellt von Menschen wie dir und frei verwendbar unter einer offenen Lizenz.

[Mehr erfahren](#)
[Mit dem Kartieren anfangen](#)






NEWS

◦ Neuer Tile-Cache verfügbar – 18. Juni 2014

Willkommen bei **basemap.at** – der Verwaltungsgrundkarte von Österreich

Sie benötigen eine stets aktuelle, auf amtlichen Geodaten basierende Grundkarte von Österreich, als Orientierung im Überblick, punktgenau im Detail? Dann sind Sie hier richtig.

basemap.at ist eine internetfähige Grundkarte von Österreich, basierend auf den Geodaten der Länder und deren Partnern, frei verfügbar und performant.



NEWS

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Characteristics

- License
- Partners
- Content
- Hosting
- Interfaces
- Products

Katalog

basemap.at - Verwaltungsgrundkarte von Österreich



Verwaltungsgrundkarte von Österreich

Eindeutiger Identifikator	2c54f4d6-5712-4e5a-a025-b7f7a396c39b
Datum des Metadatensatzes	2014-06-20
Datenverantwortliche Stelle	geoland.at
Lizenz	Creative Commons Namensnennung 3.0 Österreich
Zeitliche Ausdehnung	2014-01-01 00:00

Zusätzliche Informationen [einblenden](#)

Datensatz oder Dienst

Name	Änderungsdatum	Format
WMTS GetCapabilities		wmts
WMTS GetCapabilities (speziell für ArcGIS 10.1)		wmts
Webseite basemap.at / Dokumentation		html

Veröffentlichende Stelle
[Geoland.at](#)

Kategorie
[Verwaltung und Politik](#)

Schlagwörter
[Karte von Österreich](#)
[Verwaltungsgrundkarte](#)
[basemap](#)
[geoland.at](#)

API-Link zu allen Metadaten
[data.gv.at/katalog/api/rest/dataset/basemap-at](#)
(Dokumentation)

RSS-Feeds für Geoland.at
[Neue Datensätze](#)
[Geänderte Datensätze](#)

Letzte Änderung
2014-06-20 07:13

Anwendungen

Keine der [243 eingereichten Anwendungen](#) verwendet diesen Datensatz/Dienst.

[+ Neue Anwendung zum Datensatz/Dienst "basemap.at - Verwaltungsgrundkarte von Österreich" einreichen](#)

Teilen

3 Klicks für mehr Datenschutz: ein wesentliches Open Data Prinzip besagt, dass keine Daten



Namensnennung 3.0 Österreich (CC BY 3.0 AT)

Dies ist eine alltagssprachliche Zusammenfassung der Lizenz (die diese nicht ersetzt).

Haftungsbeschränkung



Sie dürfen:



Teilen — das Material in jedwedem Format oder Medium vervielfältigen und weiterverbreiten

Bearbeiten — das Material remixen, verändern und darauf aufbauen
und zwar für beliebige Zwecke, sogar kommerziell.

Der Lizenzgeber kann diese Freiheiten nicht widerrufen solange Sie sich an die Lizenzbedingungen halten.

Percentage open 12%

The Open Data Index is an initiative of the [Open Knowledge Foundation](#) based on contributions from [open data](#) advocates and experts around the world. The Index results are a fixed snapshot from October 28th, 2013, compiled from the data collected from the national [Open Data Census](#). You can see a list of our global community of contributors [here](#). We cannot make any changes to this data, but encourage you to contribute to the national Open Data Census if you spot any outdated information.

Key: ■ Yes ■ No ■ Unsure ■ No data

[illegible]

265

Partner

StaDt  Wien

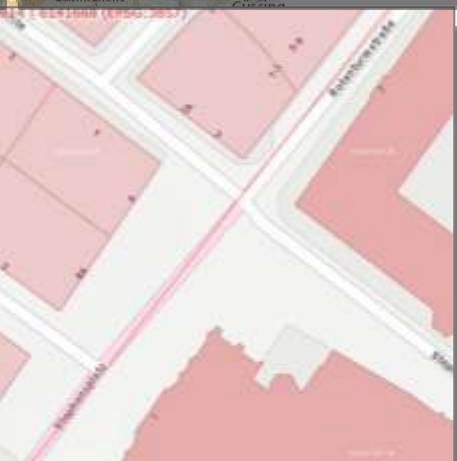
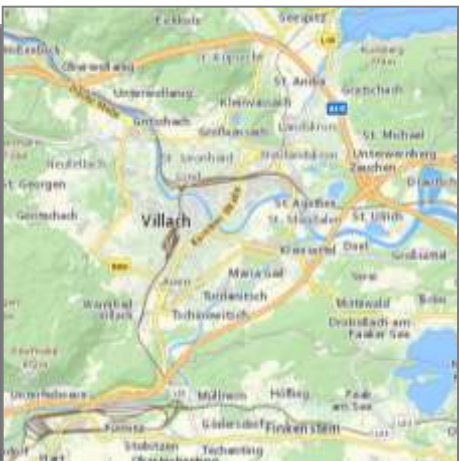
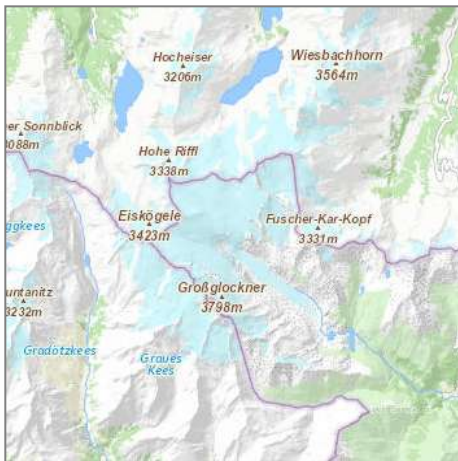


Cooperations

Österreichischer Städtebund, Verkehrsauskunft Österreich (VAO),
LFRZ, Kooperationsgemeinschaft Österreichischer Verkehrsverbünde (KGÖVV),
AGEO

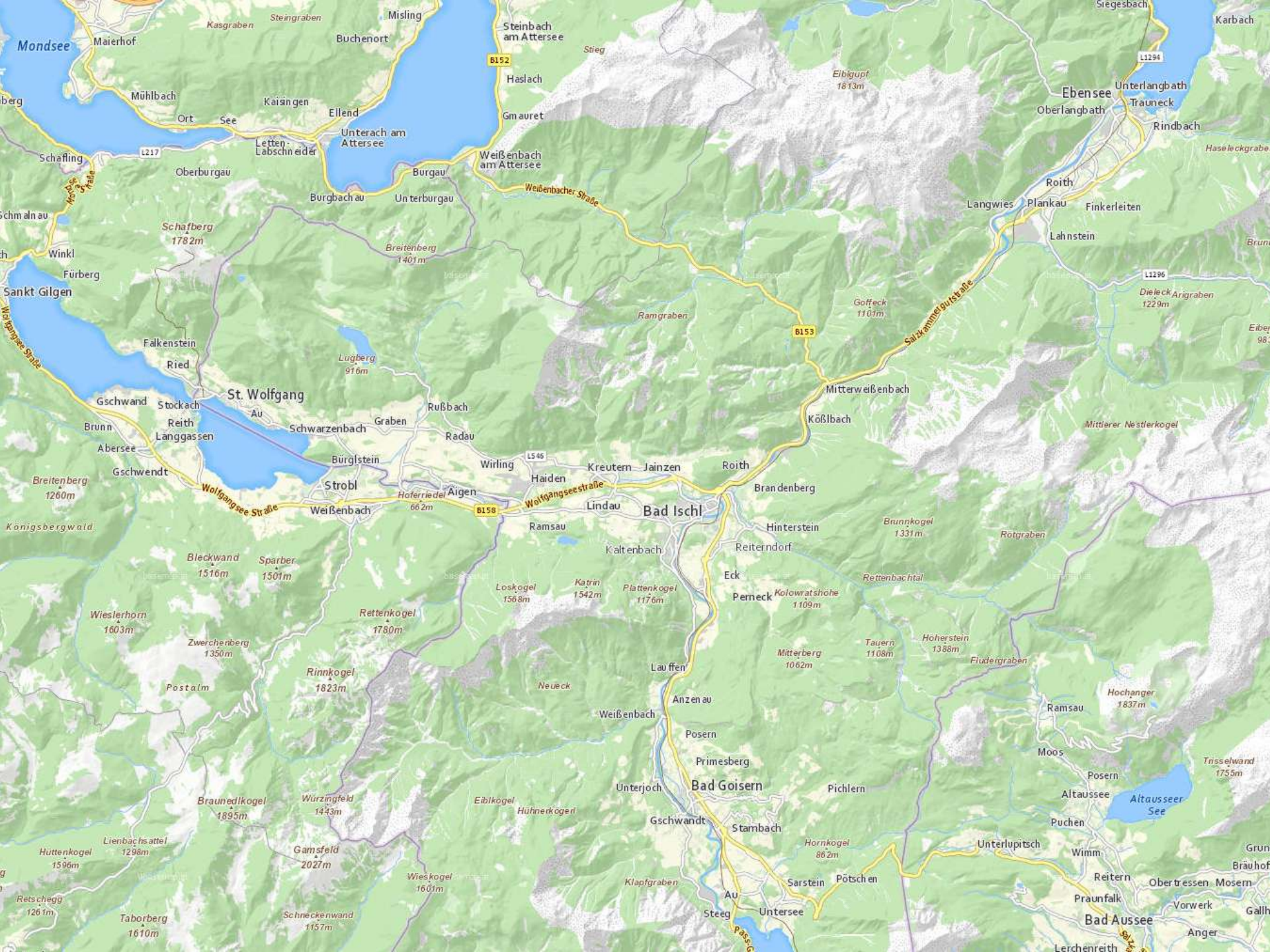
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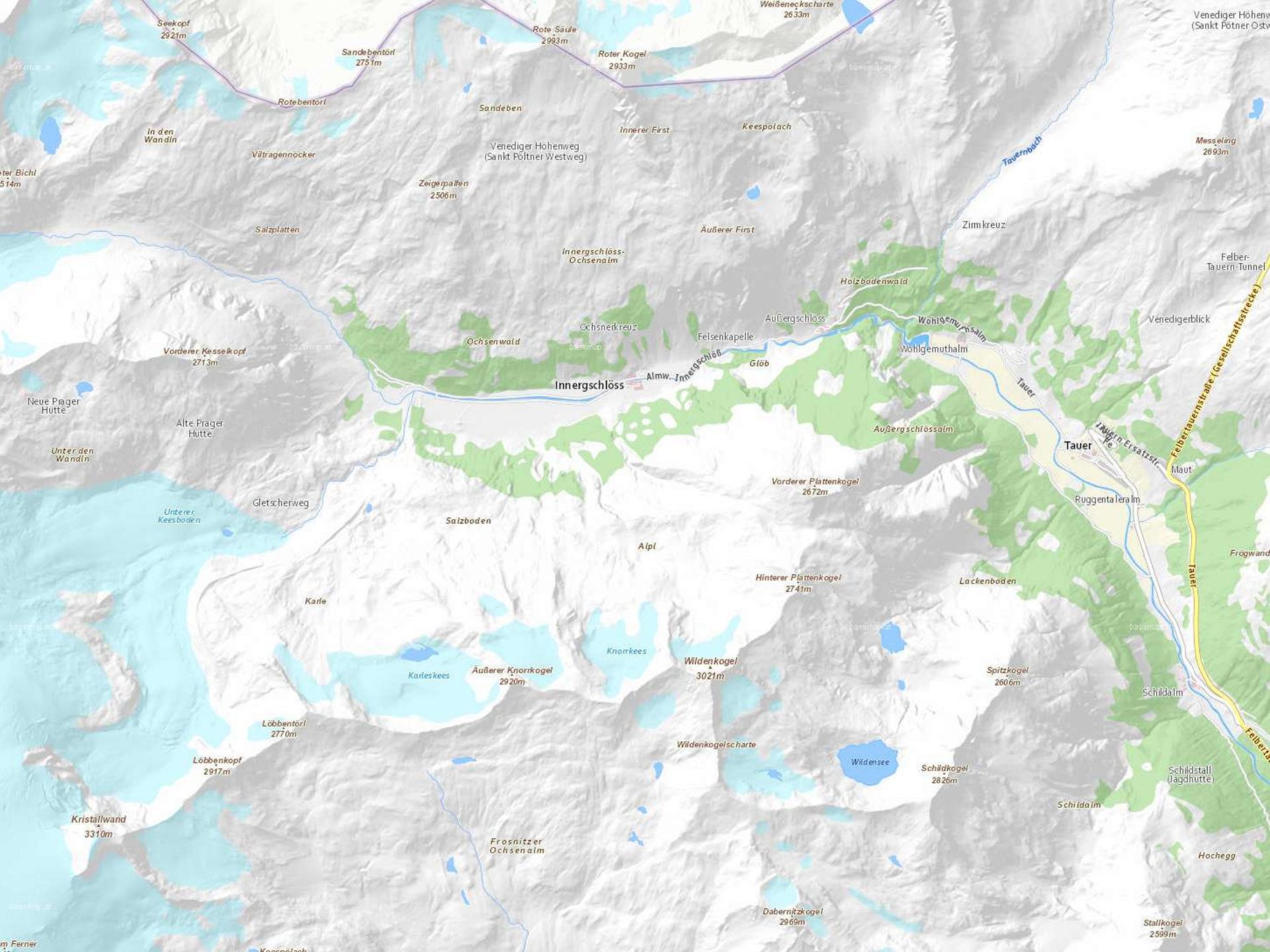




Impressions







Seekopf
2921m

Sandebentörl
2751m

Rote Säule
2993m

Roter Kogel
2933m

Weißeneckscharte
2633m

Venediger Höhenweg
(Sankt Pölner Ostweg)

Messelkogel
2693m

In den Wandin

Vitragennöcker

Sandeben

Venediger Höhenweg
(Sankt Pölner Westweg)

Innerer First

Keespolach

Tauernbach

Zimkreuz

Salzplatten

Zeigerpalten
2506m

Innergsschlöss-
Ochsenaalm

Außerer First

Holzbodenwald

Wohlgemuthalm

Venedigerblick

Felber-
Tauern-Tunnel

Vorderer Kesselkopf
2713m

Ochsenwald

Ochsenkreuz

Felsenkapelle

Außergsschlöss

Wohlgemuthalm

Neue Prager
Hütte

Alte Prager
Hütte

Unter den
Wandin

Innergsschlöss

Almw.-Innergsschlöss

Glöb

Außergsschlössalm

Tauer

Jäger-Ersatzstr.

Maut

Ruggentalalm

Gletscherweg

Unterer
Keesboden

Salzboden

Alpl

Vorderer Plattenkogel
2672m

Lackenboden

Karle

Hinterer Plattenkogel
2741m

Spitzkogel
2606m

Außerer Knorrikogel
2920m

Wildenkogel
3021m

Knorkees

Karleskees

Löbentörl
2770m

Löbhenkopf
2917m

Wildenkogelscharte

Wildensee

Schildkogel
2826m

Schildalm

Schildstall
(Jagdhütte)

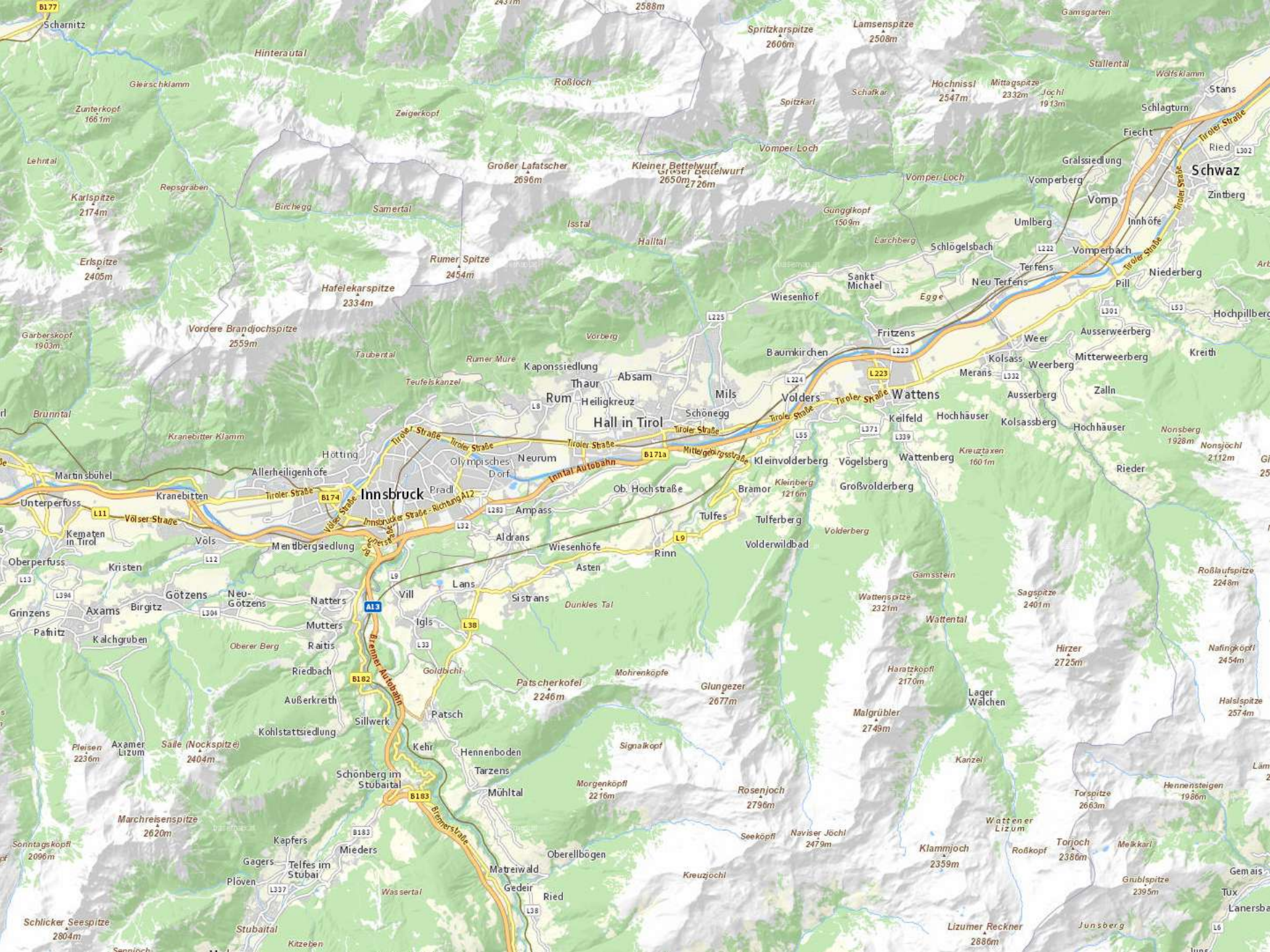
Hocheegg

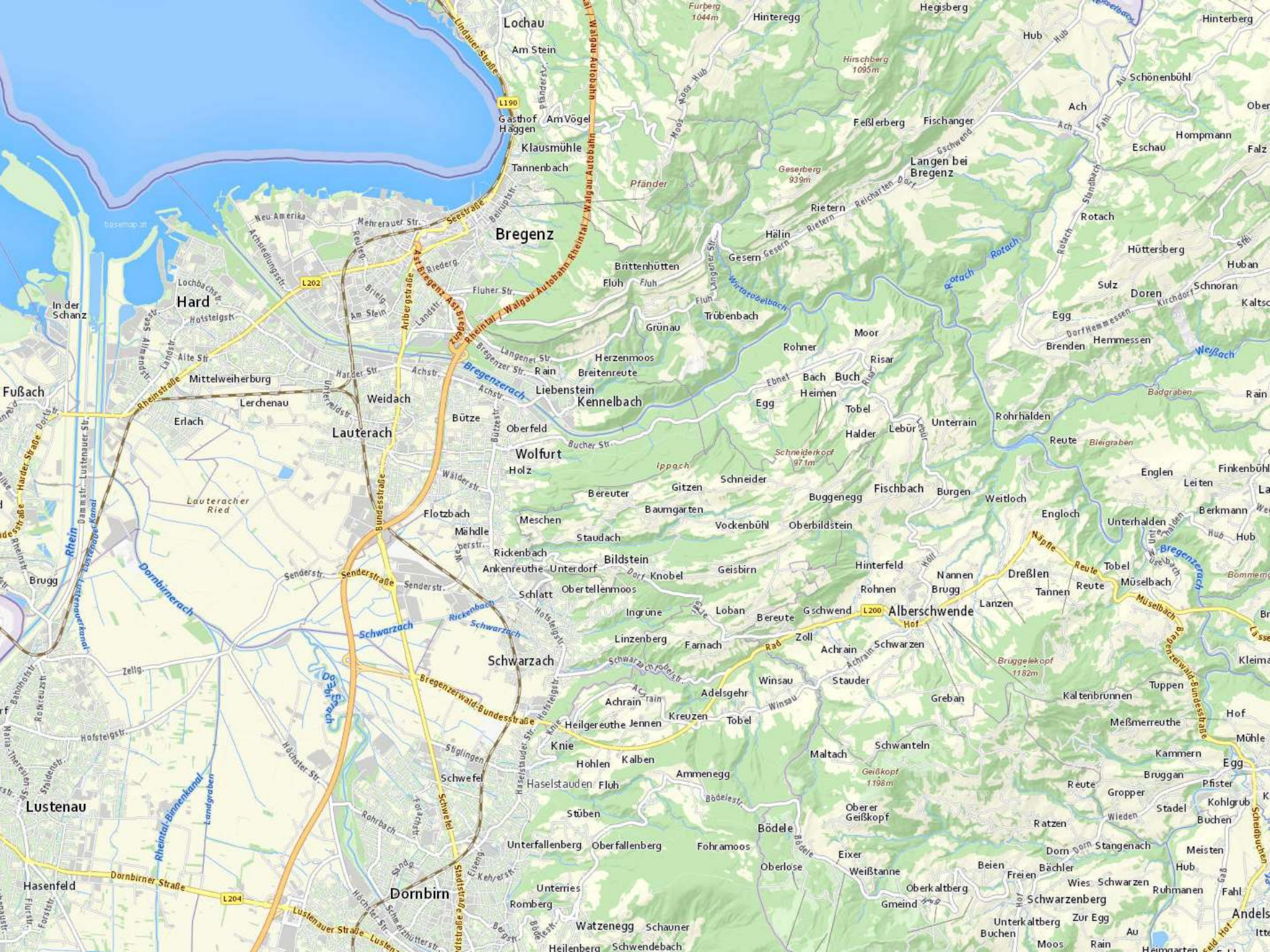
Stallkogel
2599m

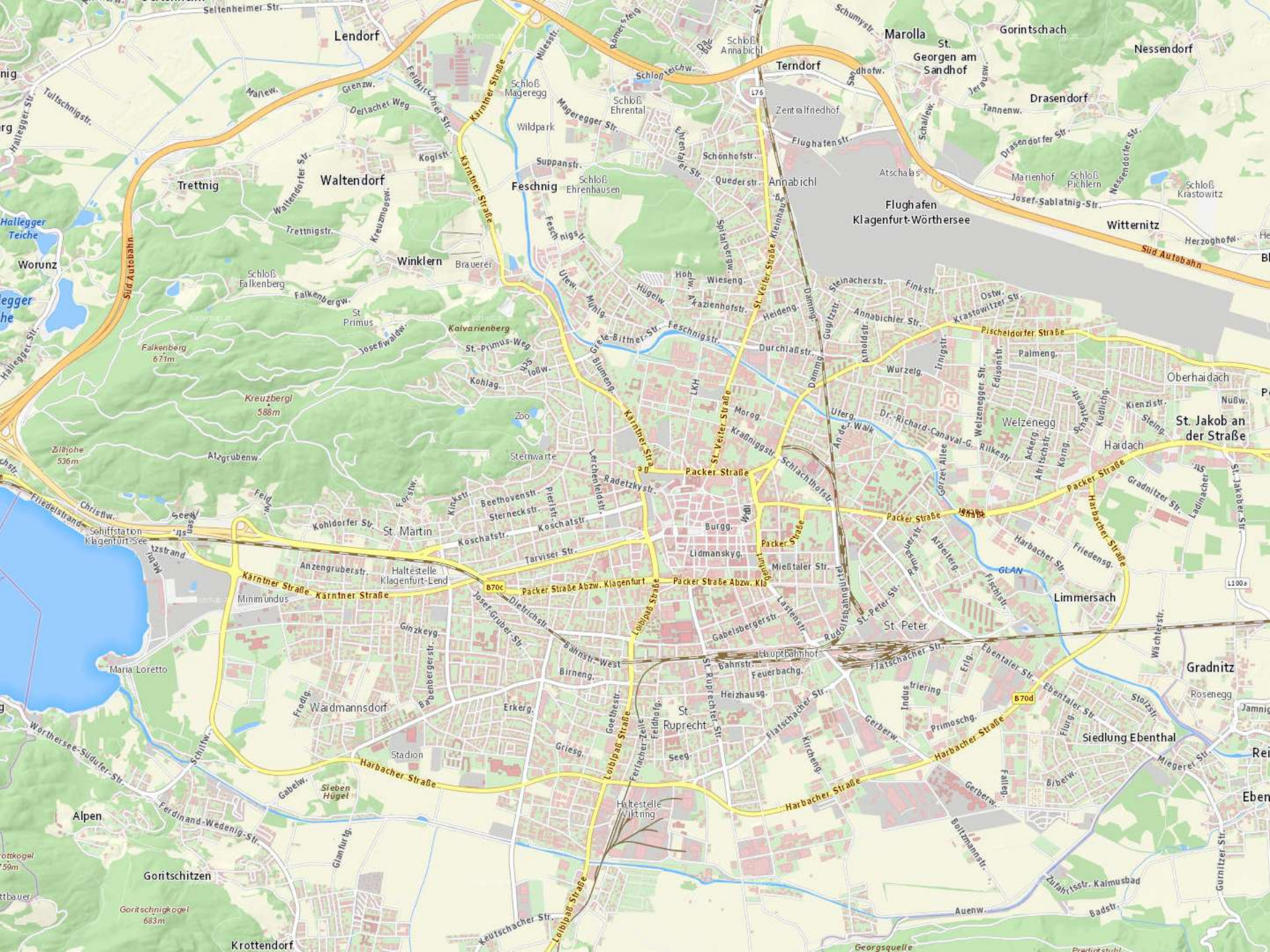
Kristallwand
3310m

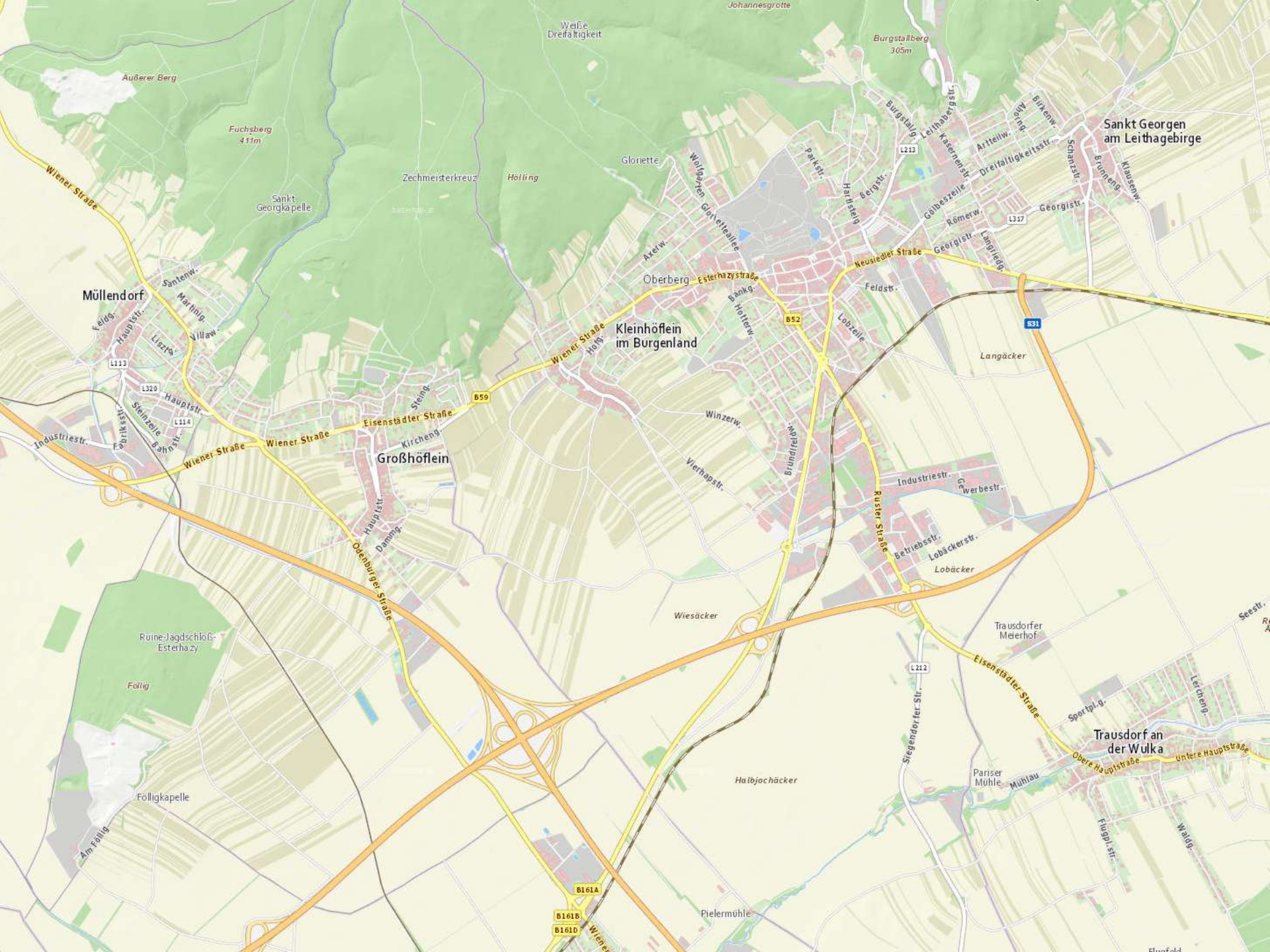
Frosnitzer
Ochsenaalm

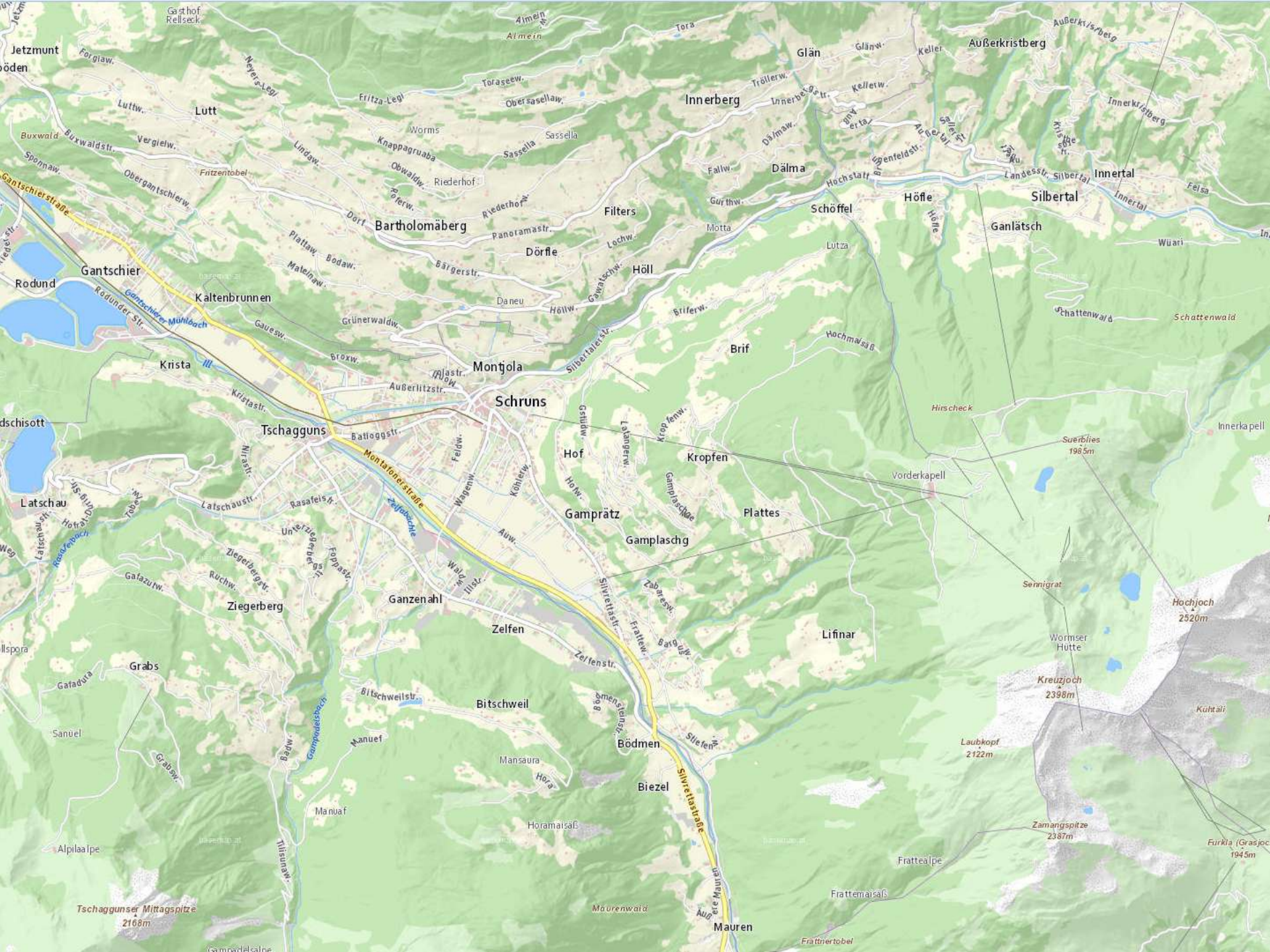
Dabernitzkogel
2969m

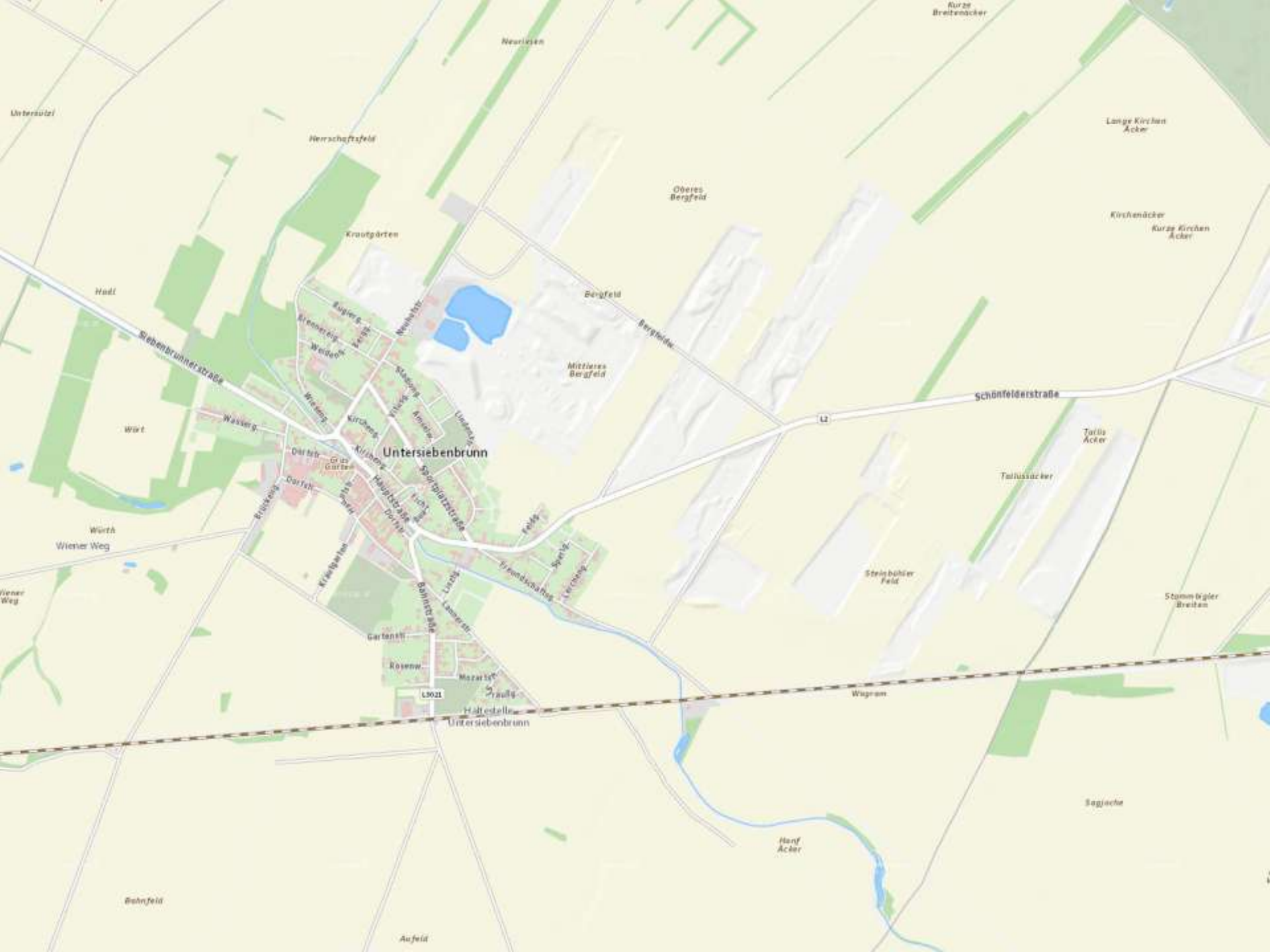


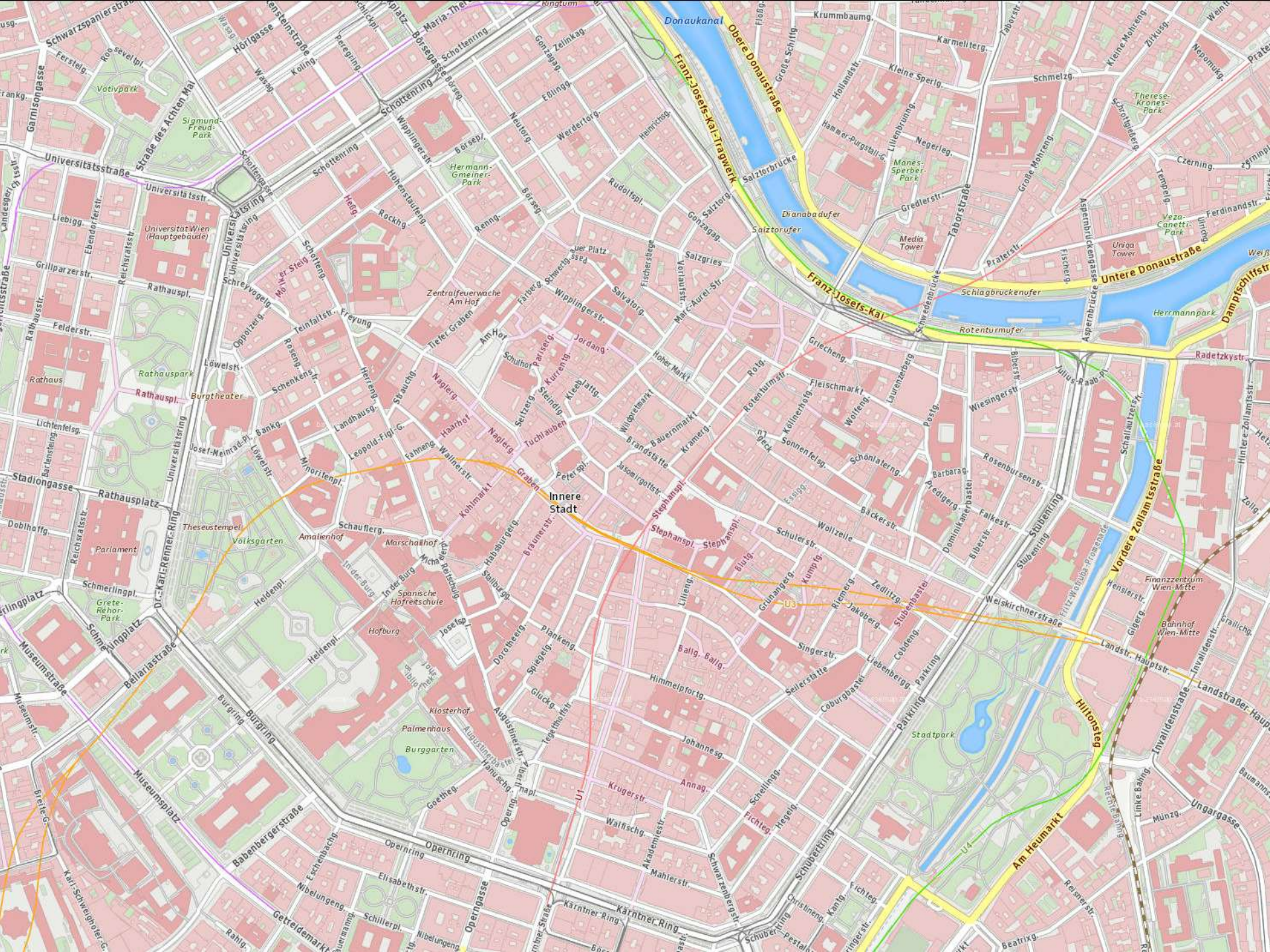












Hosting

- City of Vienna
- Service availability: 99,985%
- Response: 1 – 4 ms per tile
- Actualisation of the TileCache every 2 months

Interfaces

- **Tile Cache** (Web Mercator Auxiliary Sphere, OGC conform)
- **Web Map Tile Service** (WMTS 1.0.0, OGC conform)
- **GetCapabilities:** <http://www.basemap.at/wmts/1.0.0/WMTSCapabilities.xml>
- **compatible to:**
 - *ArcGIS, QGIS*
 - *OpenLayers, Leaflet*
 - *Google Maps, OSM, Bing Maps*

Tutorials

- at basemap.at

Für Testzwecke kann die basemap.at hier betrachtet werden:

[Home](#) [Über basemap.at](#) [Zugang](#) [Nutzungsbedingungen](#) [Galerie](#) [Kontakt](#) [Zur Karte](#) [\[english\]](#)

Hilfe

Für die Integration von basemap.at und weiterer OGD Dienste in Geoinformationssysteme und Frameworks finden Sie hier Hilfestellungen:

- ArcGIS Desktop: [PDF \(1MB\)](#)
- ArcGIS Online: [PDF \(1MB\)](#)
- QGIS: [PDF \(1MB\)](#), [iSticktoit.net](#), [GISForge](#)
- OpenLayers: [PDF \(200KB\)](#)
- Smallworld WebMapConnector: [Youtube-Video](#)
- WordPress: [WP OpenStreetMap Plugin](#), [Leaflet Maps Makers](#)
- rmDATA: [GeoWeb Support](#)

ArcGIS Online Integration

ArcGIS ▾ Eigene Karte

NEUE KARTE [Anmelden](#)

Details

Hinzufügen ▾

Grundkarte

Drucken

Messen

Lesezeichen

Adresse oder Ort suchen



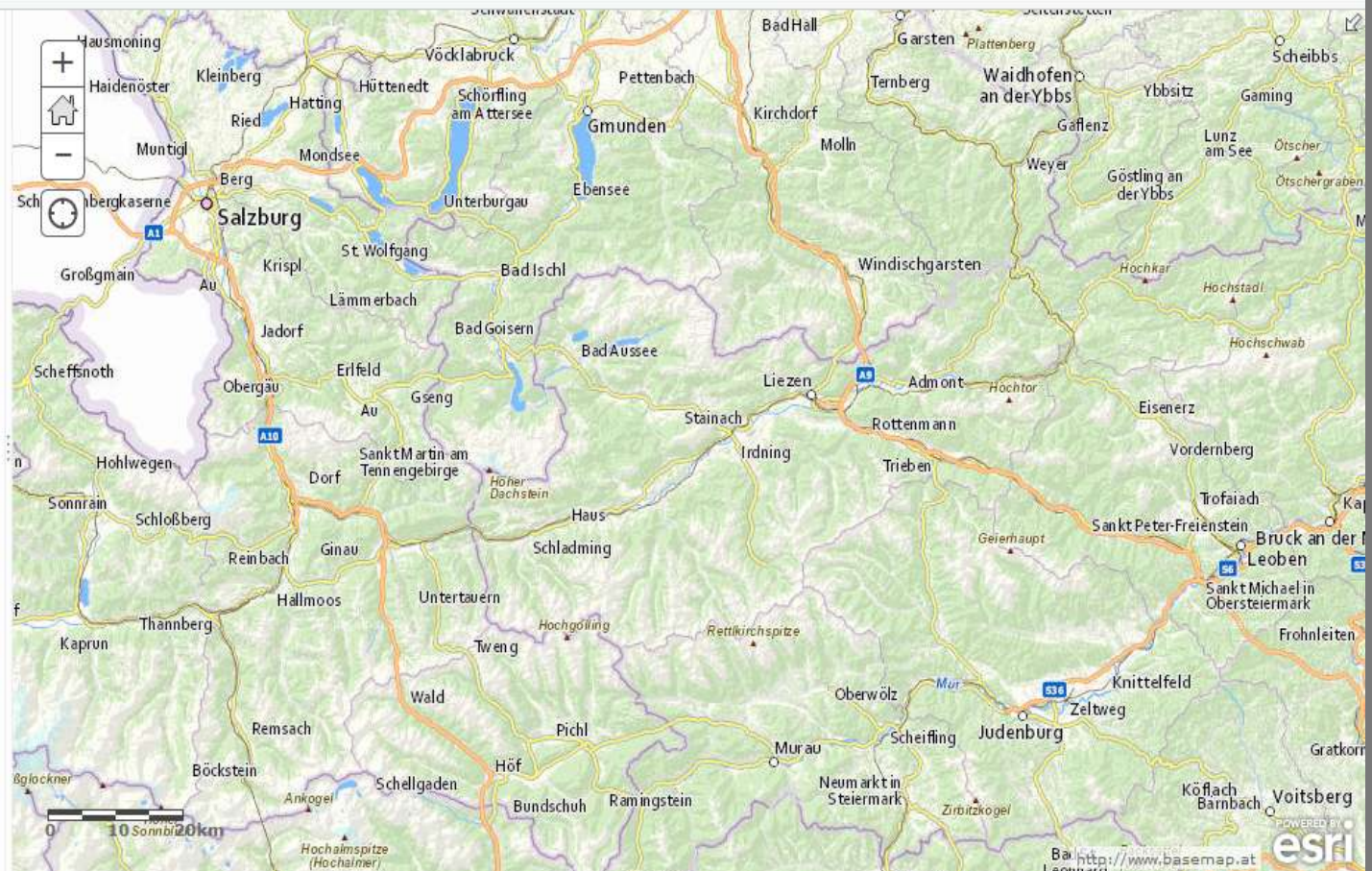
Info

Inhalt

Legende

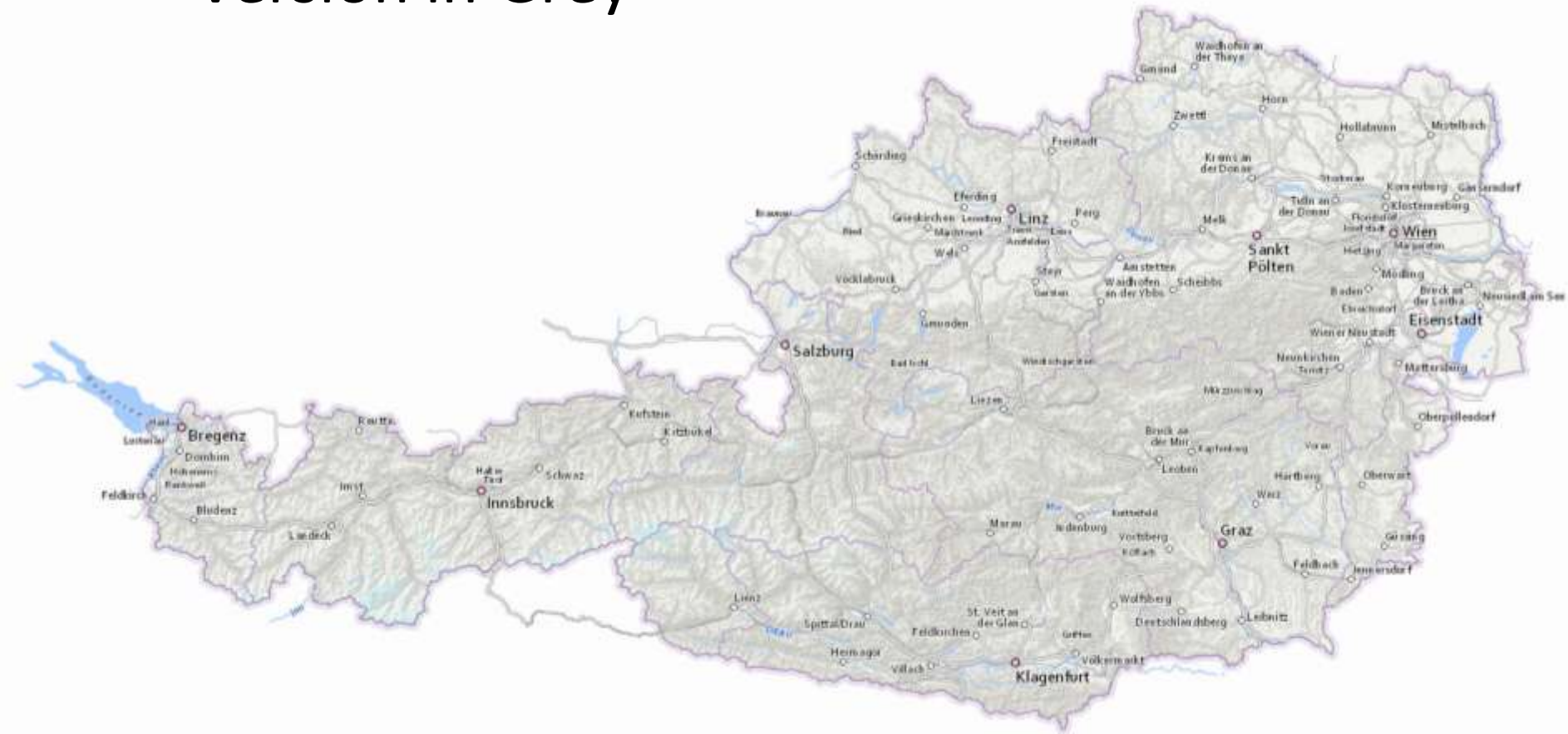
Inhalt

Geoland Basemap



Planned Products

- Version in Grey

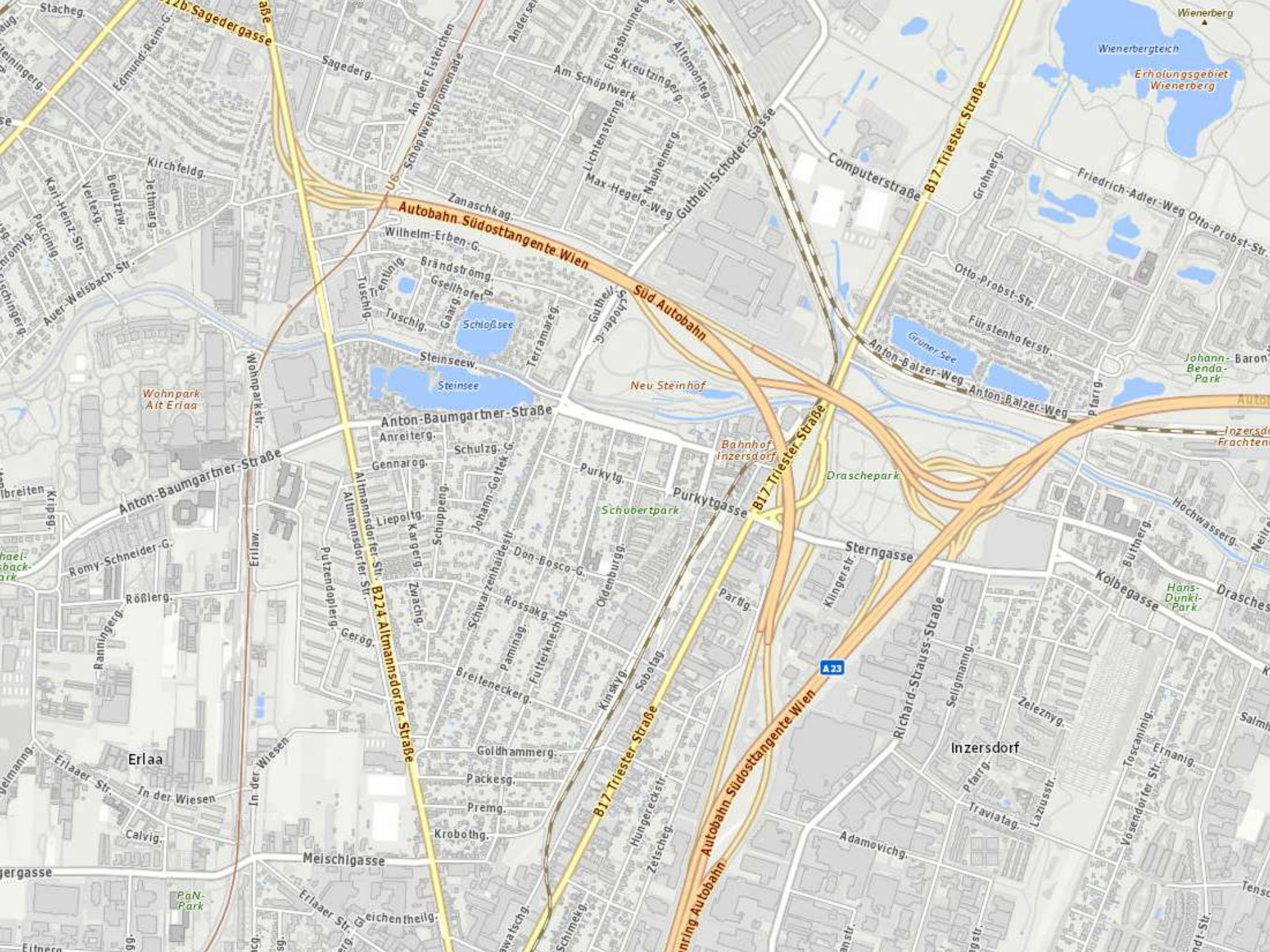




Planned Products

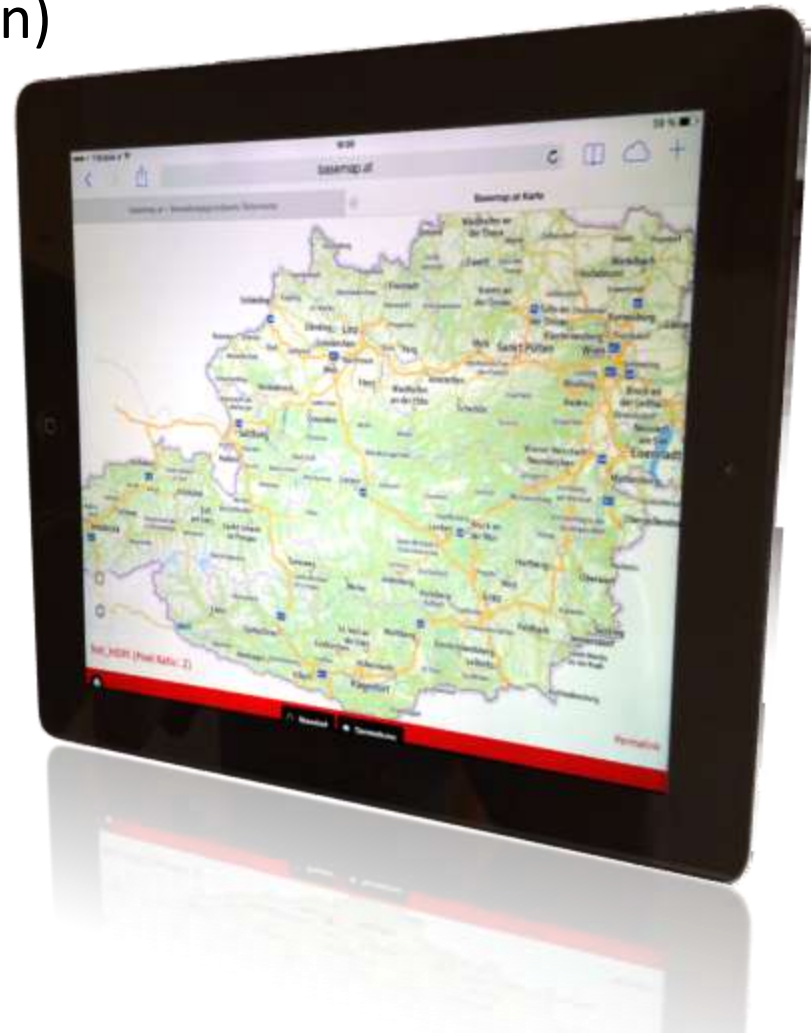
- Opaque Street Network

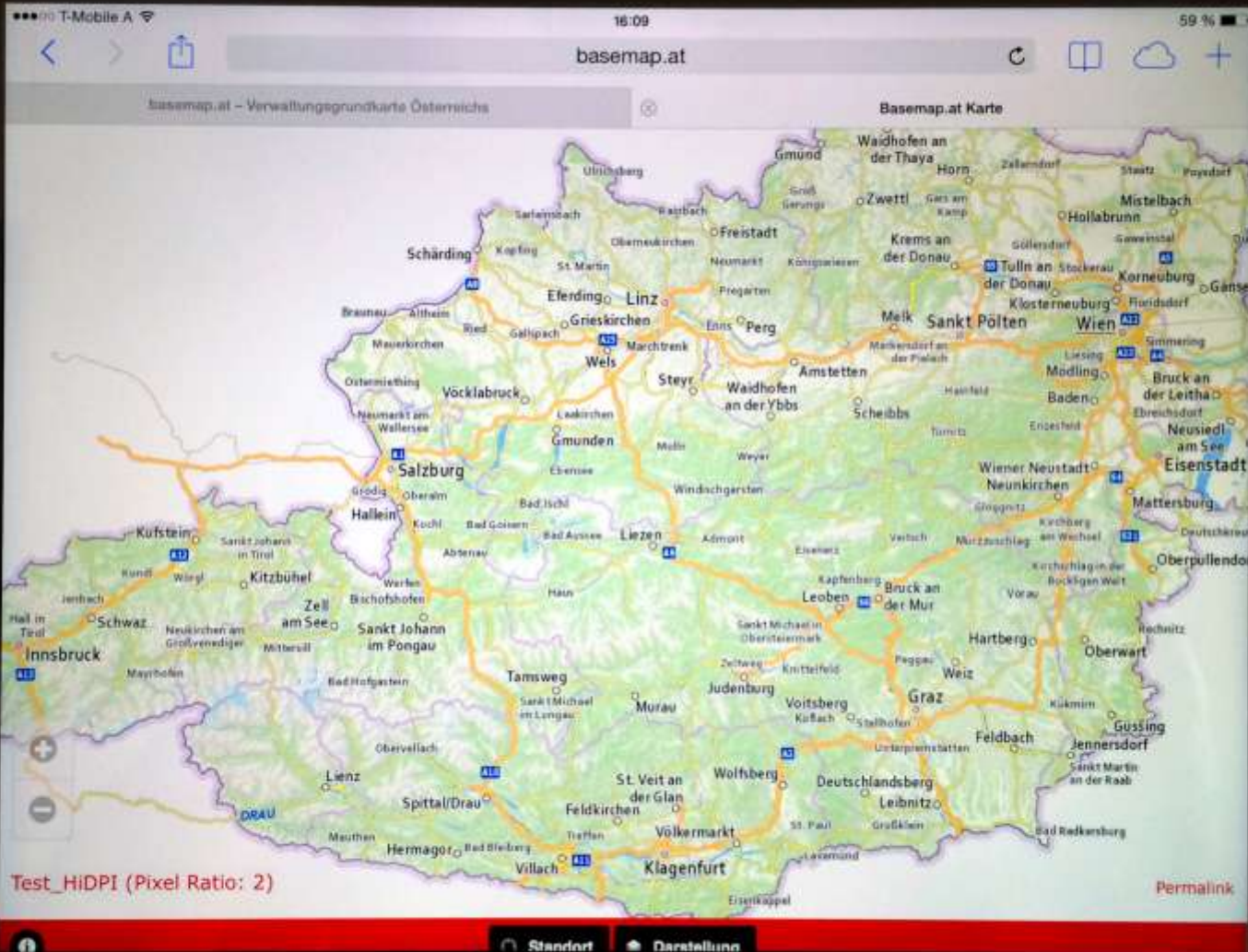




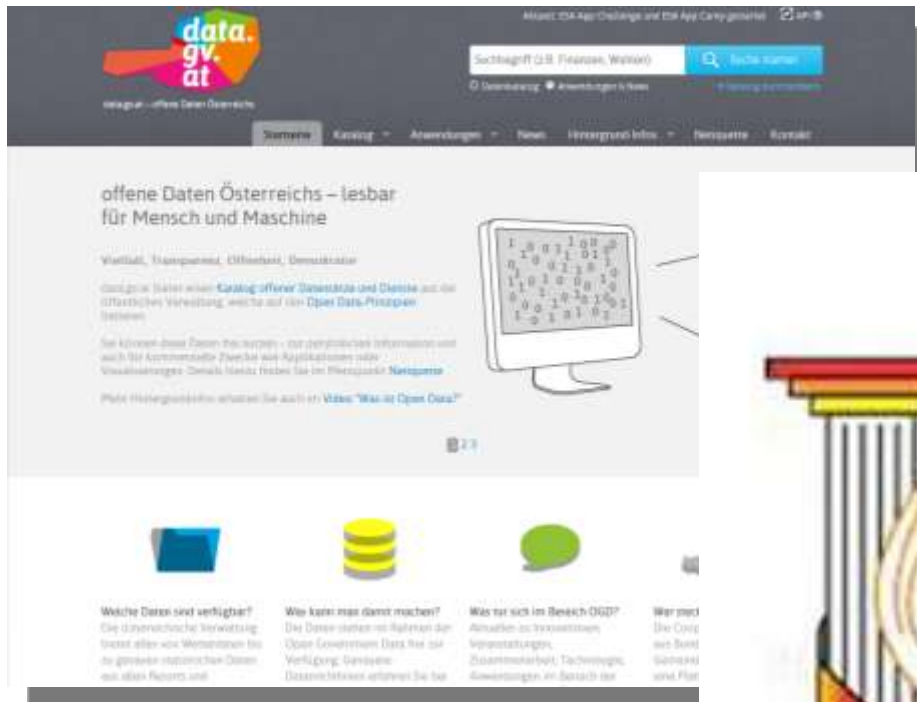
Planned Products

- HiDPI (doubled resolution)





Winner - UN Public Service Award 2014



Standards

SDI

SOA

Open Geo Data

Modern Cartography



Where are we?

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Association Cartographique Internationale



Data!

Data?

We are not short of data

Data?

more spatial data than ever is produced

Data?

The problem is often not that we don't have enough data but rather too much.

Data!

Because we have access to data, we make something with it.

We link it, we analyze it, we produce applications out of it.

I call this a **data-driven approach**.

Technologies!

Technologies?

We are not short of technologies

Technologies?

more technologies than ever are available
for spatial data handling

sensors, data acquisition technologies,
data handling technologies..

Technologies?

The problem is often not that we don't have enough technologies but rather too many and too fast changing.

Technologies!

Because we have a new technology, we make something with it.

We evaluate it, we address it, we apply it.

I call this a **technology-driven approach**.

Data-driven and technology-driven
approaches

determine the use.

the particular

need, demand, question, or problem

of a

human user

is often taken into account only when the
system has been built.

Often, this causes problems or leads to products, systems, and applications that are not accepted, **not efficient**, or simply not usable.

What if **starting from the question**
„What are the demands, questions,
problems, or needs of human users in
respect to location?“

What if starting from the question What are the demands, questions, problems, or needs of human users in respect to location?

We could eventually apply data and technology in a sense that they serve such **user-centered approaches rather than determine the use.**

How can we **unleash the potential of spatial information?**

How can we make sure that spatial data is really **applicable for governments, for decision makers, for planners, for citizens** through applications, products, and systems, which are not forcing them to adapt to the system but are easy to use and efficiently support the human user?

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Maps and Cartography are key.

Strategies

- Education
- Research
- Organisations

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Education

International **Masterprogramme „Cartography“**
TU München, TU Wien, TU Dresden, Uni Twente

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Commissions

Commission on **Art and Cartography** Commission on **Atlases** Commission on **Cartography and Children** Commission on **Cartography in Early Warning and Crisis Management** Commission on **Cognitive Visualization** Commission on **Data Quality** Commission on **Digital Technologies in Cartographic Heritage** Commission on **Education and Training** Commission on **Generalisation and Multiple Representation** Commission on **Geoinformation Infrastructures and Standards** Commission on **Geospatial Analysis and Modeling** Commission on **Geovisualization** Commission on **GI for Sustainability** Commission on the **History of Cartography** Commission on **Map Design** Commission on **Map Production and Geo-Business** Commission on **Map Projections** Commission on **Mapping from Remote Sensor Imagery** Commission on **Maps and Graphics for Blind and Partially Sighted People** Commission on **Maps and Society** Commission on **Maps and the Internet** Commission on **Mountain Cartography** Commission on **Neocartography** Commission on **Open Source Geospatial Technologies** Commission on **Planetary Cartography** Commission on **Theoretical Cartography** Commission on **Ubiquitous Mapping** Commission on **Use and User Issues**

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Cartographic Exhibitions

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Children Map Competition

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Outreach and Capacity Building

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Geo4All

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International Map Year 2015

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International Map Year 2015

The main purpose of the International Map Year (IMY), to be launched at the 28th International Cartographic Conference in Rio de Janeiro, is **to expose the importance of maps and geographic information in human society.**



What is the International Map Year?

- IMY is a worldwide celebration of maps and their unique role in our world.
- IMY provides opportunities to demonstrate, follow, and get involved in the art, science and technology of making and using maps and geographic information.
- ICA expects that all its members (about 80 member nations worldwide) will participate in order to give each citizen a broader knowledge of geoinformation and maps.



What are the specific purposes of IMY?

- make maps more visible to citizens in a global context
- give all an opportunity to learn more about associated geospatial sciences
- show how maps can be used in society
- encourage all to experience how information technology can be used in acquiring and handling geographic information, and how it is possible to produce one's own maps
- demonstrate the necessity of a sustainable development of geographic information infrastructures.

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What are the specific purposes of IMY?

IMY activities will focus on children and the general public, but also involve professionals and government agencies,

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UN-GGIM

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ICSU

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International Cartographic Association

International Journal of Cartography

International Cartographic Association
Association Cartographique Internationale



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ICA Research Scholarship

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International Cartographic Association

International Cartographic Conference

August 2015 Rio de Janeiro, Brasil

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International Cartographic Association

www.icaci.org

ICA
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Association Cartographique Internationale

News Calendar Publications The Association Members Commissions Research Agenda ICC Conferences ?

ICA Map of the Month
03/2012

Map of the Month 2012: Panoramic tourist map of resort Sunny Beach, Bulgaria

CfP: LBS 2012 in Munich

We would like to inform you about the 9th International Symposium on Location-Based Services, which will take place in Munich, Germany, from October 16 to 19, 2012.

Given the fact, that a number of activities and industries in the domain of GIS, LBS and geoinformation management are situated in and around Munich, this promises to be an excellent venue.

The call for paper is currently open, please consider the deadline of April 15, 2012.

Publication in either the Journal on LBS and/or a book within the series *Lecture Notes on Geoinformation and Cartography* is anticipated.

Detailed information can be found at <http://www.lbs2012.bm.de>.

Category: Commission News, Maps and the Internet, Open Source Geospatial Technologies
Tag: cfP, Germany, LBS, symposium

5 March 2012 Guest No comments

CET Workshop Opportunities

GISCartography workshops have been successfully organised and conducted in Iran (2008), Indonesia (2010) and Viet Nam (2010), by the CET on behalf of the International Cartographic Association. An outline of the workshop conditions and format can be found at <http://iazanus.sfu.hk/cet/workshop/overview.pdf>.

Recent Posts

- CfP: LBS 2012 in Munich
- CET Workshop Opportunities
- Education and Training Modules
- March's Map of the Month is a panoramic tourist map of Sunny Beach, Bulgaria
- Mountain Cartography Workshop in New Zealand in September

Upcoming Events

- Mar 28–Mar 30 GeoTrends 2012
- Apr 17–Apr 19 GeoSiberia 2012
- Apr 19–Apr 20 7th ICA Workshop on Digital Approaches to Cartographic Heritage
- Apr 23–Apr 27 Geospatial World Forum
- Apr 24 Open Source GIS & WebMapping

2013