

Vandalismus im OSM Projekt

Stand heute. Und morgen?

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Pascal Neis

How did you contribute to OpenStreetMap ?

Name: [pitscheplatsch](#)

Mapper since: July 17th, 2008

Project days: 3169

Active mapping days: 208 (6.6%)

GPS-tracks: 3

Changesets: 751

Map changes: 45 200

Type? Casual Mapper (Regularly Active)



Related **OSM** accounts

1. [OSM Help](#): Reputation 71
2. [OSM Forum](#): Posts 69
3. [HOTOSM](#): Projects 0 Tiles 0
4. [OSM Wiki](#): Editcount 544
5. [Github](#): Contributions 1

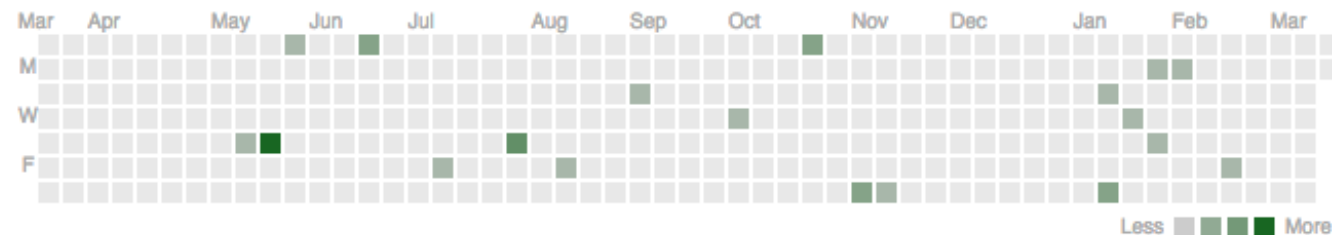
Recent activities in Canada 2 Germany 2 Australia 1 changesets

OSM Notes: Closed with comment 1418 (w/o 30), commented 65 and 1 opened

Changeset discussions: Participated in 460 and created [528](#) comments

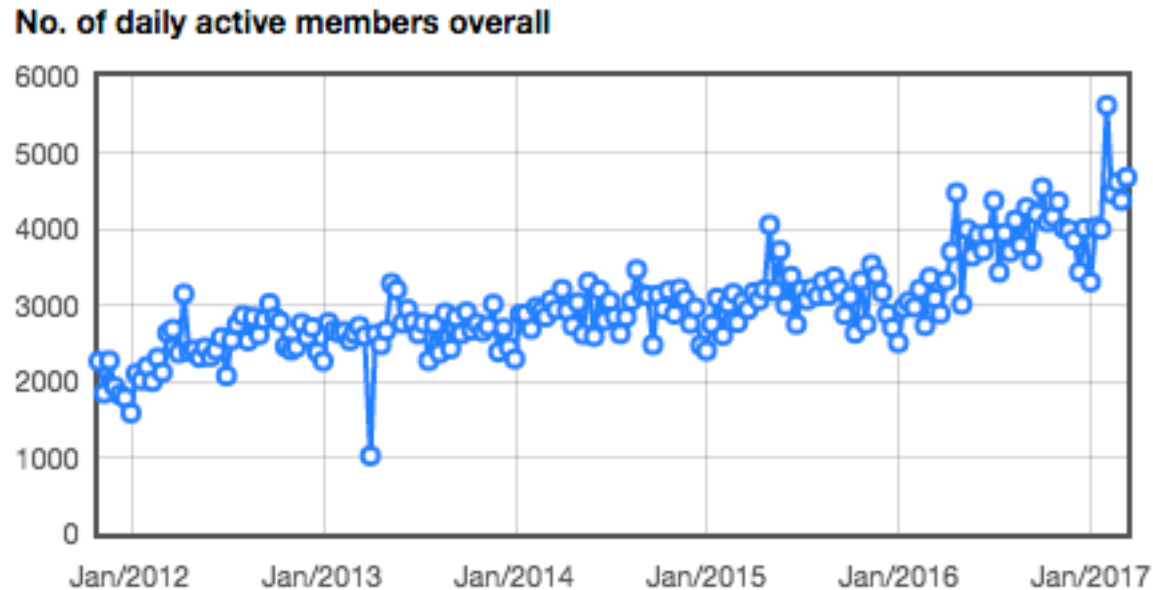
Discussed changesets: [4](#)

Activity calendar of all contributions for the past 12 months (overall 19 mapping days)



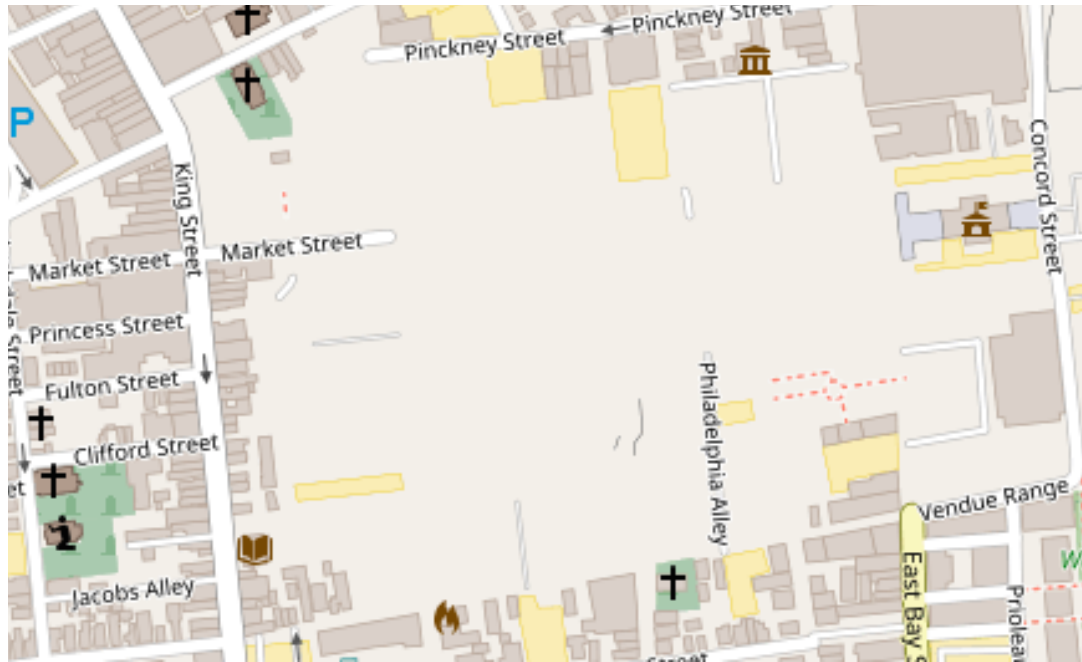
Stand heute.

Motivation



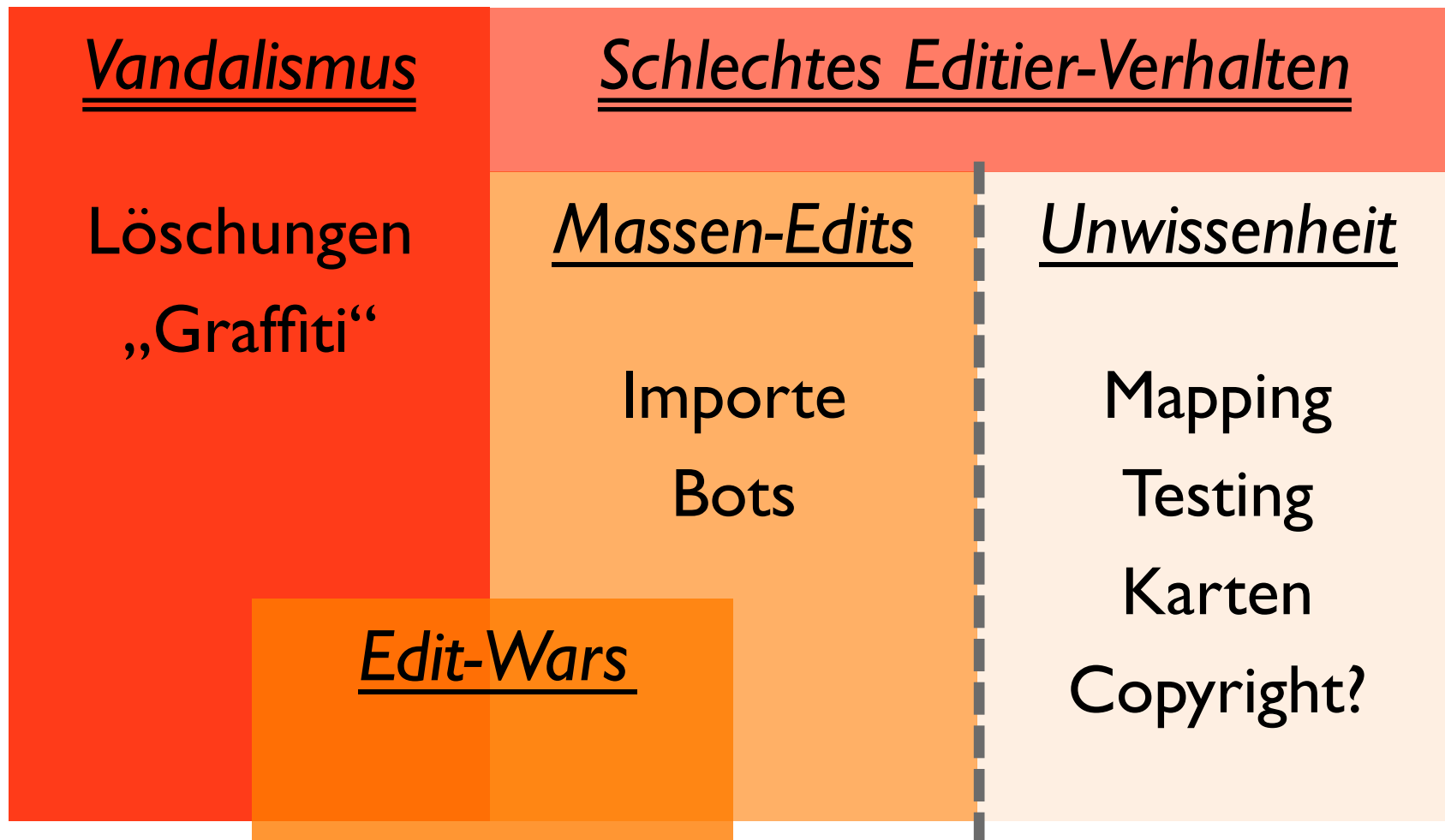
OSM-Daten-Qualität muss gesichert werden.

Vandalismus



Un- und beabsichtigte Änderungen.
Die Live-Datenbank.

Typen & Ausprägungen



Untersuchung

Zeitraum: 4 Wochen

15. Januar bis 12. Februar 2017

Löschungen von neuen Mappern.

Fiktive Datenerzeugung.

Changeset Kommentare.



Jeden Tag ca. 25-45 Minuten.

OSM-Suspicious





Find Suspicious OpenStreetMap Changesets

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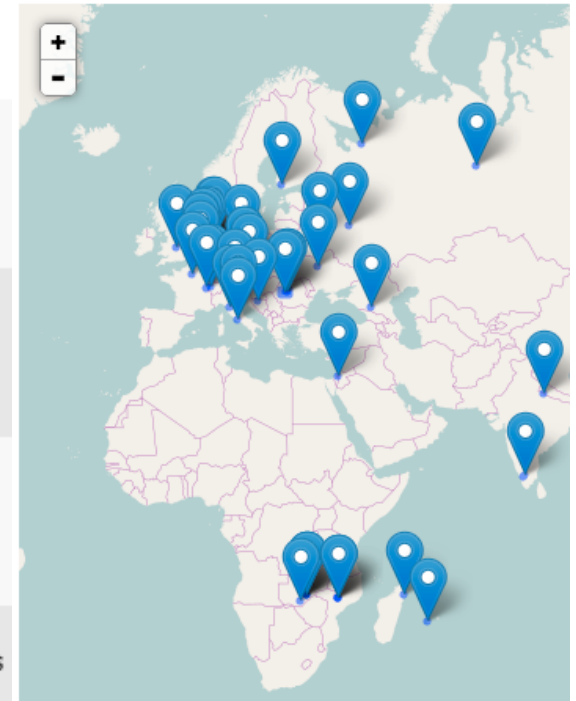
Country: | Time:

Contributor: | Group by: Contributor ☐ | Changeset-tags:

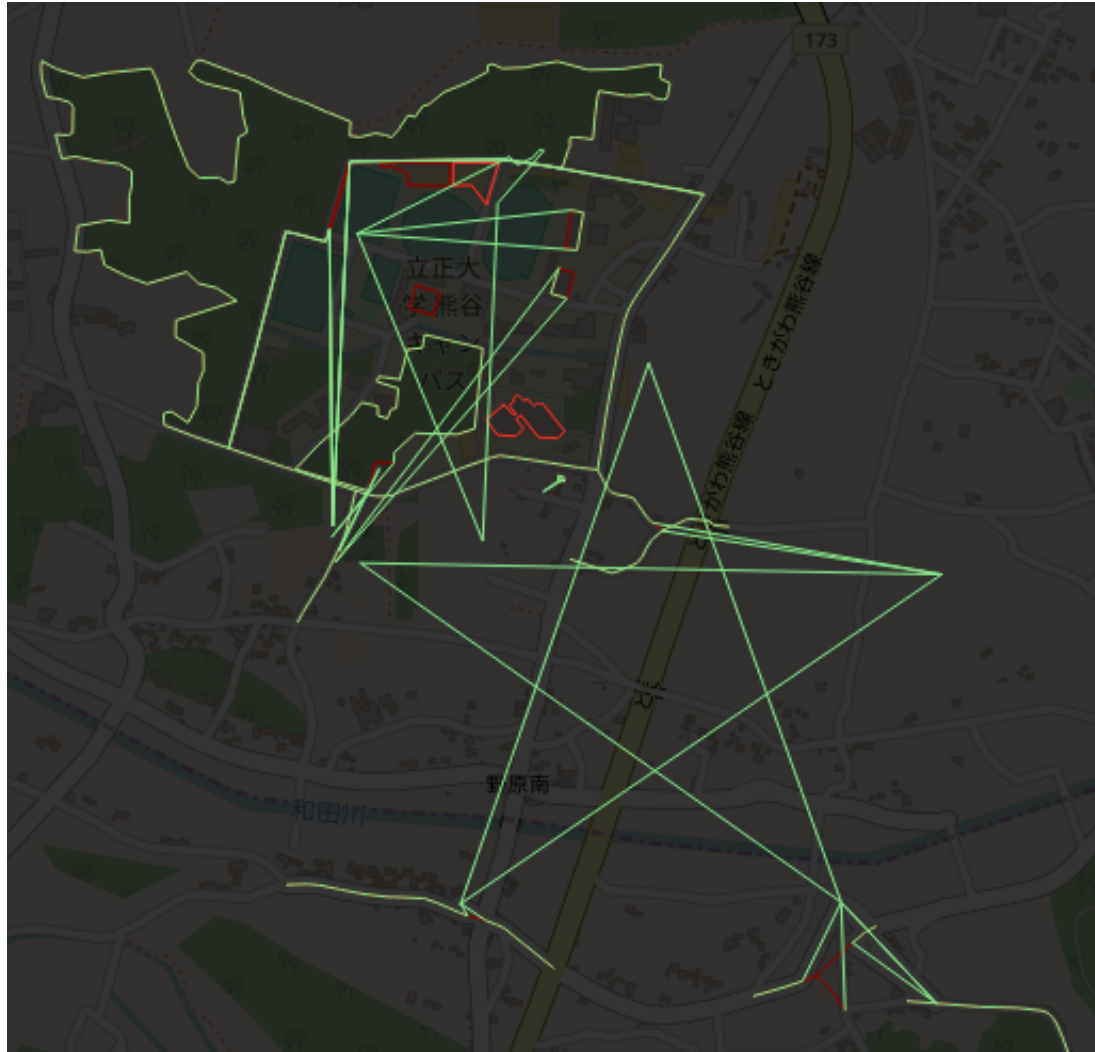
Object: ☐ Any Change | [Find](#) | [Feed](#)

Country	Contributor	Changeset Information
	Антон Ершов (2017-03-17 17:27 UTC) Mapping days: 6 Discussed changesets: 0 Latest changesets	Description: 'Поправил парковки, переходы' Nodes: 21 24 12 Ways: 8 7 0 Relations: 0 0 0 Changeset comments: 0
	Maite1 (2017-03-17 17:17 UTC) Mapping days: 0 Discussed changesets: 0 Latest changesets	Description: ', ' Nodes: 132 14 19 Ways: 16 3 5 Relations: 0 0 0 Changeset comments: 0
	PatrickFang (2017-03-17 17:10 UTC) Mapping days: 3 Discussed changesets: 0 Latest changesets	Description: 'Added access road for planned reservoir' Nodes: 17 0 44 Ways: 1 0 1 Relations: 0 0 0 Changeset comments: 0
	Eli17zn6 (2017-03-17 16:55 UTC) Mapping days: 4	Description: 'Added road and deleted non existing buildings' Nodes: 4 0 12 Ways: 1 1 2 Relations: 0 0 0

Displayed Changesets: 86 (limit 200)



Augmented OSM Change Viewer
















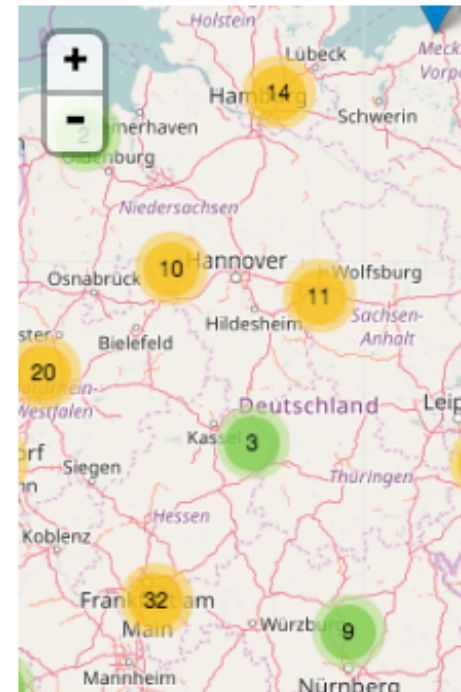
Weitere Informationen: <http://wiki.openstreetmap.org/wiki/Achavi>

Neue Mapper

Latest OSM Contributors (7 days): 210 - Germany - [RSS-Feed](#)

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Country	Contributor	Near by
	TheTobi (Registered: 2017-03-17 17:16:34 UTC)	Tuttlingen (0.94 km) (First Edit: 2017-03-17 17:23:13 UTC)
	tummel (Registered: 2017-03-17 15:01:51 UTC)	Emsdetten (0.05 km) (First Edit: 2017-03-17 16:22:26 UTC)
	Pelvis99 (Registered: 2017-03-17 15:48:34 UTC)	Burgholzhausen vor der Höhe (0.19 km) (First Edit: 2017-03-17 15:53:27 UTC)
	Knolle Elektrotechnik (Registered: 2017-03-17 15:47:08 UTC)	Rinteln (0.90 km) (First Edit: 2017-03-17 15:50:01 UTC)
	Thomas Vogt (Registered: 2017-03-17 15:17:21 UTC)	Ummingen (1.71 km) (First Edit: 2017-03-17 15:19:45 UTC)
	raimerik (Registered: 2017-03-17 13:44:31 UTC)	Schöneberg (1.01 km) (First Edit: 2017-03-17 14:53:43 UTC)
	MicWitt (Registered: 2017-03-17 14:44:18 UTC)	Ohlsdorf (0.78 km) (First Edit: 2017-03-17 14:51:24 UTC)
	MarkusB20788 (Registered: 2017-03-17 14:37:29 UTC)	Neu Olvenstedt (0.94 km) (First Edit: 2017-03-17 14:39:11 UTC)
	ChrisDaHub (Registered: 2017-03-17 14:17:06 UTC)	Obernauer Kolonie (0.58 km) (First Edit: 2017-03-17 14:33:03 UTC)
	krevilo (Registered: 2017-03-17 14:20:26 UTC)	Darmstadt-Nord (0.23 km) (First Edit: 2017-03-17 14:32:36 UTC)
	RelaxIamOnlyAghost (Registered: 2016-04-19 19:17:39 UTC)	Meuschlitz (0.92 km) (First Edit: 2017-03-17 14:02:05 UTC)
	Burkhard Wiegel (Registered: 2017-03-17 13:47:14 UTC)	Watenbüttel (0.15 km) (First Edit: 2017-03-17 13:58:16 UTC)
	helpsterTee (Registered: 2017-03-17 12:54:08 UTC)	Querenburg (0.41 km) (First Edit: 2017-03-17 13:17:25 UTC)



Und dann?

Ruhig bleiben und freundlich nachfragen.

PMs vermeiden, Changeset Discussions nutzen.

Lokale Mapper involvieren.

Gegebenenfalls bei der DWG anfragen.

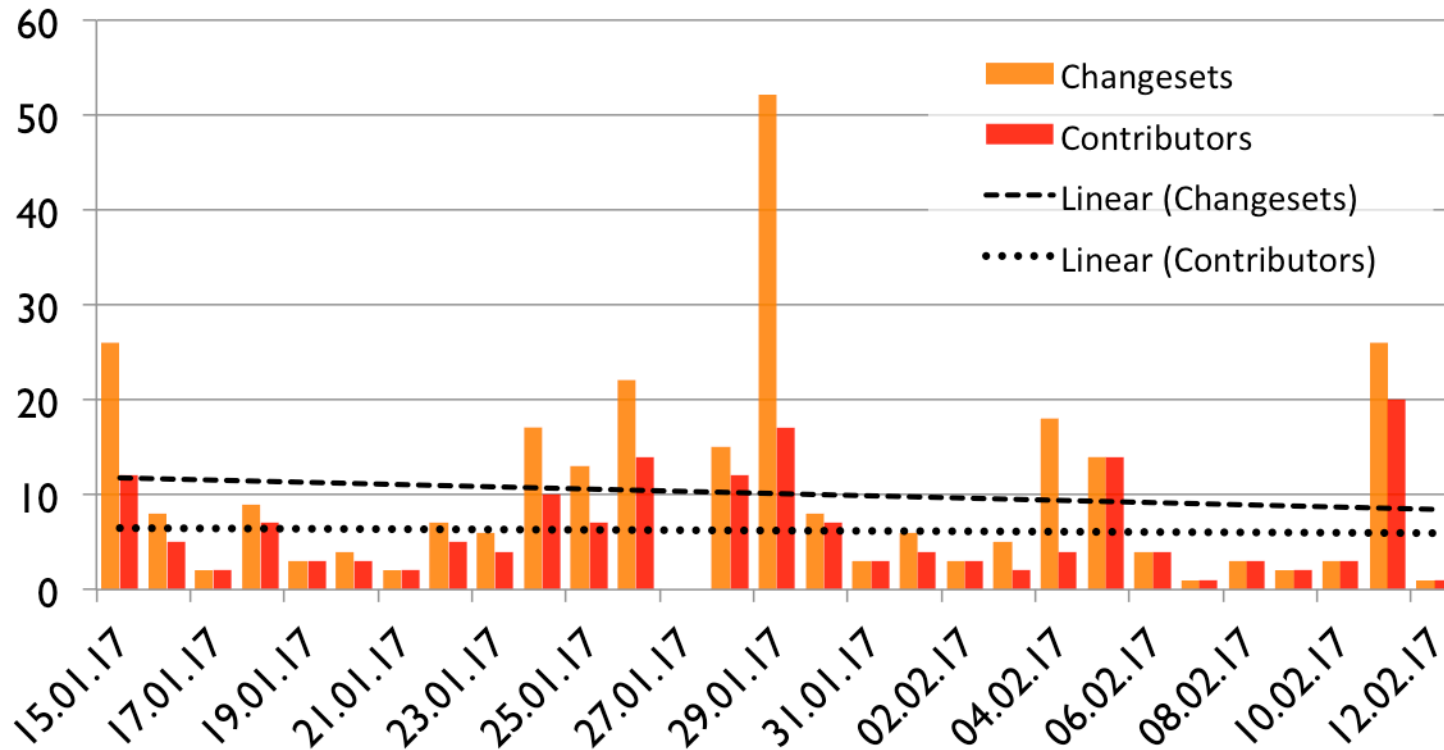
Letzter Schritt: Revert



OpenStreetMap
help

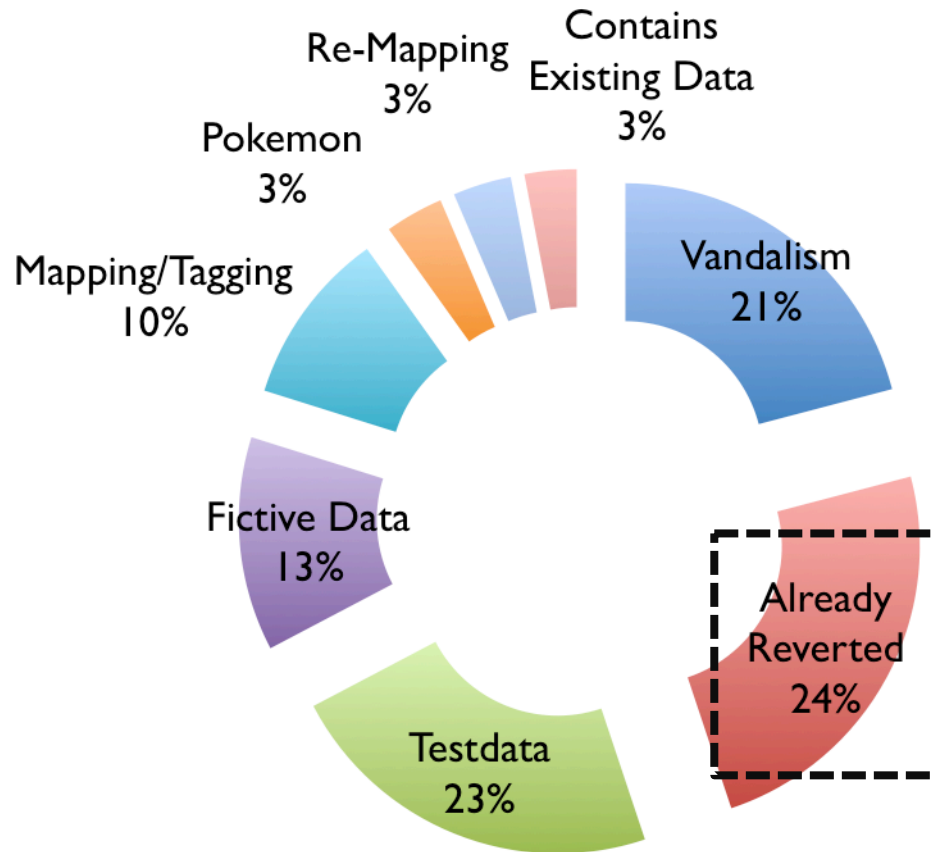
Quelle: <https://help.openstreetmap.org/questions/216/what-should-i-do-about-vandalism>

Results



301 Kommentare. 283 Changesets. 174 Mapper.

Kommentierte ~280 Changesets

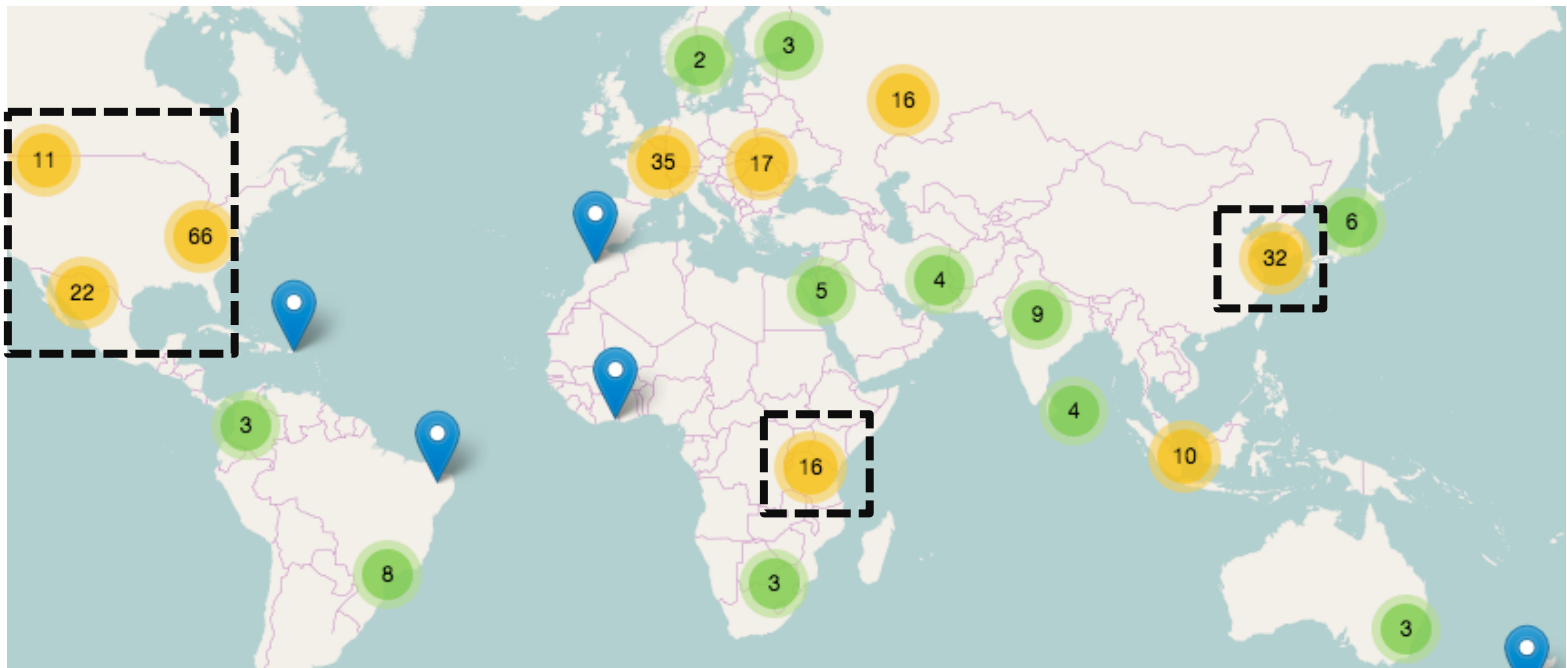


Antworten

Auf ~300 Kommentare ~70 Antworten.

20 von der/dem Changeset-Ersteller. Freundlich.

Response-Time: ~1 Tag

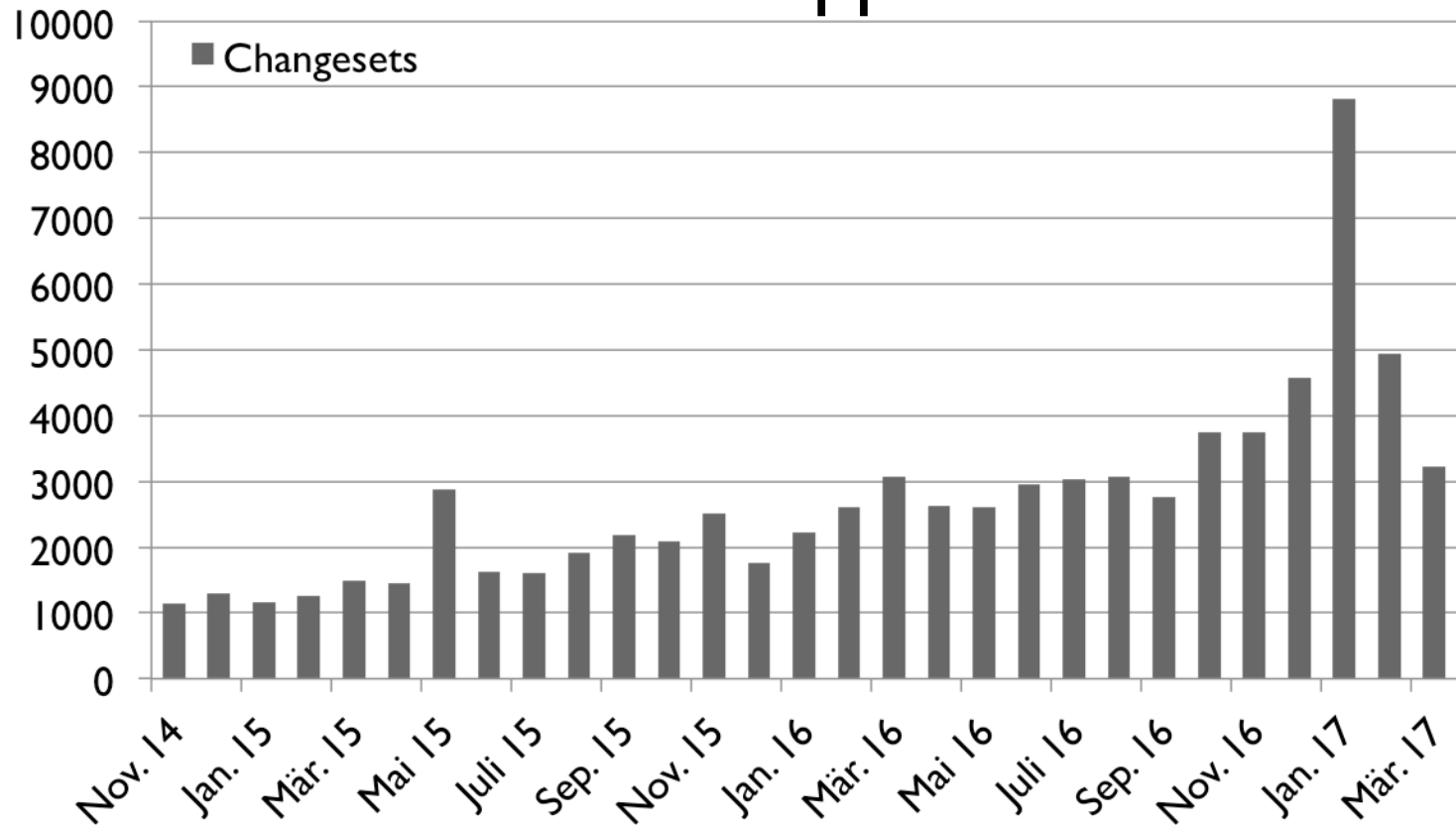


Changeset Discussions

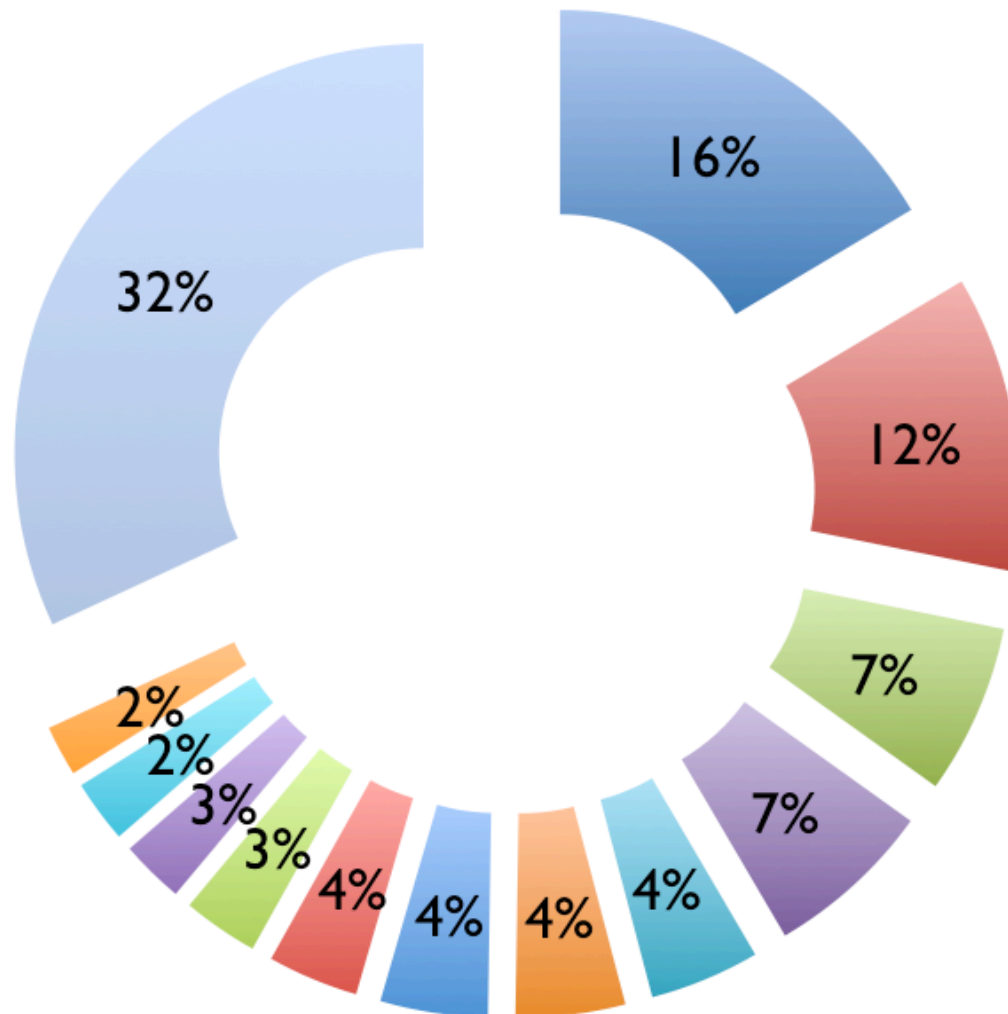
Seit 1. Oktober 2014

~76k Changesets. ~123k Kommentare.

~11k Mapper



Countries

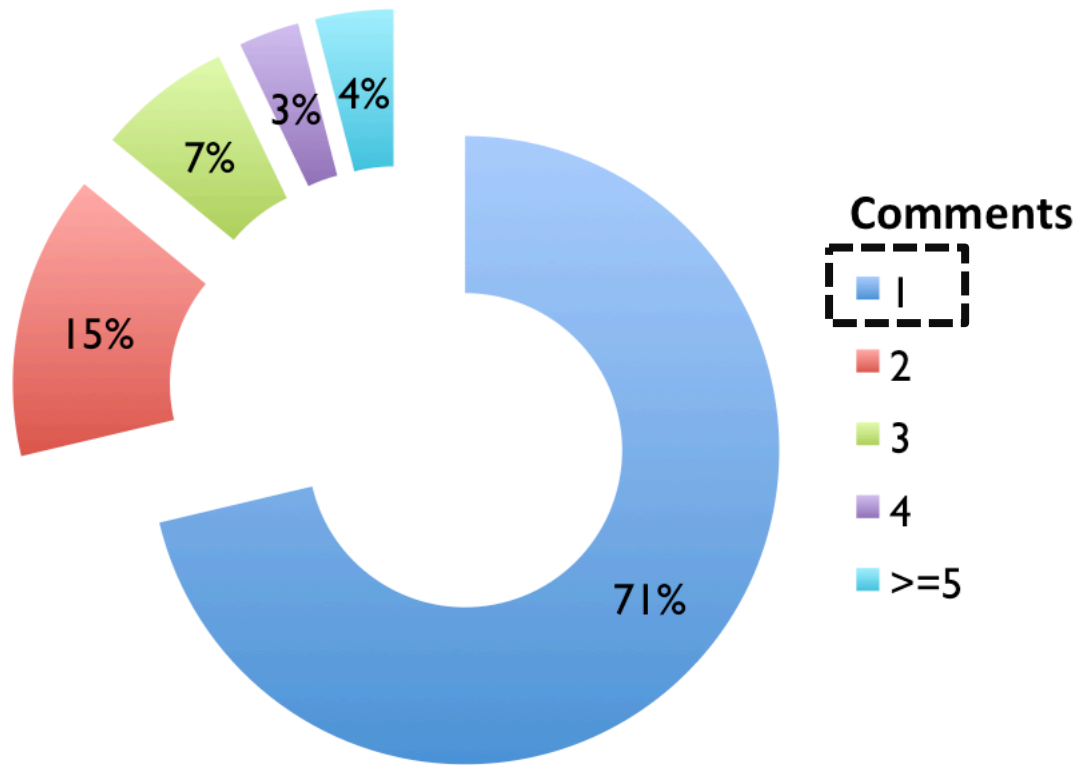


Changesets

- Germany
- United States
- Russia
- United Kingdom
- Kazakhstan
- Poland
- Netherlands
- Italy
- Brazil
- Denmark
- Taiwan
- France
- Rest

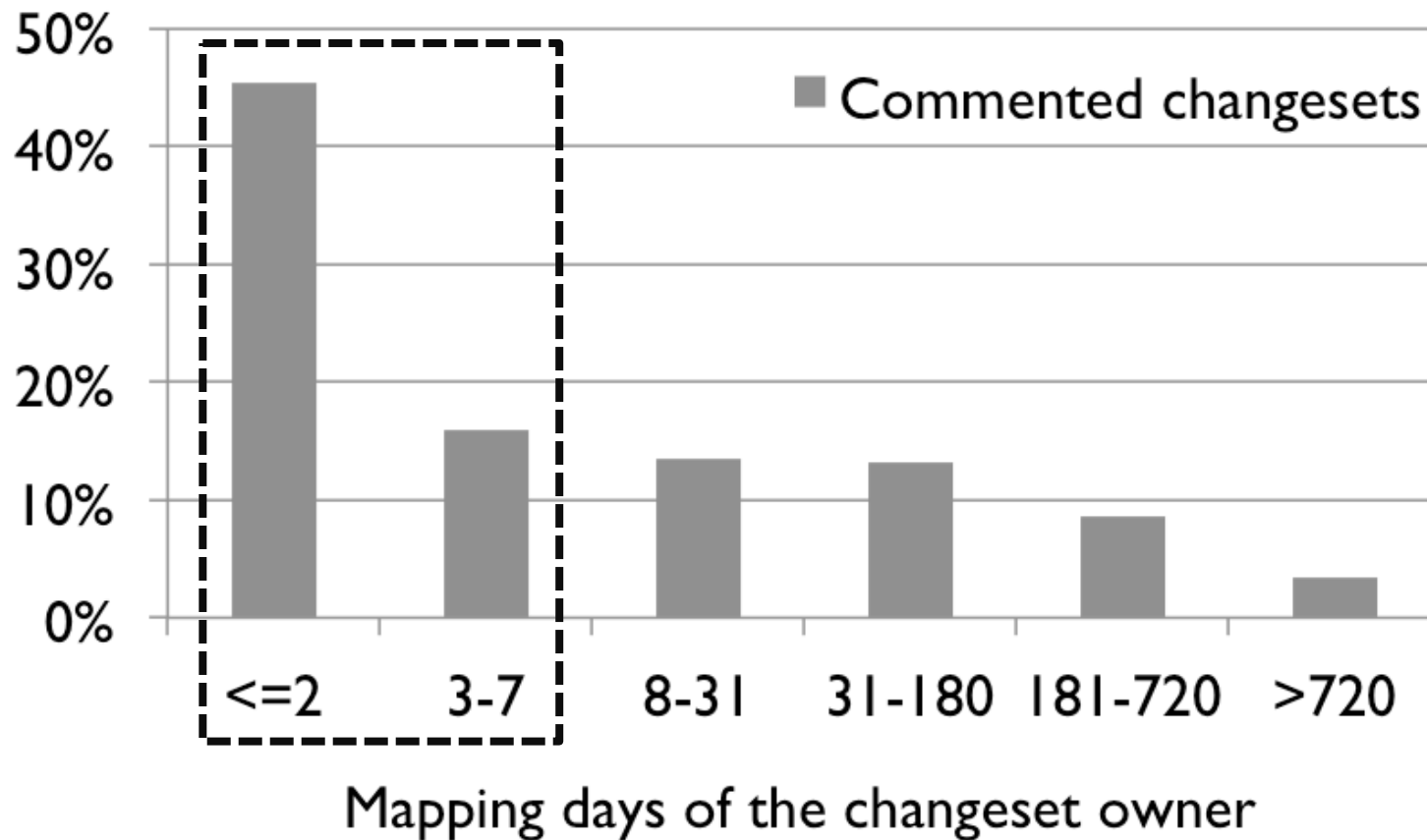
Comment pro Changeset

~76k Changesets.

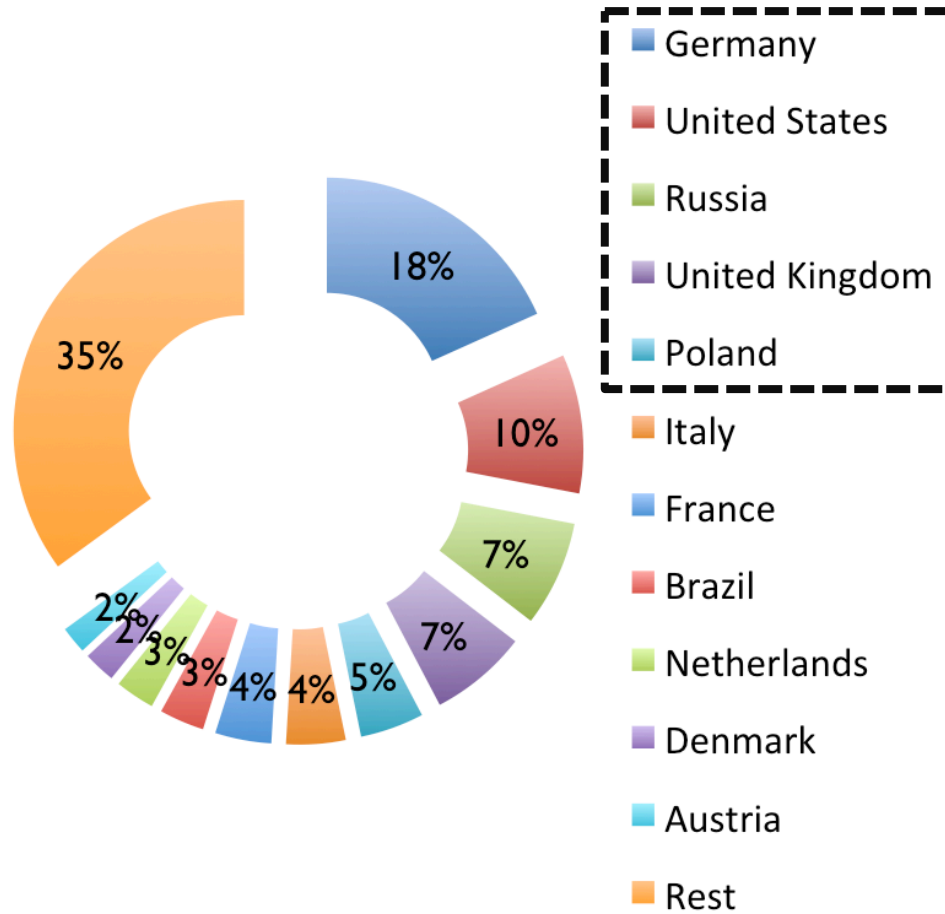
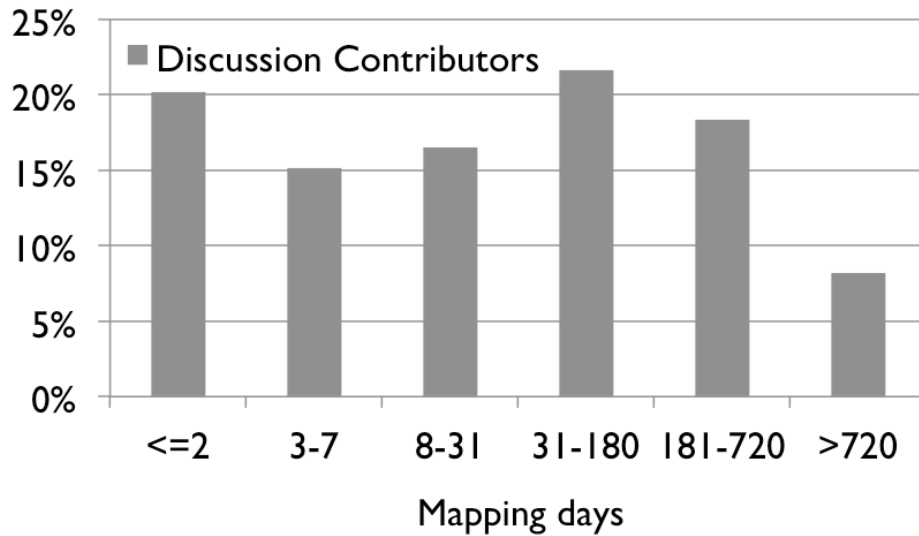


~25% „Revert“. ~20% „Welcome“. ~10% „Thanks“

Wessen Changesets?



Wer kommentiert? „Herkunft“?



Und morgen?

Anforderungen

Einfache Bedienung. Übersichtlich.

Doppelte Arbeiten von Reviewern vermeiden.

Push statt Pull Notifications.

Keine Vordefinierten Filter. Eigene & Generisch.

Integration in OSM.org wäre gut.

Augumented Diffs


Find Suspicious OpenStreetMap Changesets

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Country: | **Time:**

Contributor: | **Group by:** ☐ Contributor | **Changeset-tags:**

Object: ☐ Any Change > | [Find](#) | [Feed](#)

Country	Contributor	Changeset Information
	Mahdi Nameghi (2017-03-18 09:18 UTC) Mapping days: 9 Discussed changesets: 5 Latest changesets	Nodes: 0 0 0 Ways: 0 0 6962 Relations: 0 0 0 <u>Description:</u> 'revert mistak changes' <u>Discussions:</u> 0 <u>Details:</u> Highway: 6466 Name: 3132 Amenity: 2 Boundary: 3 Landuse: 5 Railway: 38 Waterway: 11

OSM Profile



OpenStreetMap

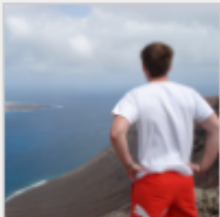
Edit



History

Export

GPS Traces



pitscheplatsch

My Edits 751

My Notes

My Traces 3

My Diary 0

My Comments

My Settings

Mapper since: July 17, 2008 | Contributor terms: Accepted over 5 years ago

Yes, it's me :) - Pascal Neis

My blog: <http://neis-one.org> - Twitter: http://twitter.com/pascal_n - Some useful OSM tools: <http://resultmaps.neis-one.org>

OSMContributionReviewer

- {delete}{highway=motorway}{Germany}
- {delete}{building=yes}{Germany}{10}

Related OSM Accounts

- OSM Wiki: <http://wiki.openstreetmap.org/wiki/User:Pitscheplatsch>
- OSM Help: <https://help.openstreetmap.org/users/2208/pascal>
- OSM Forum: <http://forum.openstreetmap.org/profile.php?id=9493>
- Github: <https://github.com/pa5cal>
- HOTOSM: <http://tasks.hotosm.org/user/pitscheplatsch>

Regelwerk - Die "5" W's

Was ist passiert? → *Create/Modify/Delete*

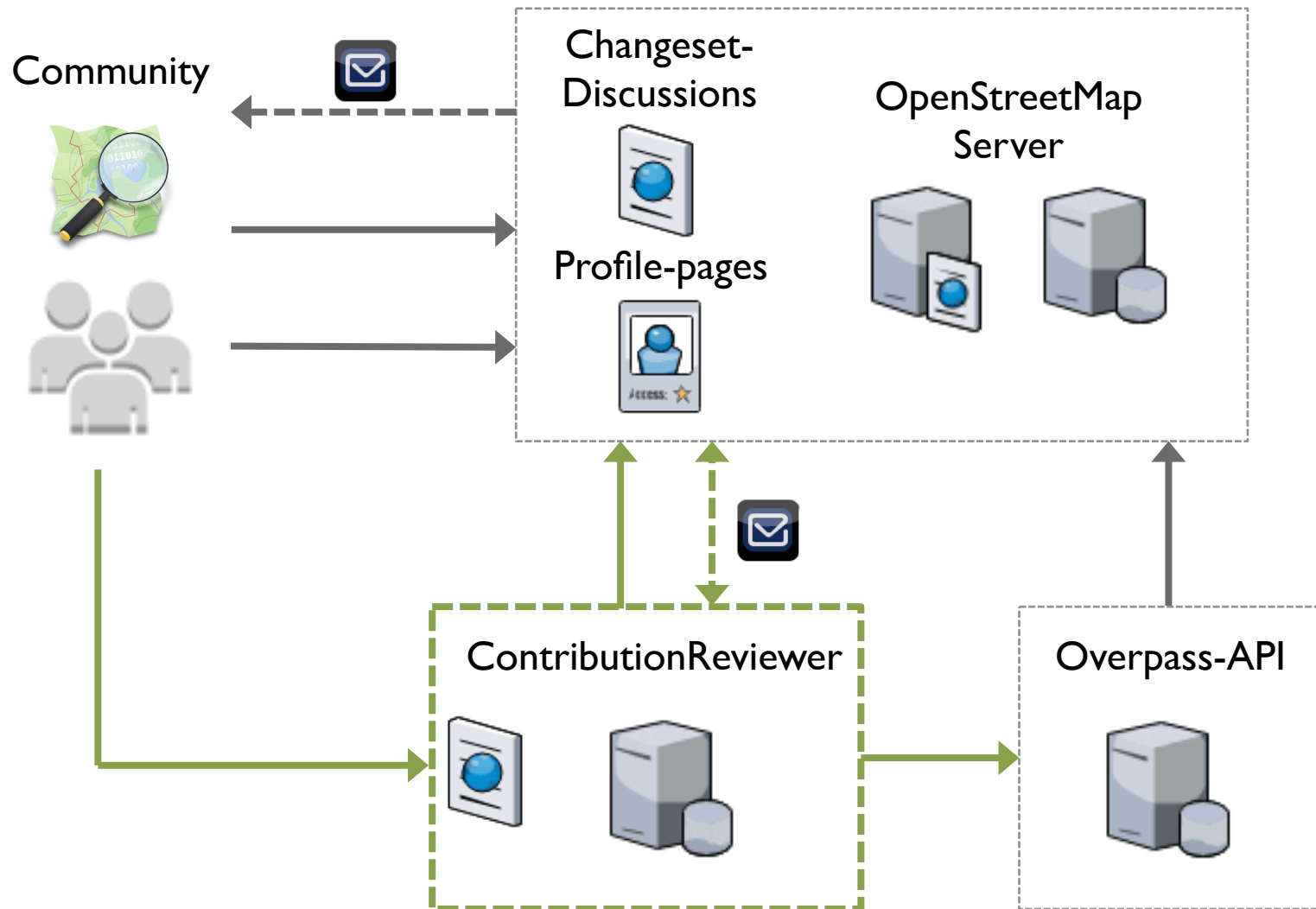
Welche Verletzung/Erkrankung? → *Tag/Key*

Wo ist es passiert? → *Country/BBox*

Wieviele? → *Anzahl*

Wer? → *Contributor*

Konzept



Zusammenfassung

Es gibt „Vandalismus“. Jeden Tag.

Wir brauchen ein einfaches Tool.
Ohne doppelte Arbeit für Reviewer.

@ OSM.org

Vielen Dank!

Fragen?

@pascal_n

pascal@neis-one.org

<http://neis-one.org>