Crowdsourcing Geodata

Erfahrungen aus 3 Jahren

Frederik Ramm
ramm@geofabrik.de

FOSSGIS
Freiburg, 2. April 2008

OpenStreetMap

- Vor 3½ Jahren in Großbritannien gestartet
- Heute 30.000 registrierte Benutzer weltweit, davon 10% jeden Monat aktiv
- 250 Mio. GPS-Trackpunkte
- 250 Mio. manuell nachbearbeitete Geo-Objekte in der Datenbank
- 20 nationale Mailinglisten auf 5 Kontinenten

Crowdsourcing

User generated content

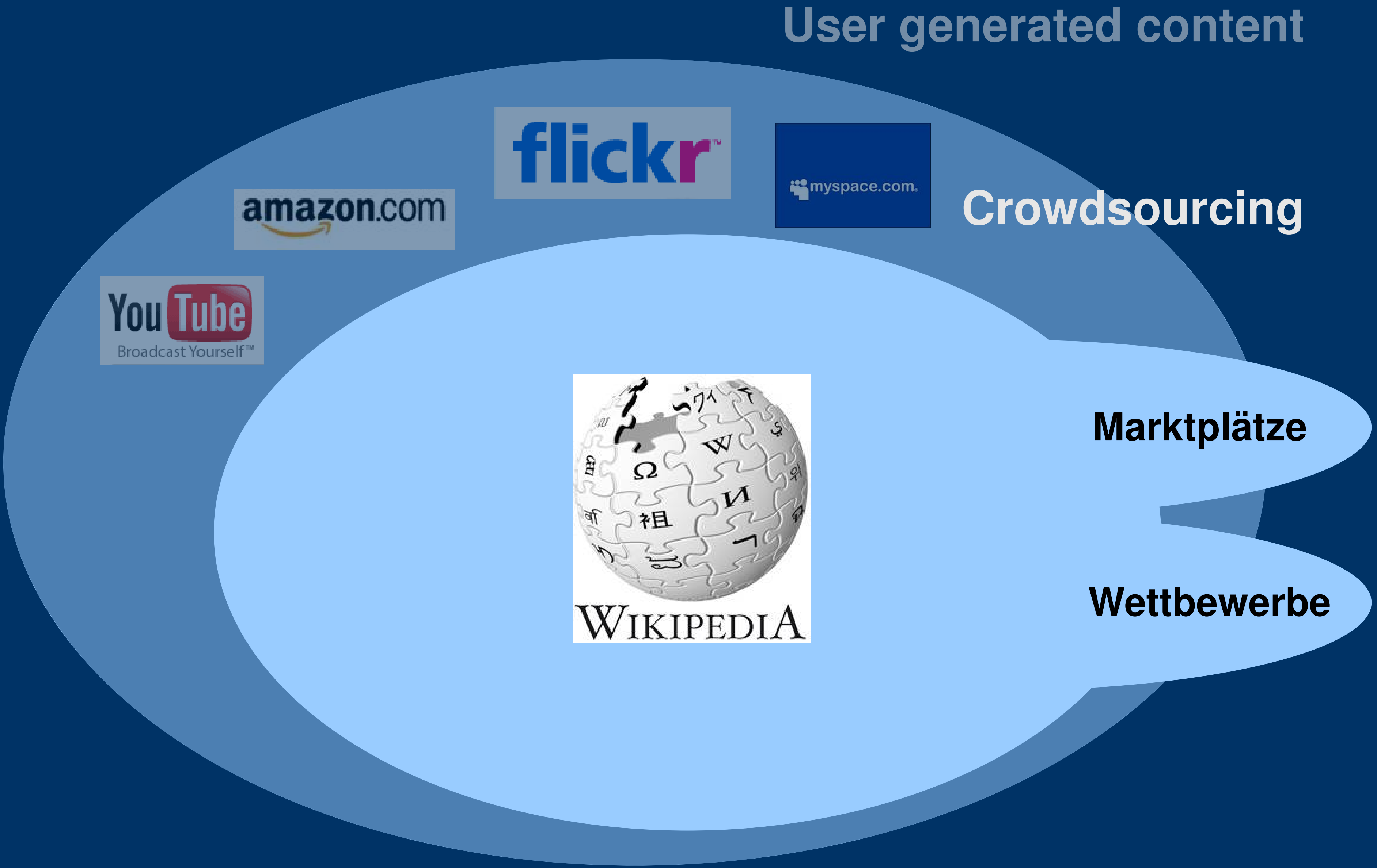
YouTube Broadcast Yourself™

flickr™

myspace.com®

amazon.com

Crowdsourcing



User generated content

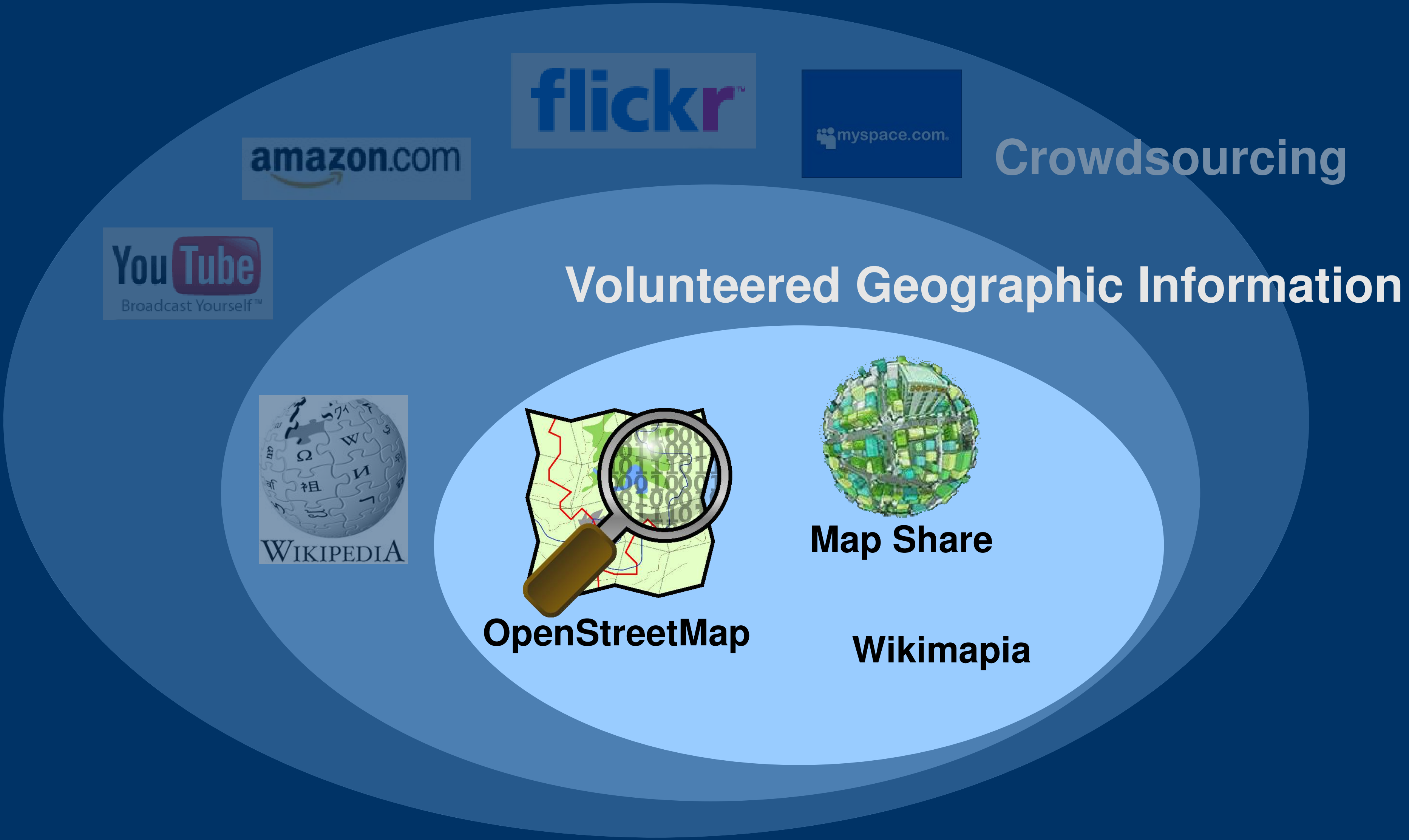
Crowdsourcing

Marktplätze

Wettbewerbe

You Tube
Broadcast Yourself™
amazon.com
flickr™
myspace.com
Wikipedia

Crowdsourcing


flickr
myspace.com
amazon.com
YouTube
Broadcast Yourself
WIKIPEDIA

User generated content

Crowdsourcing

Volunteered Geographic Information

Map Share

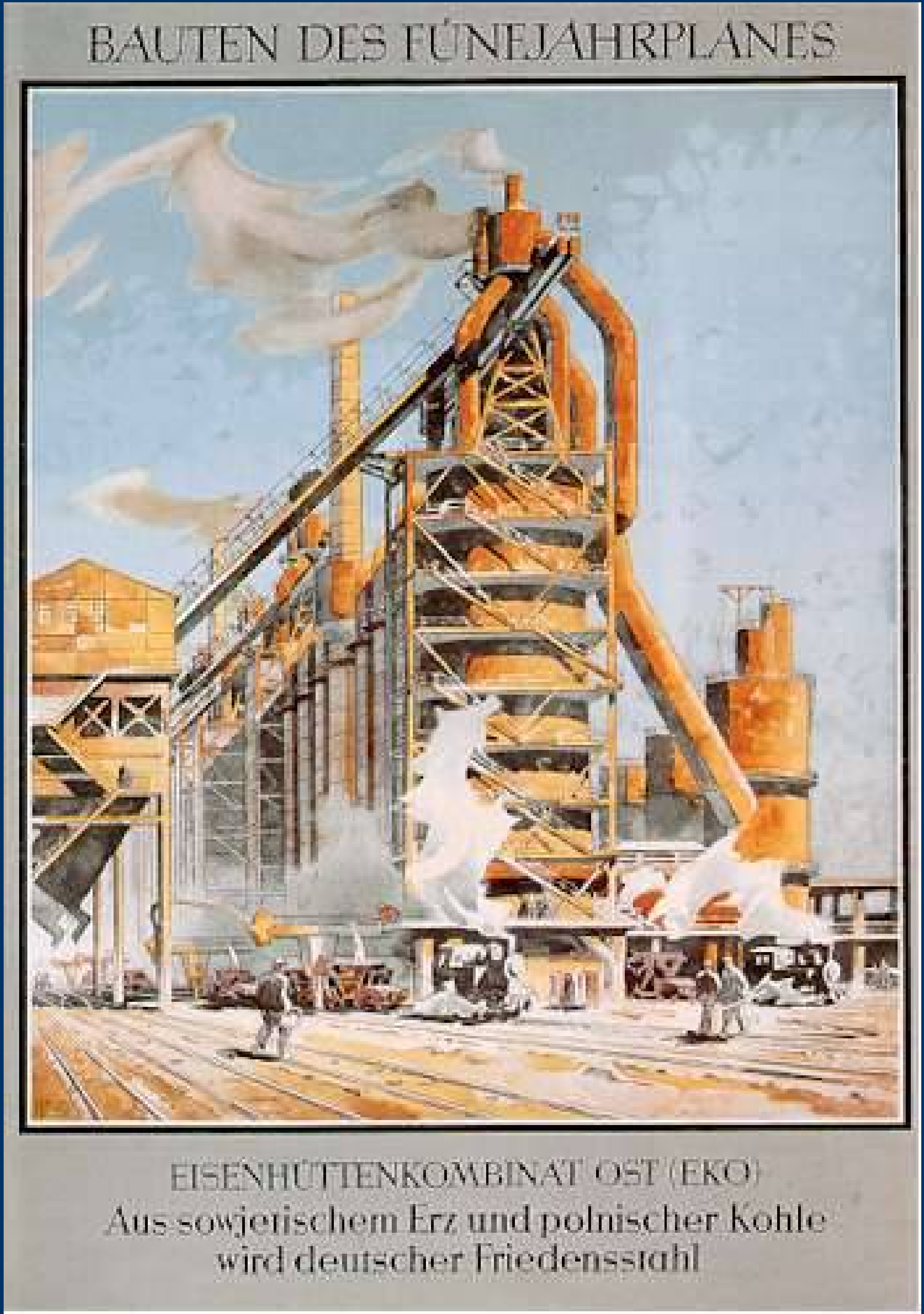
OpenStreetMap

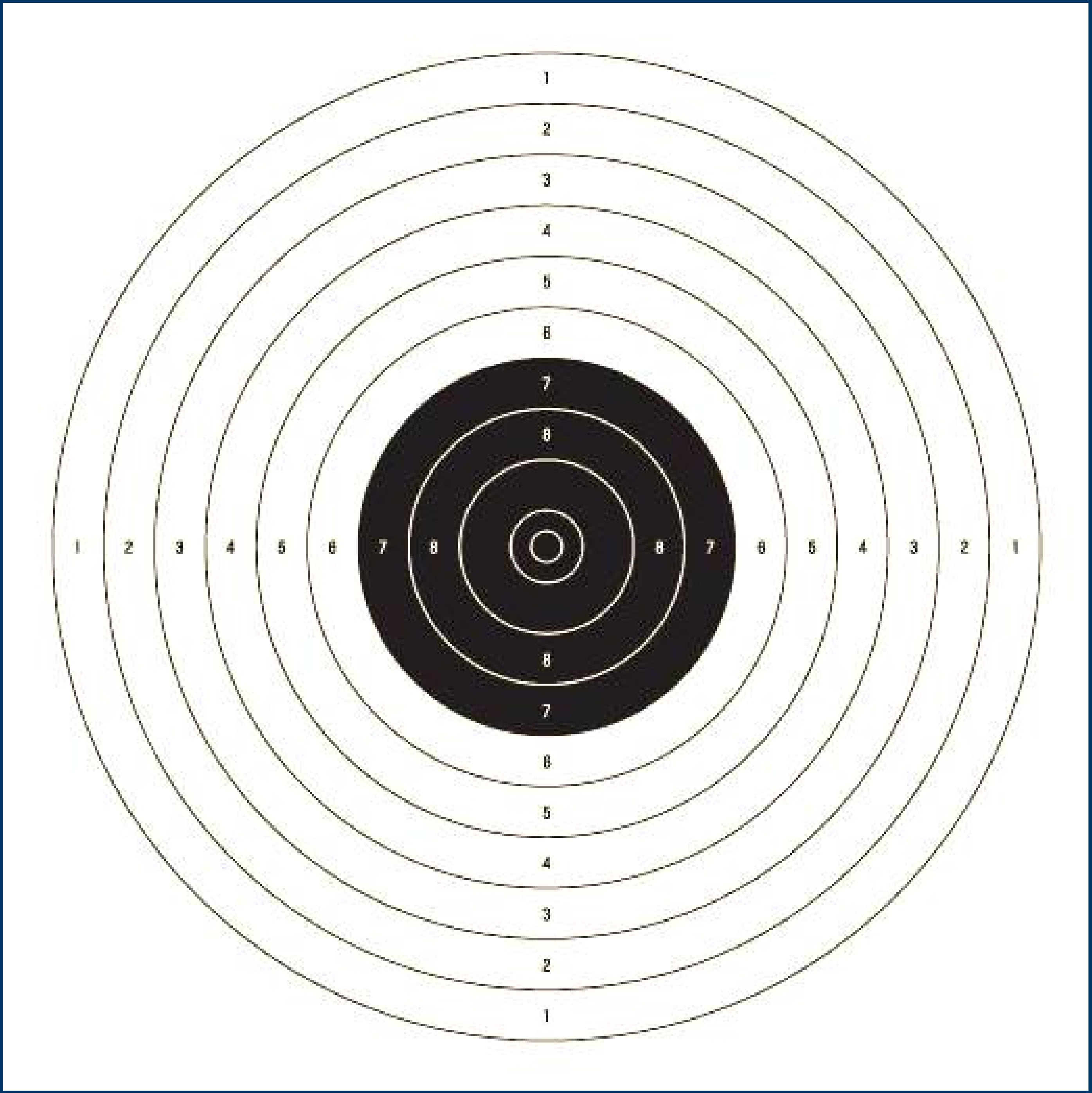
Wikimapia

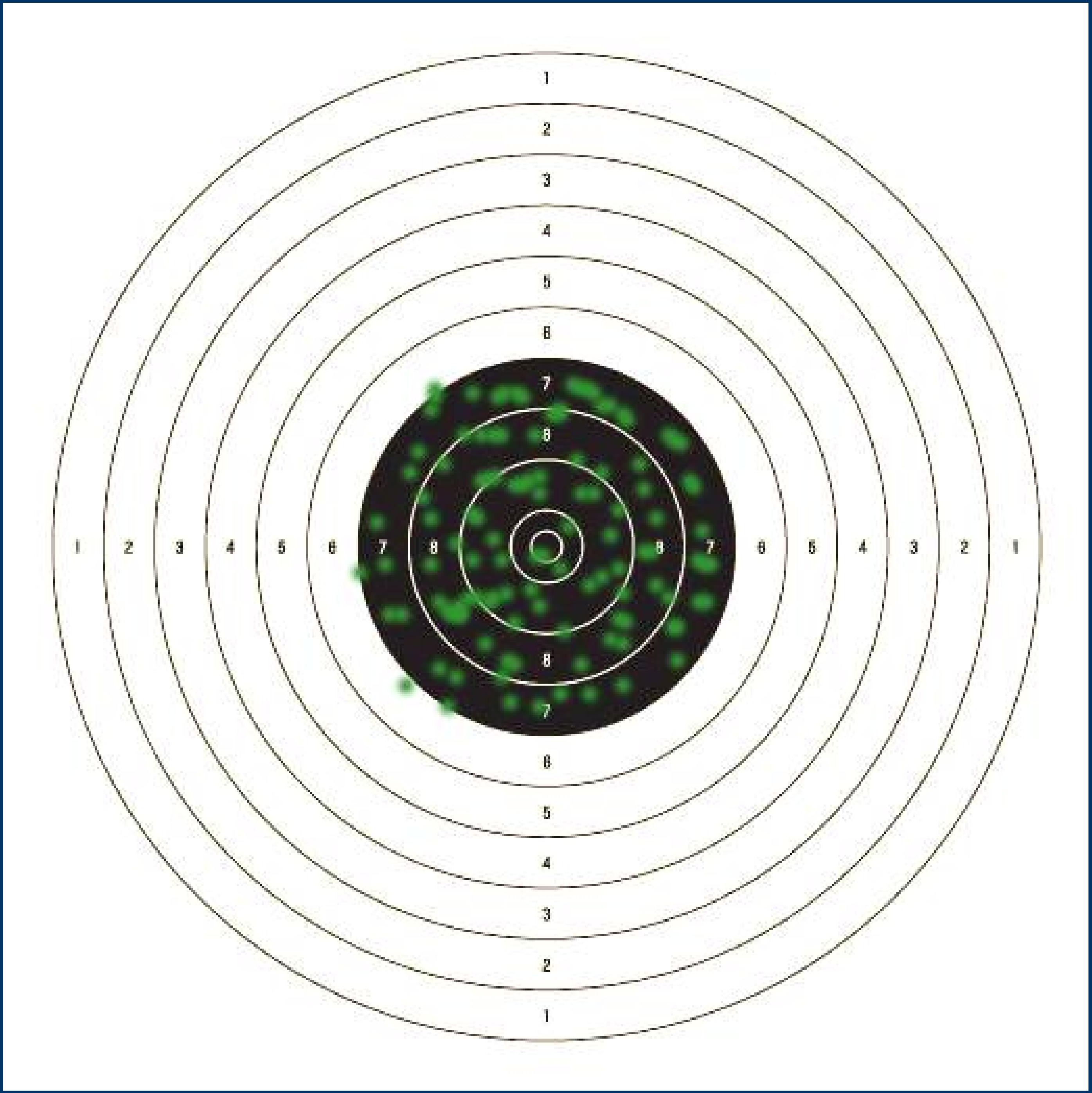
Crowdsourcing: offen / geschlossen

- “geschlossenes” Crowdsourcing:
  Nutzer als billige Arbeitskräfte, gesteuert von zentraler Organisation

- “offenes” Crowdsourcing:
  Nutzer als Partner und Mitgestalter, Aufbau einer Community


BAUTEN DES FÜNFJAHRPLANES
EISENHÜTTENKOMBINAT OST (EKO)
Aus sowjetischem Erz und polnischer Kohle
wird deutscher Friedensstahl


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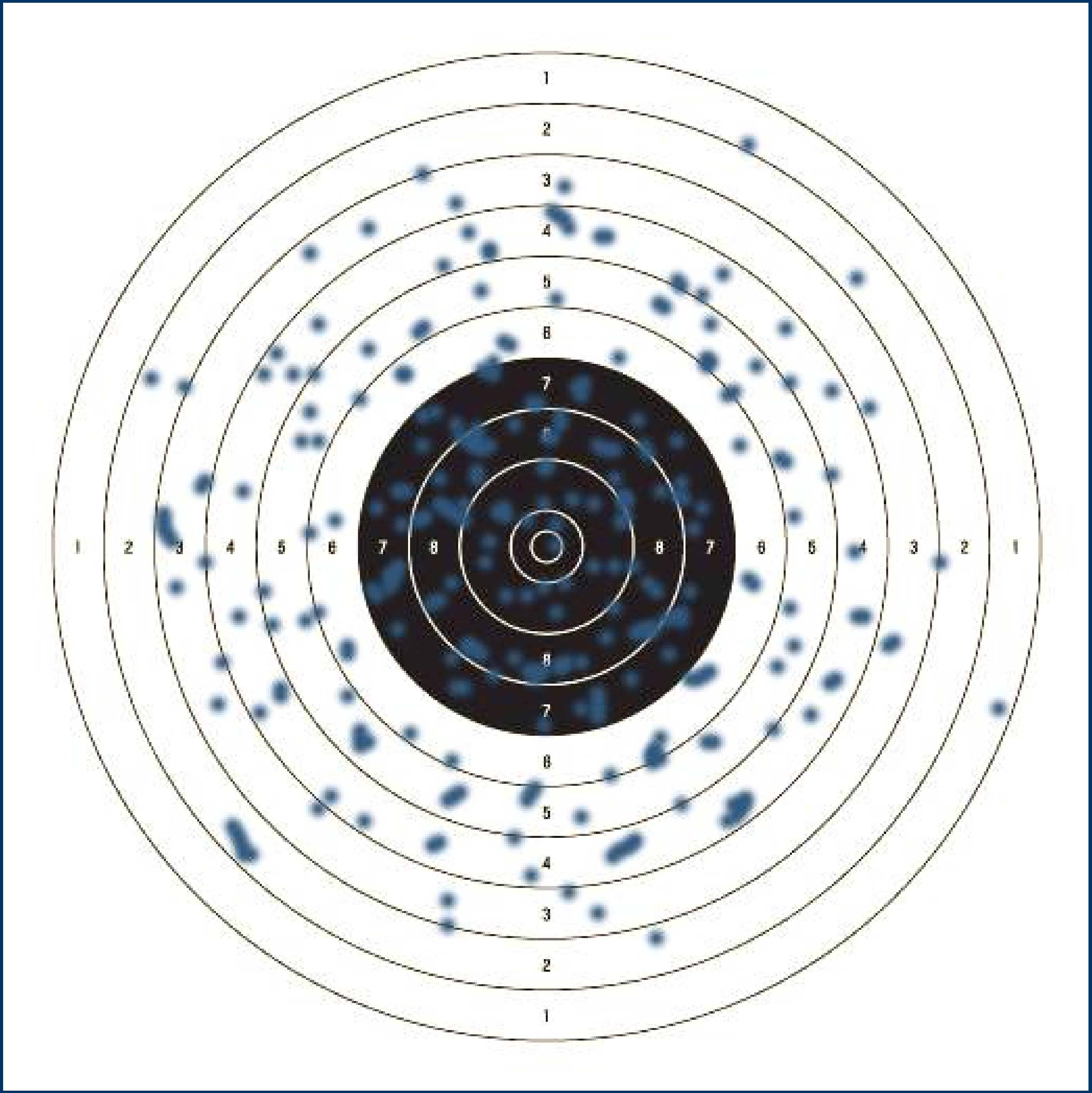
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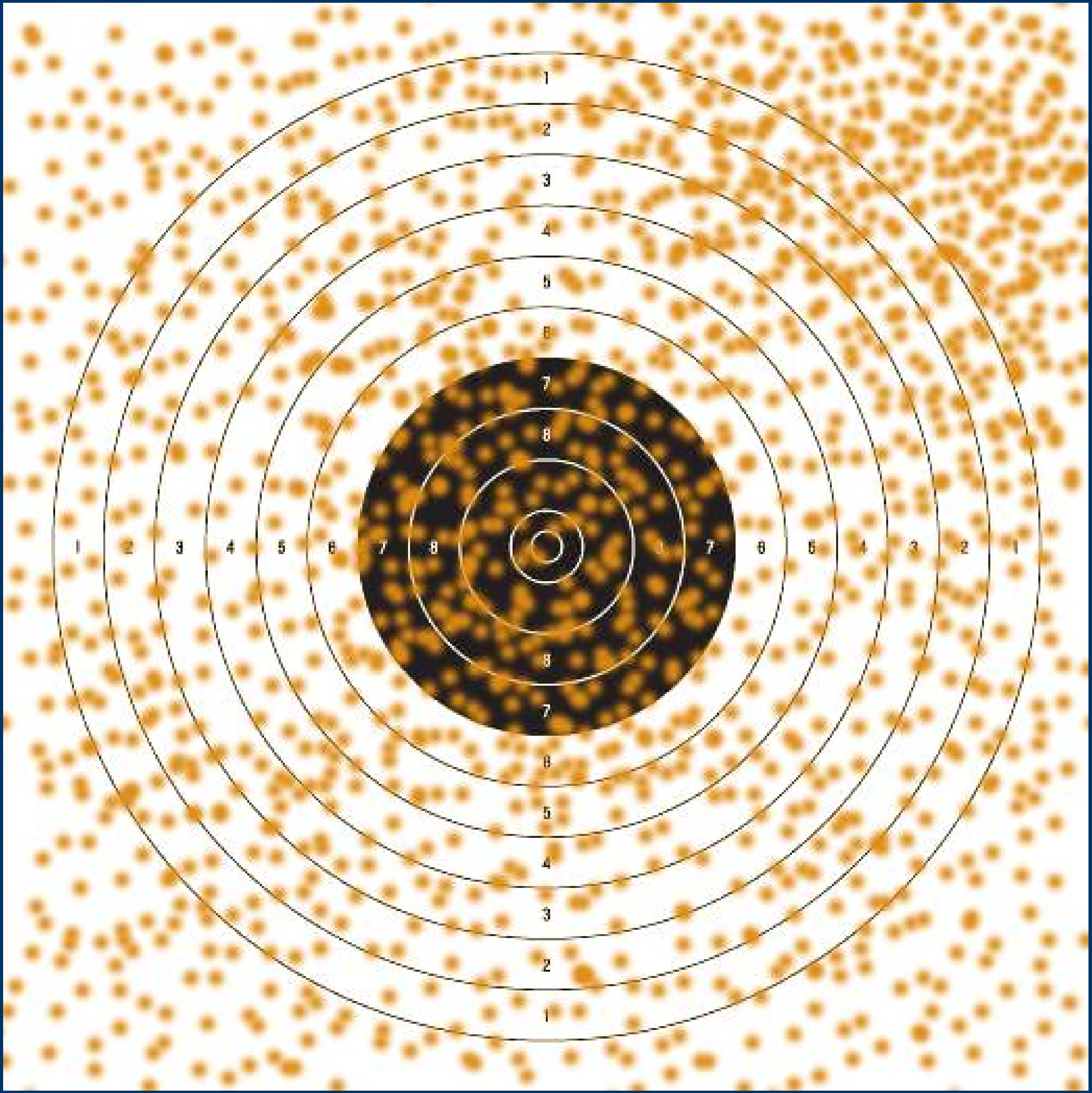
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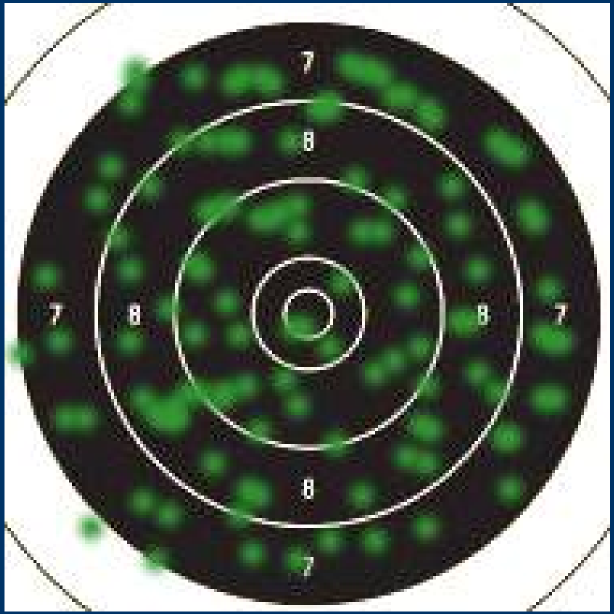
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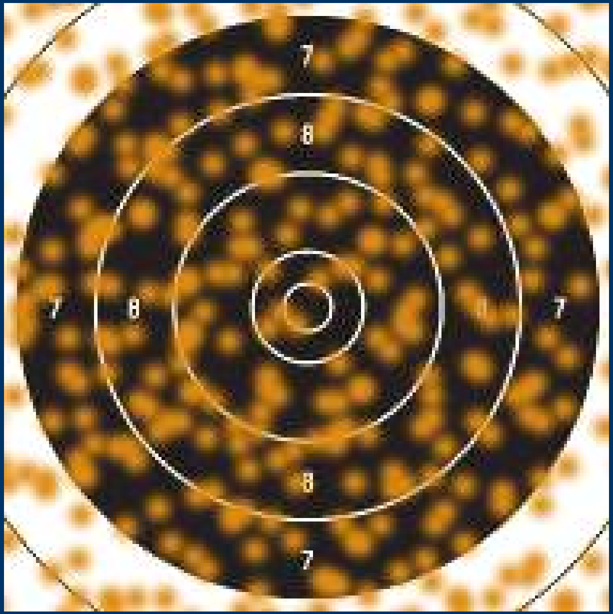
8
8
7
7


7
8
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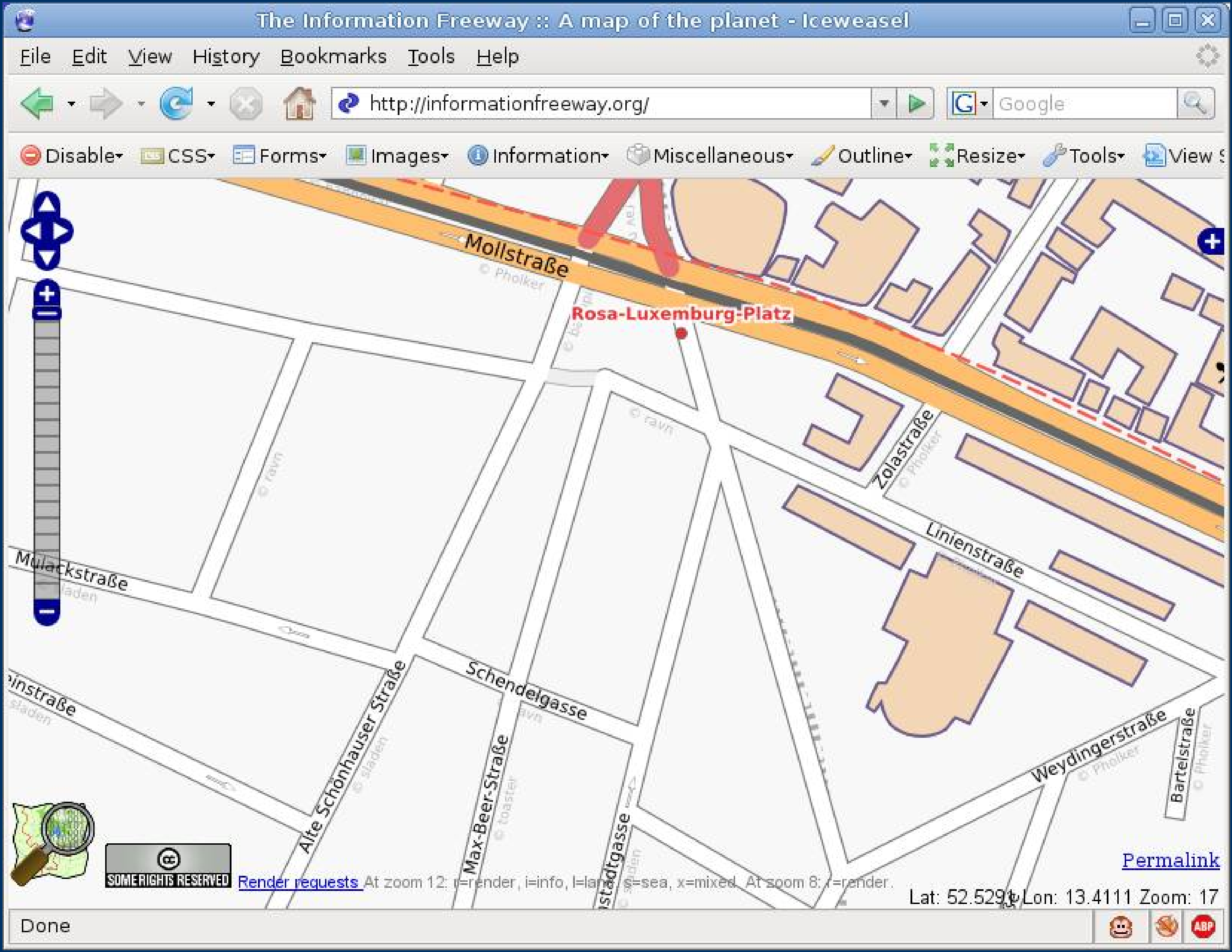
Was

motiviert

30,000 Menschen?


The Information Freeway :: A map of the planet - Iceweasel
File Edit View History Bookmarks Tools Help
http://informationfreeway.org/
Google
Disable CSS Forms Images Information Miscellaneous Outline Resize Tools View
Mollstraße
Rosa-Luxemburg-Platz
Zolastraße
Linienstraße
Mulackstraße
instraße
Alte Schönhauser Straße
Schendelgasse
Max-Beer-Straße
stadtgasse
Weydingerstraße
Bartelstraße
© Pholker
© ravn
© sladen
© toaster
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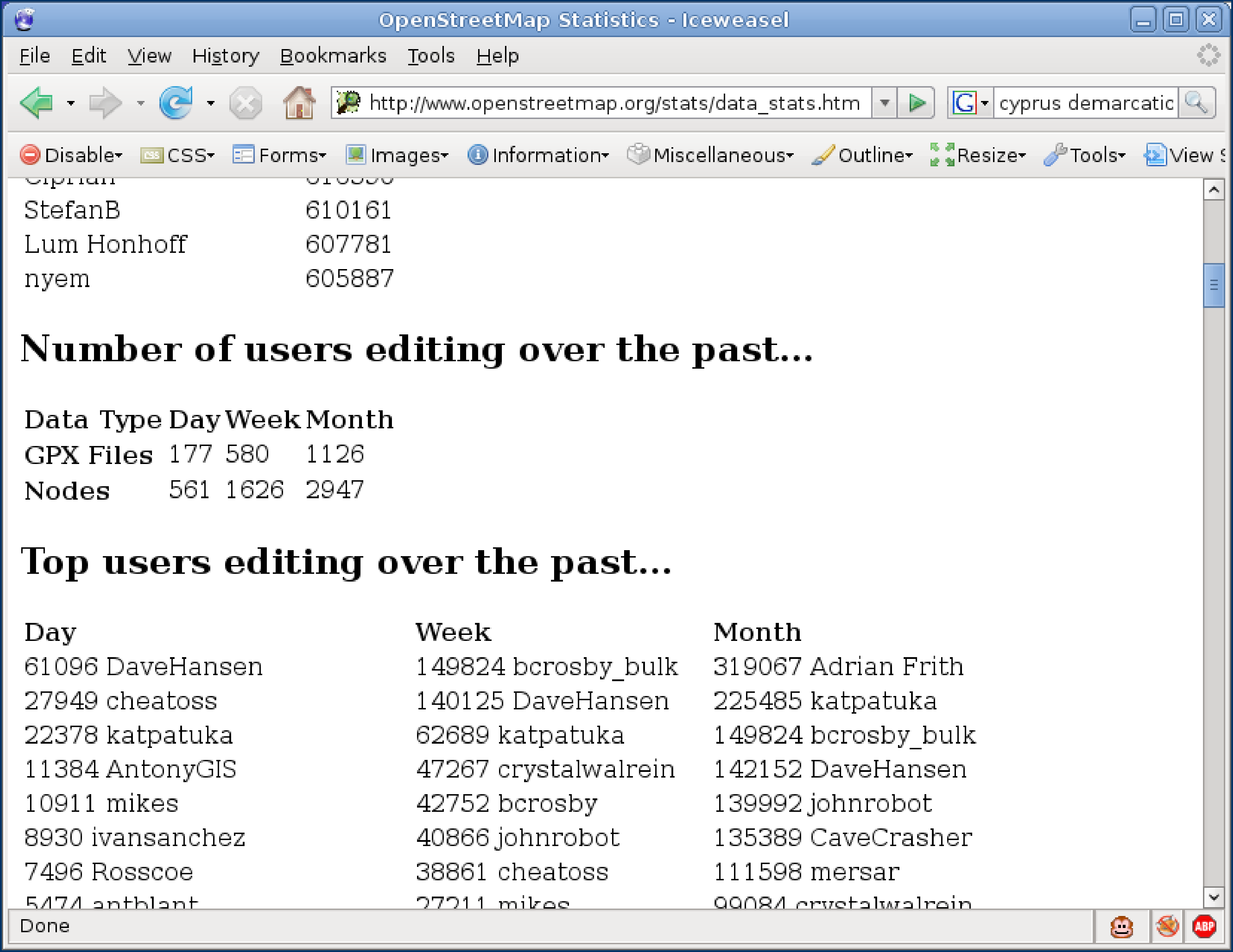
Render requests At zoom 12: r=render, i=info, l=land, s=sea, x=mixed. At zoom 8: r=render.

Lat: 52.5291 Lon: 13.4111 Zoom: 17

Done


OpenStreetMap Statistics - Iceweasel
File Edit View History Bookmarks Tools Help
http://www.openstreetmap.org/stats/data_stats.htm
cyprus demarcatic
Disable CSS Forms Images Information Miscellaneous Outline Resize Tools View
Done

StefanB	610161
Lum Honhoff	607781
nyem	605887

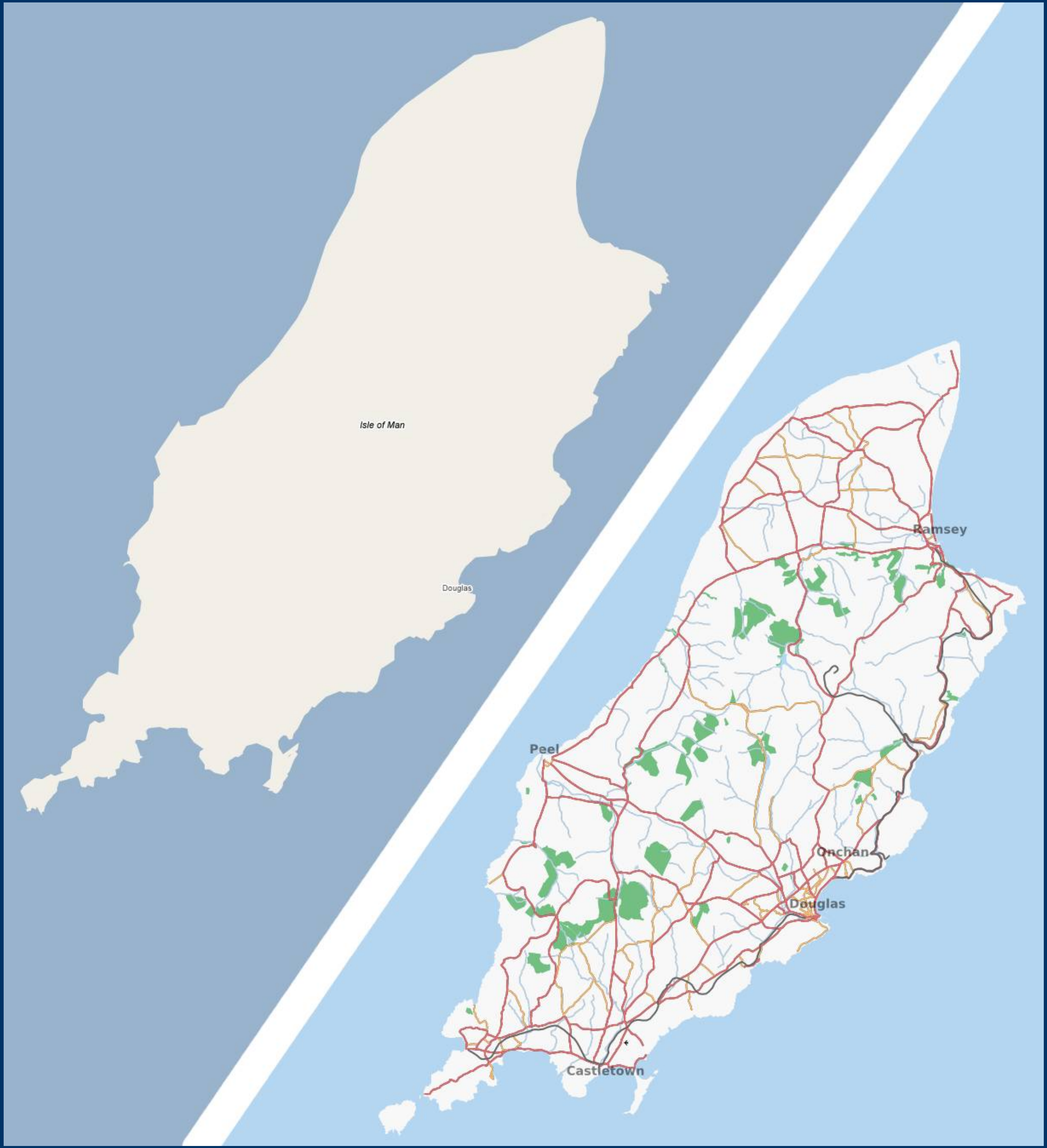
Number of users editing over the past...

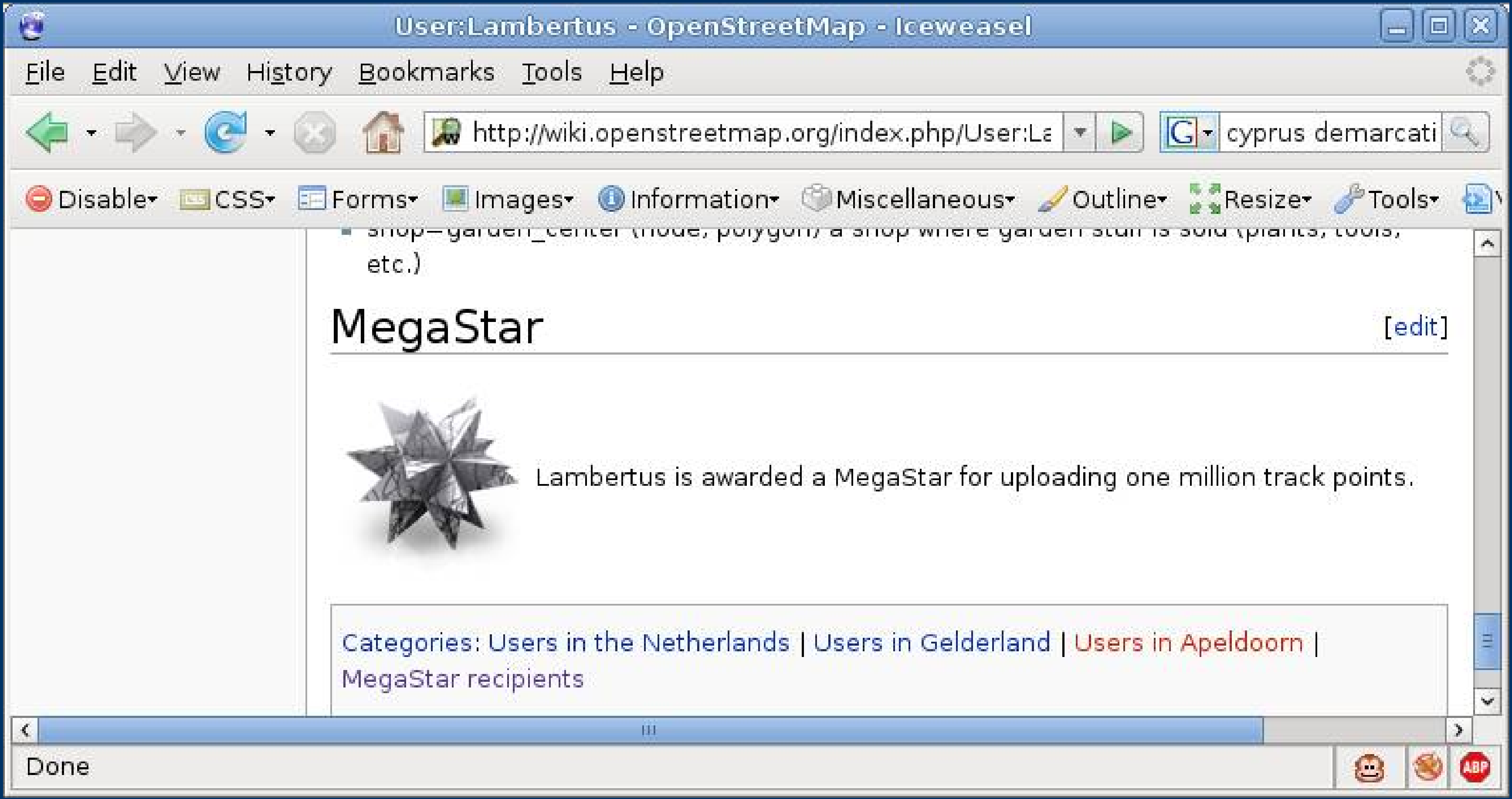
Data Type	Day	Week	Month
GPX Files	177	580	1126
Nodes	561	1626	2947

Top users editing over the past...

Day	Week	Month
61096 DaveHansen	149824 bcrosby_bulk	319067 Adrian Frith
27949 cheatoss	140125 DaveHansen	225485 katpatuka
22378 katpatuka	62689 katpatuka	149824 bcrosby_bulk
11384 AntonyGIS	47267 crystalwalrein	142152 DaveHansen
10911 mikes	42752 bcrosby	139992 johnrobot
8930 ivansanchez	40866 johnrobot	135389 CaveCrasher
7496 Rosscoe	38861 cheatoss	111598 mersar
5474 antblant	27211 mikes	99084 crystalwalrein

(Berlin, Anfang 2007)


Isle of Man
Douglas
Ramsey
Peel
Onchan
Douglas
Castletown


User:Lambertus - OpenStreetMap - Iceweasel
File Edit View History Bookmarks Tools Help
http://wiki.openstreetmap.org/index.php/User:La
cyprus demarcati
Disable CSS Forms Images Information Miscellaneous Outline Resize Tools
Done

- shop=garden_center (node, polygon) a shop where garden stuff is sold (plants, tools, etc.)

MegaStar

[edit]

Lambertus is awarded a MegaStar for uploading one million track points.

Categories: Users in the Netherlands | Users in Gelderland | Users in Apeldoorn | MegaStar recipients

Menschen

Menschen

- Arbeitsbienen

Menschen

- Arbeitsbienen
- Eintagsfliegen

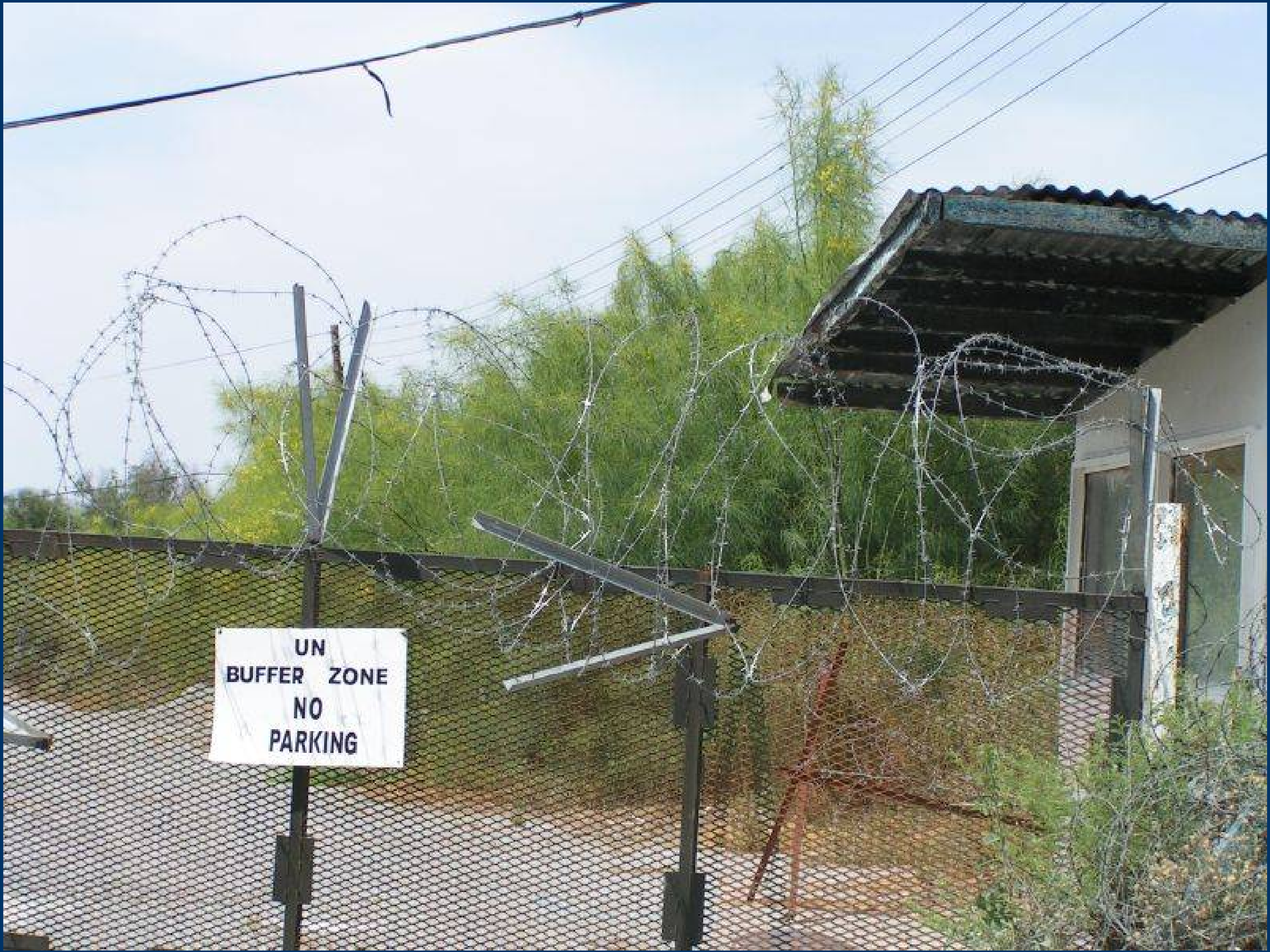
Menschen

- Arbeitsbienen
- Eintagsfliegen
- Profis

Menschen

- Arbeitsbienen
- Eintagsfliegen
- Profis
- Ideologen

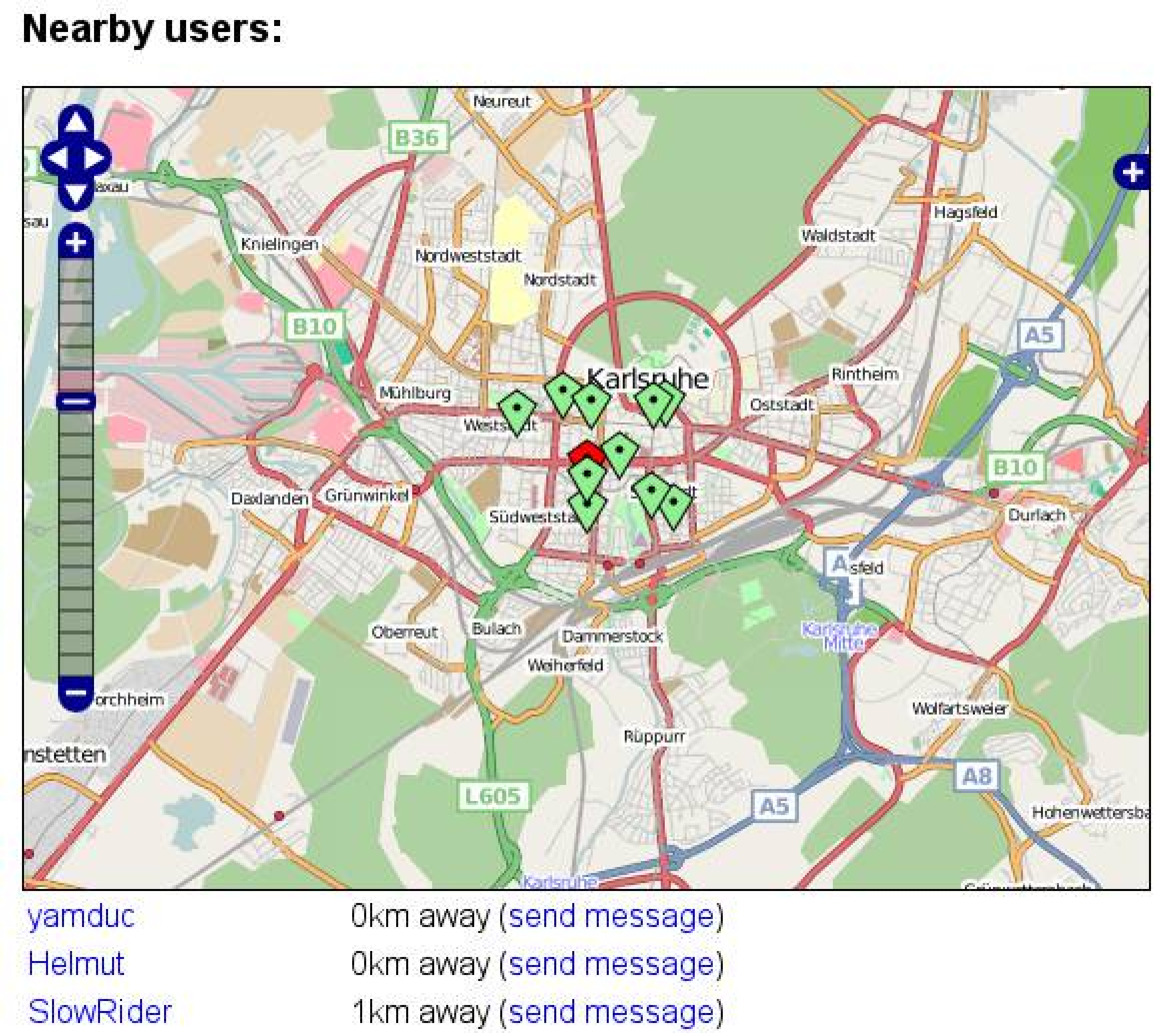
NO!
NO!
NO!
MORE TROOPS


UN
BUFFER ZONE
NO
PARKING

Menschen unterscheiden sich in...

- technischer Kompetenz
- Sachkompetenz
- Dauer und Intensität der Mitarbeit
- Engagement in der Community
- ...

Pflege der Community

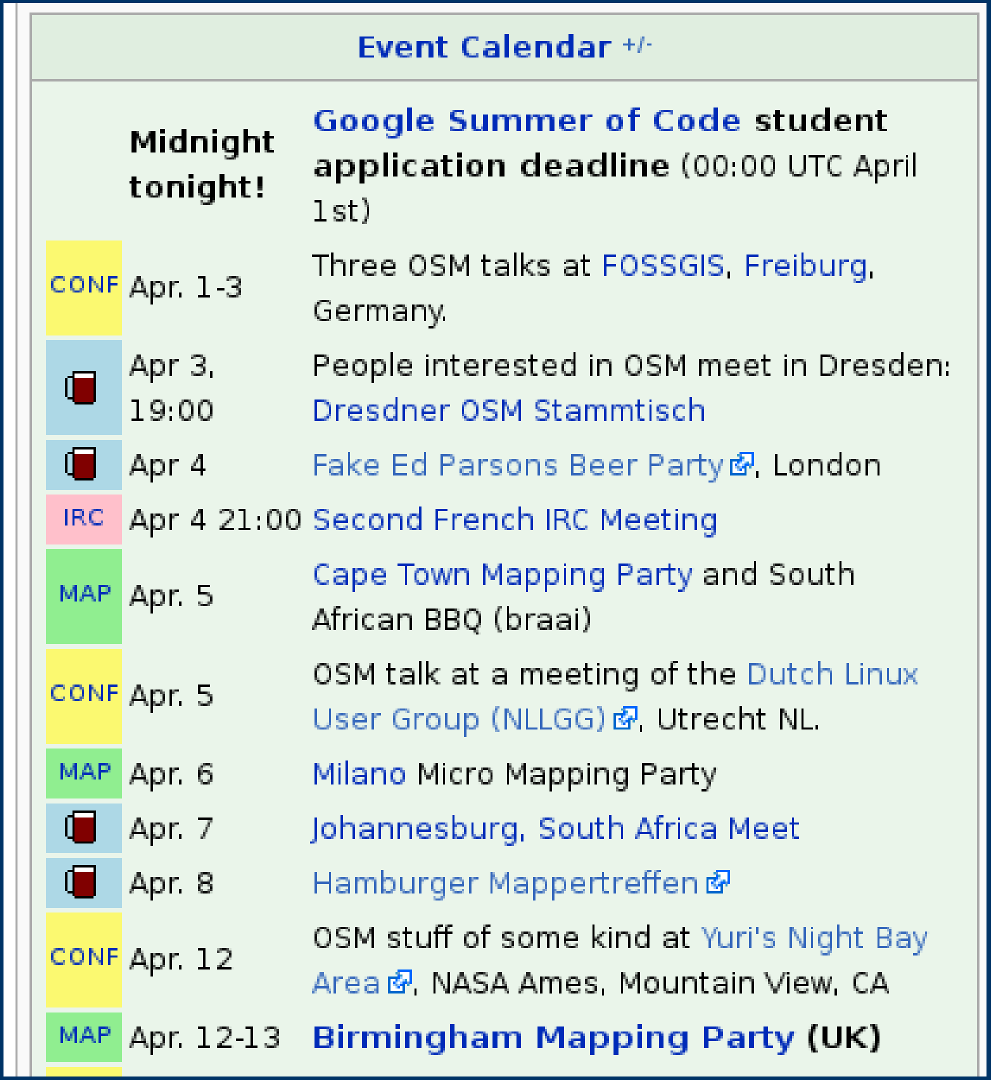


Neureut
B36
Knielingen
Nordweststadt
Nordstadt
Waldstadt
Hagsfeld
B10
A5
Karlsruhe
Rintheim
Mühlburg
Oststadt
Weststadt
B10
Durlach
Daxlanden
Grünwinkel
Südweststadt
Oberreut
Bulach
Dammerstock
Weiherfeld
Karlsruhe Mitte
Wolfartsweier
Rüppurr
A8
L605
A5

Nearby users:

yamduc	0km away (send message)
Helmut	0km away (send message)
SlowRider	1km away (send message)

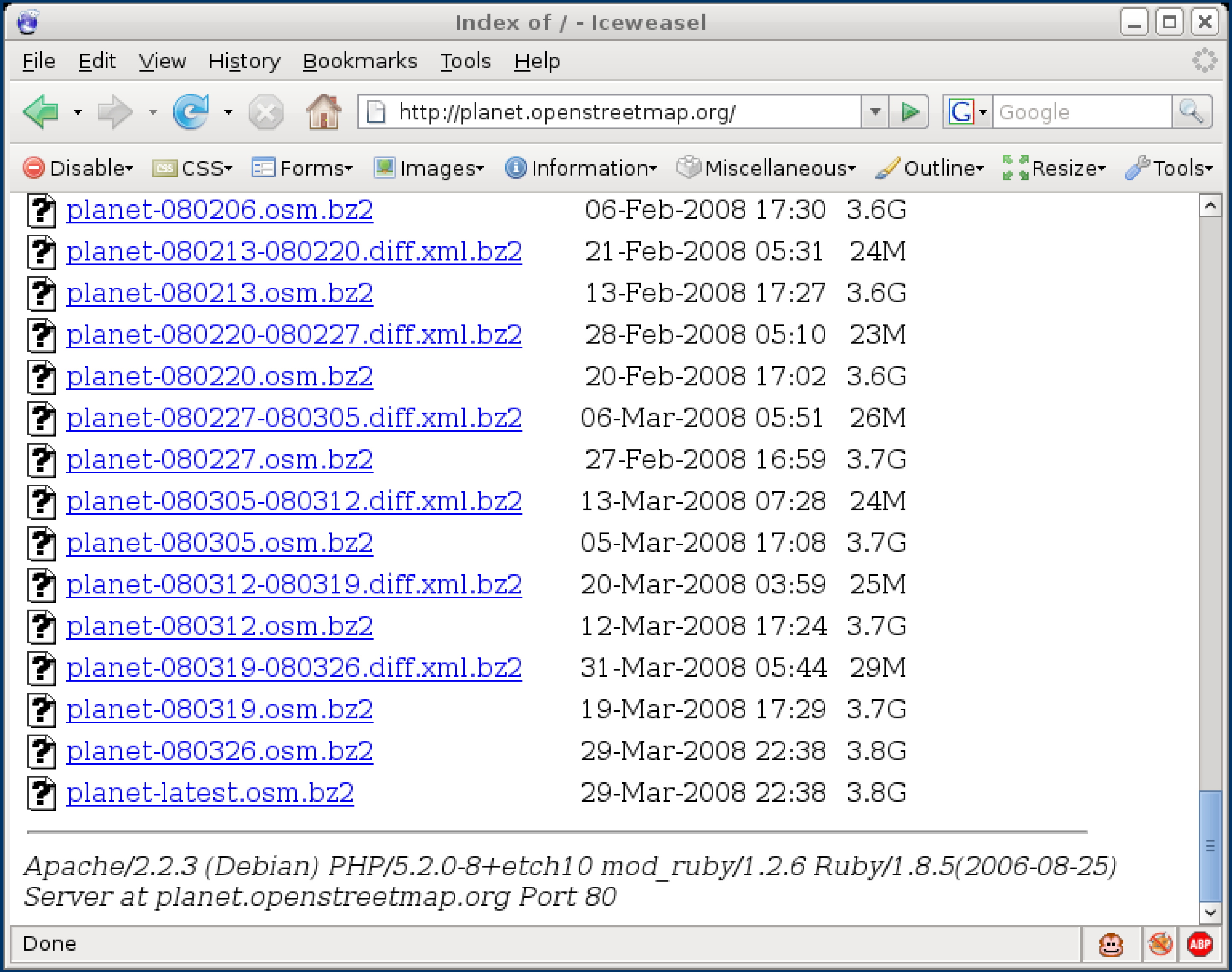
Pflege der Community



Event Calendar +/-

	Midnight tonight!	**Google Summer of Code student application deadline** (00:00 UTC April 1st)
CONF	Apr. 1-3	Three OSM talks at FOSSGIS, Freiburg, Germany.
🍺	Apr 3, 19:00	People interested in OSM meet in Dresden: Dresdner OSM Stammtisch
🍺	Apr 4	Fake Ed Parsons Beer Party, London
IRC	Apr 4 21:00	Second French IRC Meeting
MAP	Apr. 5	Cape Town Mapping Party and South African BBQ (braai)
CONF	Apr. 5	OSM talk at a meeting of the Dutch Linux User Group (NLLGG), Utrecht NL.
MAP	Apr. 6	Milano Micro Mapping Party
🍺	Apr. 7	Johannesburg, South Africa Meet
🍺	Apr. 8	Hamburger Mappertreffen
CONF	Apr. 12	OSM stuff of some kind at Yuri's Night Bay Area, NASA Ames, Mountain View, CA
MAP	Apr. 12-13	**Birmingham Mapping Party (UK)**

Wem gehört das Projekt?


Index of / - Iceweasel
File Edit View History Bookmarks Tools Help
http://planet.openstreetmap.org/
Google
Disable CSS Forms Images Information Miscellaneous Outline Resize Tools
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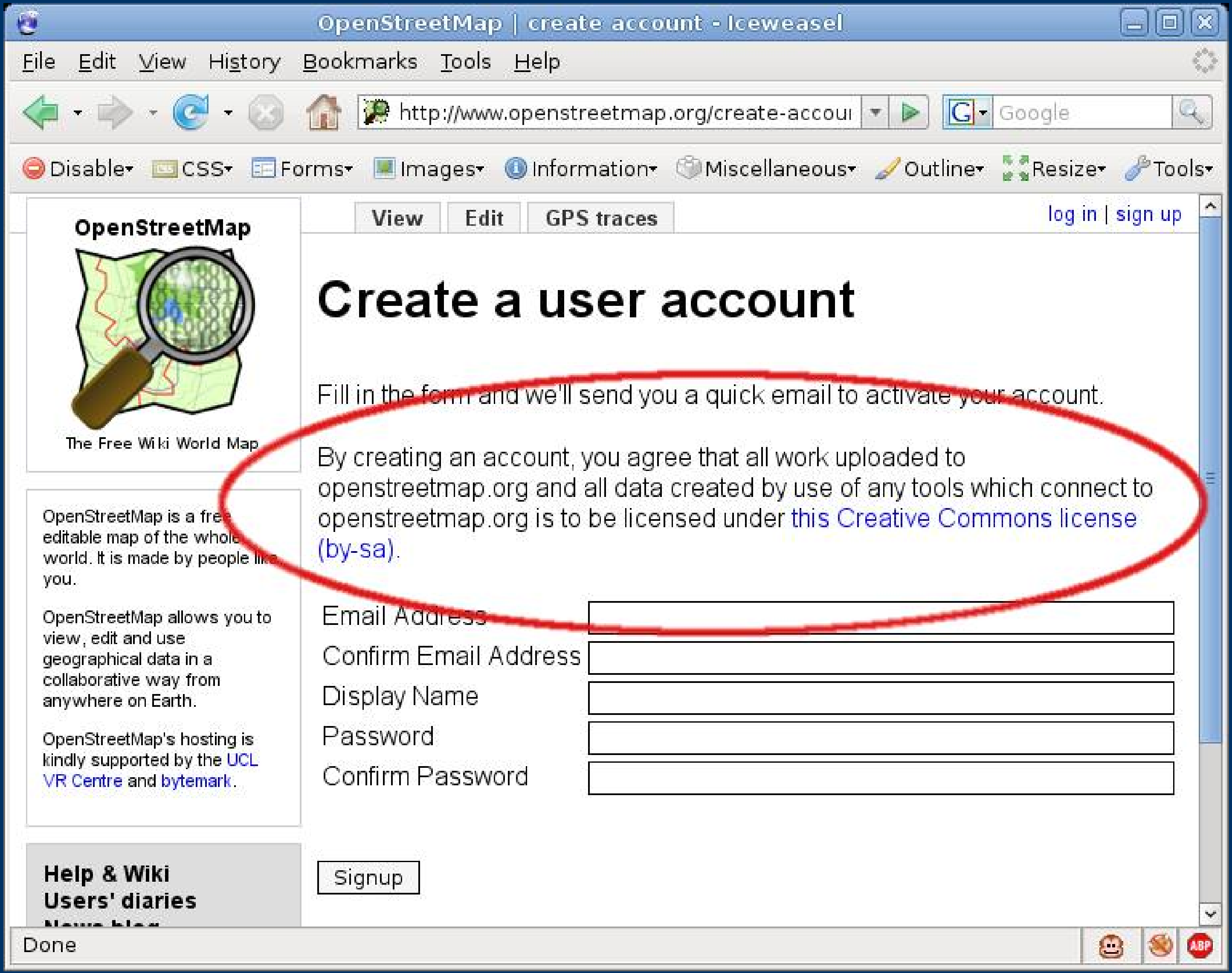
planet-080206.osm.bz2	06-Feb-2008 17:30	3.6G
planet-080213-080220.diff.xml.bz2	21-Feb-2008 05:31	24M
planet-080213.osm.bz2	13-Feb-2008 17:27	3.6G
planet-080220-080227.diff.xml.bz2	28-Feb-2008 05:10	23M
planet-080220.osm.bz2	20-Feb-2008 17:02	3.6G
planet-080227-080305.diff.xml.bz2	06-Mar-2008 05:51	26M
planet-080227.osm.bz2	27-Feb-2008 16:59	3.7G
planet-080305-080312.diff.xml.bz2	13-Mar-2008 07:28	24M
planet-080305.osm.bz2	05-Mar-2008 17:08	3.7G
planet-080312-080319.diff.xml.bz2	20-Mar-2008 03:59	25M
planet-080312.osm.bz2	12-Mar-2008 17:24	3.7G
planet-080319-080326.diff.xml.bz2	31-Mar-2008 05:44	29M
planet-080319.osm.bz2	19-Mar-2008 17:29	3.7G
planet-080326.osm.bz2	29-Mar-2008 22:38	3.8G
planet-latest.osm.bz2	29-Mar-2008 22:38	3.8G

Apache/2.2.3 (Debian) PHP/5.2.0-8+etch10 mod_ruby/1.2.6 Ruby/1.8.5(2006-08-25) Server at planet.openstreetmap.org Port 80

Wem gehört das Projekt?


OpenStreetMap | create account - Iceweasel
File
Edit
View
History
Bookmarks
Tools
Help
http://www.openstreetmap.org/create-accou
Google
Disable
CSS
Forms
Images
Information
Miscellaneous
Outline
Resize
Tools
View
Edit
GPS traces
log in | sign up
OpenStreetMap
The Free Wiki World Map
Help & Wiki
Users' diaries
Signup
Done

OpenStreetMap is a free editable map of the whole world. It is made by people like you.

OpenStreetMap allows you to view, edit and use geographical data in a collaborative way from anywhere on Earth.

OpenStreetMap's hosting is kindly supported by the UCL VR Centre and bytemark.

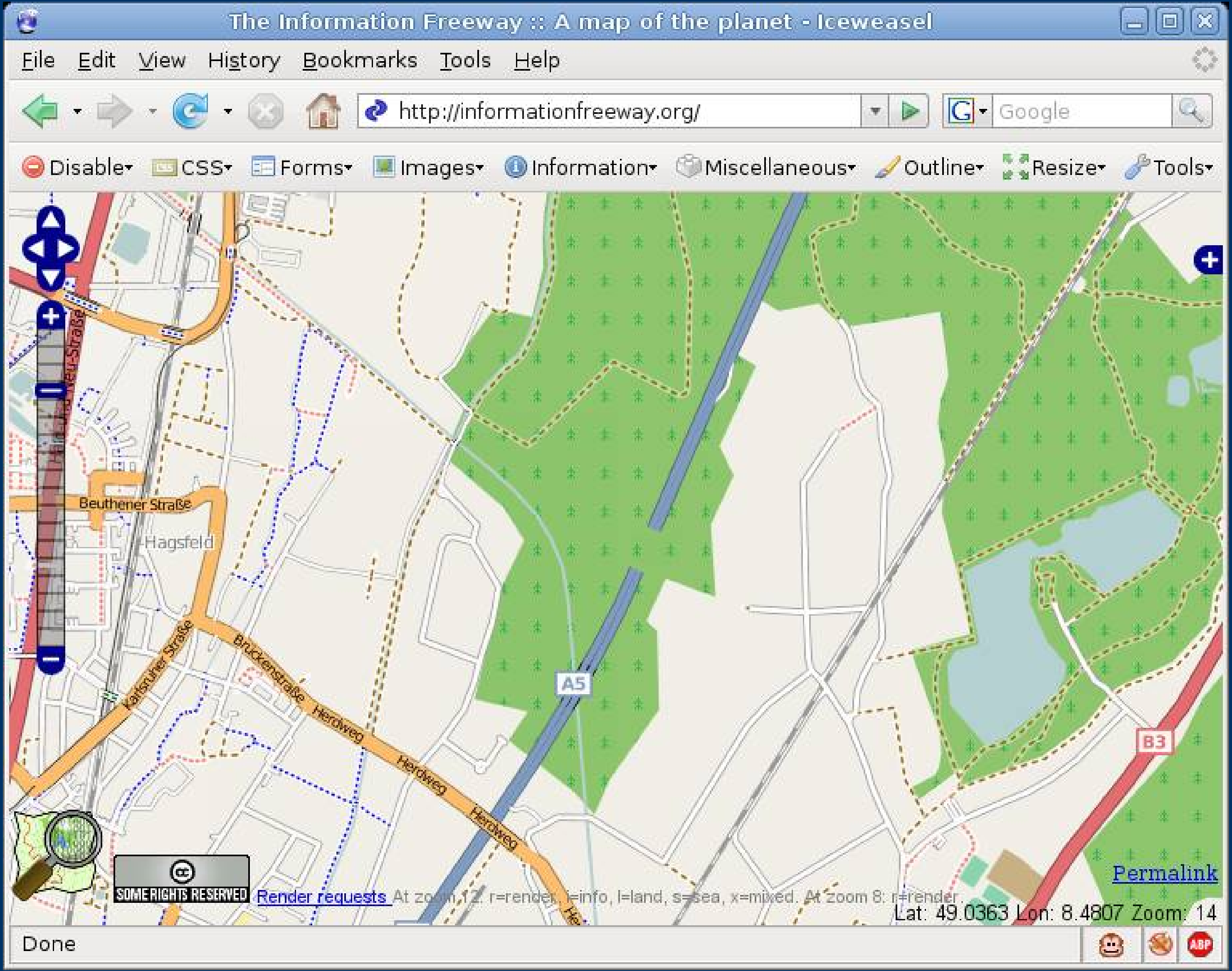
Create a user account

Fill in the form and we'll send you a quick email to activate your account.

By creating an account, you agree that all work uploaded to openstreetmap.org and all data created by use of any tools which connect to openstreetmap.org is to be licensed under this Creative Commons license (by-sa).

Email Address	
Confirm Email Address	
Display Name	
Password	
Confirm Password	

Qualität und Kontrolle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Bookmarks
Tools
Help
http://informationfreeway.org/
Google
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CSS
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Images
Information
Miscellaneous
Outline
Resize
Tools
Neu-Straße
Beuthener Straße
Hagsfeld
Karlsruher Straße
Brückenstraße
Herdweg
Herdweg
Herdweg
Herdweg
A5
B3
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Render requests At zoom 12: r=render, i=info, l=land, s=sea, x=mixed. At zoom 8: r=render

Lat: 49.0363 Lon: 8.4807 Zoom: 14

Done

… der langen Rede kurzer Sinn:

- kleine Einstiegshürde
- Nutzer = Teilhaber, Kontrolle abgeben
- Vertrauensvorschuss
- “instant reward”
- langer Atem

Das Buch zum Film

Frederik Ramm
Jochen Topf

OpenStreetMap

Die freie Weltkarte nutzen
und mitgestalten

Lehmanns Media

www.openstreetmap.org
www.geofabrik.de

Frederik Ramm
ramm@geofabrik.de