The new Wheelmap: Joining forces in accessibility mapping – feat. I Wheel Share

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Hi, we are “Sozialhelden”

... a non-profit organization from Berlin, Germany.

www.sozialhelden.de
Hi, we are “I Wheel Share”

... a startup from Paris, France

www.iwheelshare.com
This makes partaking in daily life difficult

Accessibility information is hard to find and not available in mainstream directories & apps

Which public places are accessible for people with disabilities?
The Solution: We built Wheelmap...

More than 900,000 places have been marked as (not/ partly) wheelchair accessible since 2010

Open Source and Open Data

in 25 languages

Available for Web, iPhone and Android

Twitter: @wheelmap
... starring: the “wheelchair” tags of OSM
Criteria

Easy to understand.

wheelchair=no = big step / several steps

wheelchair=limited = small step / indoor step

wheelchair=yes = no steps
Community / spec. in A11y or OSM

Mapping walks.

Investigating neighbourhoods.

Empowering to act upon a11y needs.
Activists worldwide had similar solutions

Jaccede (France): 100,000 places

AXSmap (USA): 100,000 places

I Wheel Share (France): 2,000 places
So we built a data exchange service...

accessibility.cloud, our backend service, currently connects 90 data sources and provides an API.

Goal: share the data, increase the impact for everyone!

Includes > 150 different accessibility criteria, not only wheelchair accessibility!

Let’s collect more accessible places together.

We are a NGO that believes in an inclusive world. Our mission is to make accessibility information easier to find—wherever people need it. That's why we want to encourage everybody to share this kind of data with each other. accessibility.cloud simplifies sharing and obtaining accessibility data in a standardized, future-proof, easy-to-use way.
Wheelmap (beta): More sources

Thanks to accessibility.cloud: More than 1.6 mio places with accessibility data available.
Wheelmap (beta): More complex edits on OSM
Wheelmap (beta): Live data on elevators + escalators
Example: I Wheel Share

Crowdsourced data from I WHEEL SHARE community via our free mobile app (Android/iOS)
I Wheel Share: Wilson the chatbot
iWheelShare: Mixing sources
iWheelShare: Data sources
iWheelShare data integration: cinema
Possible because of...
... the harmonized data format of AC

```javascript
export const toiletFormat = {
  heightOfBase: '40 .. 45cm',
  spaceOnLeftSide: '>70',
  spaceOnRightSide: '>70',
  spaceInFront: '>70',
  foldableHandles: {
    onLeftSide: true,
    onRightSide: true,
    height: '>85cm',
    extensionOverToilet: '>28cm',
    distance: '60 .. 65cm',
  },
};
```

https://github.com/sozialhelden/ac-format
...and a lot more attributes!

```javascript
export const mediaFormat = {
  type: 'documents', // documents|menu|audioGuide|presentations|exhibits|movie|screen,
  name: 'Speisekarte',
  isBraille: true,
  isAudio: true,
  isLargePrint: true,
  hasContrastingBackground: true,
  isEasyToUnderstand: true,
  hasDedicatedScreenForSubtitles: true,
  hasSubtitles: true,
  hasRealtimeCaptioning: true,
  hasPlainLanguageOption: true,
  languages: ['en', 'de'],
  turningSpaceInFront: '>140cm',
  isClearlyVisibleWhileSeated: true,
  isInformationReadableWhileSeated: true,
};
```

https://github.com/sozialhelden/ac-format
How can we use Wheelmap and the AC exchange format for collecting data on accessibility and ensuring its quality together?
Talk to us! And...

- Promote the use of the main wheelchair tags
- Bring OSM expertise into our common mapping events → ensure the quality of data
- Find a process to add the extra accessibility + live escalator/ elevator data of the sources into OSM
And last but not least:

Become a tester of Wheelmap beta!
wheelmap.org/beta
Thanks! Stay tuned and get in touch!

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www.wheelmap.org
www.wheelmap.org/beta
www.accessibility.cloud

www.iwheelshare.com
search for “I Wheel Share” in Facebook Messenger