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

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# Hi, we are "Sozialhelden"





# Hi, we are "I Wheel Share"



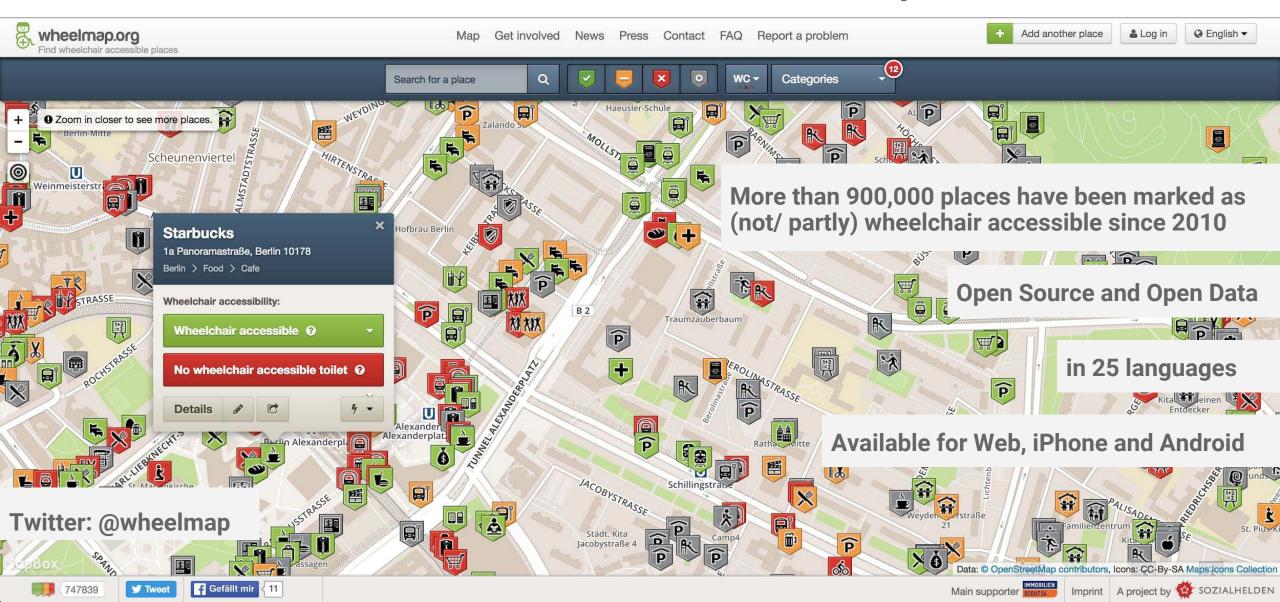
www.iwheelshare.com



#### The Problem



## The Solution: We built Wheelmap...



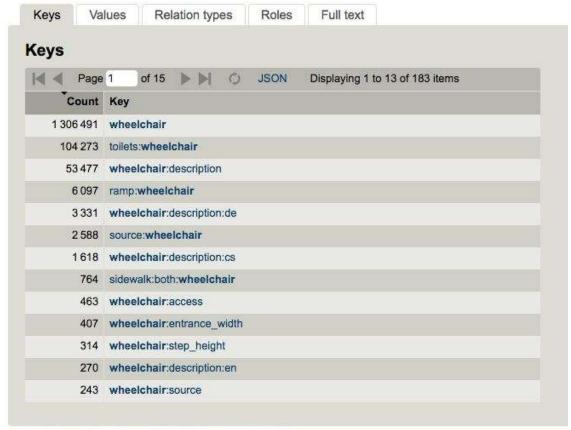
## ... starring: the "wheelchair" tags of OSM



KEYS TAGS RELATIONS PROJECTS REPORTS ABOUT

#### SEARCH RESULTS

You were searching for: wheelchair



wheelchair=yes/no/limited

toilets:wheelchair=yes/no

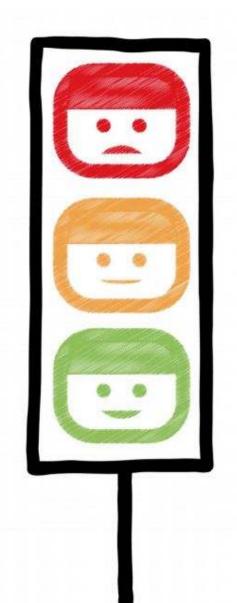
wheelchair:description=\*text\*



→ OpenStreetMap · Data © OSM contributors (ODbL)

#### 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

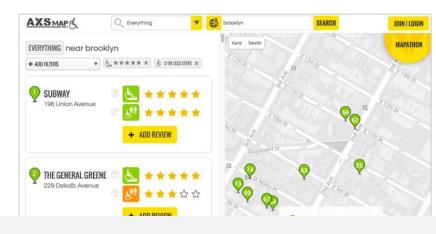




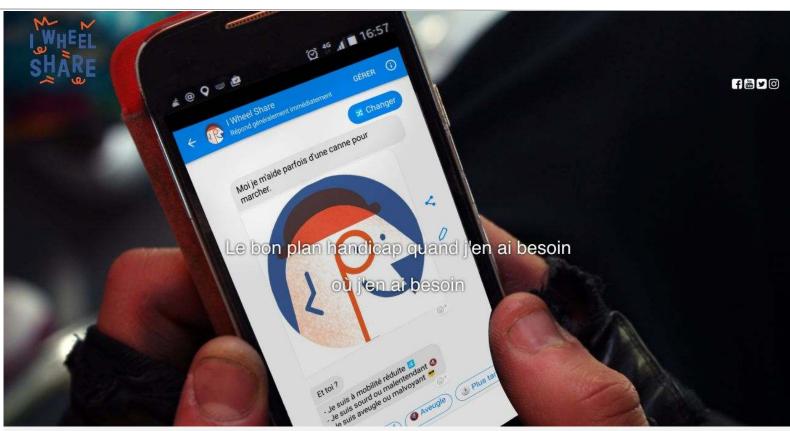
#### Activists worldwide had similar solutions



Jaccede (France): 100,000 places

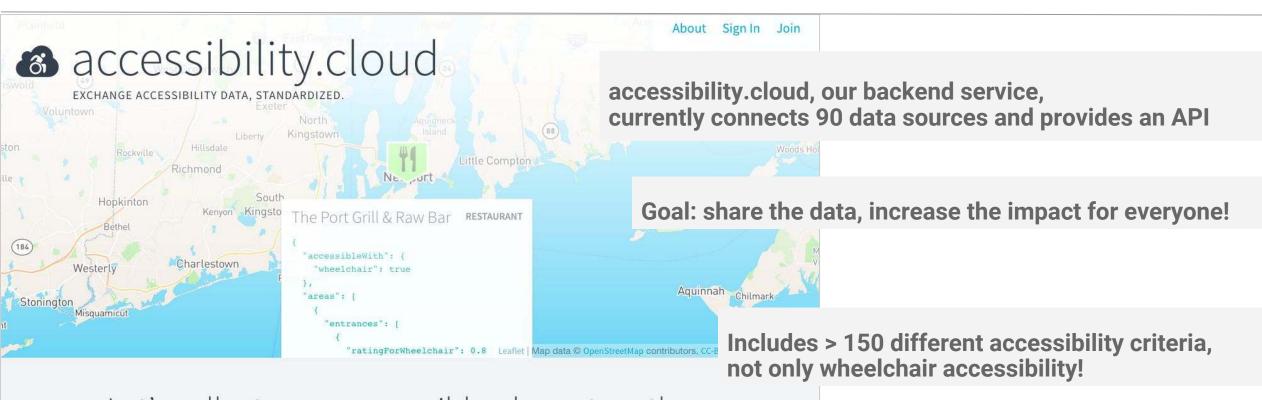


AXSmap (USA): 100,000 places



I Wheel Share (France): 2,000 places

# So we built a data exchange service...

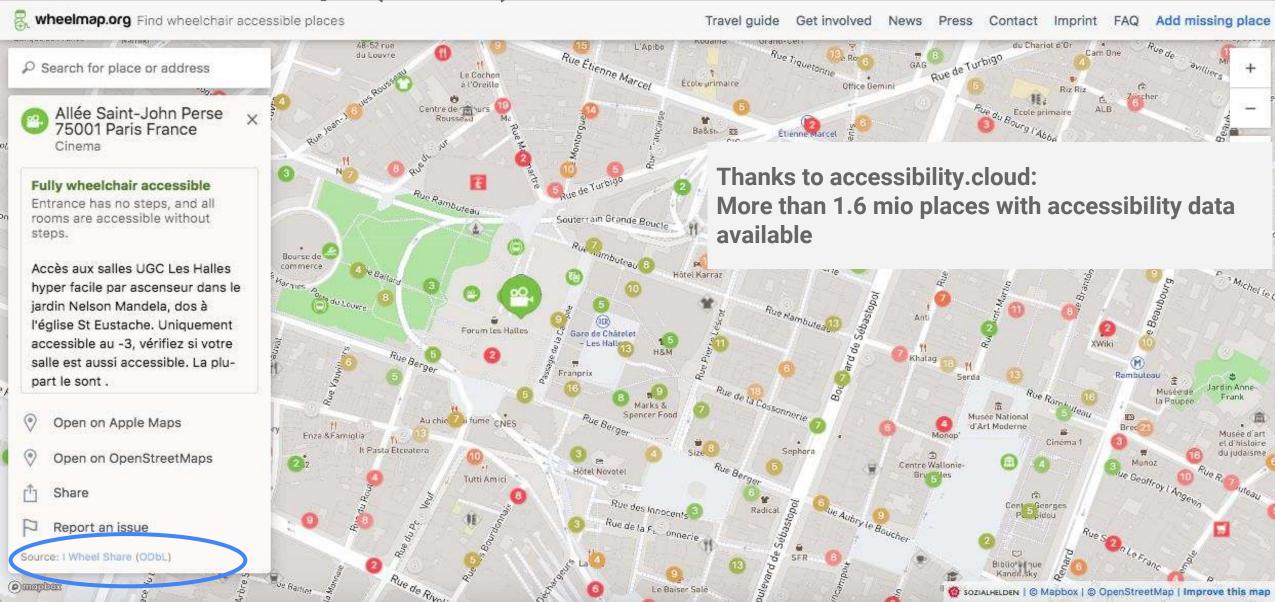


Let's collect more accessible places together.

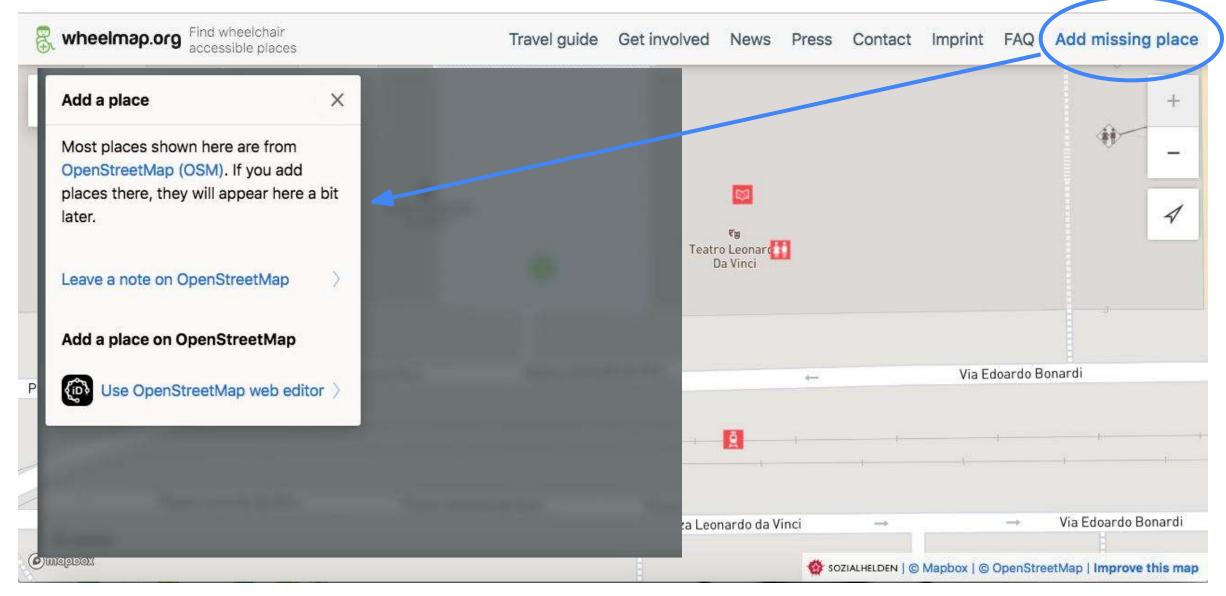
We are a NGO that believes in an inclusive world. Our mission is to make accessibility information easier to find—wherever people need it. That's why we want to encourage everybody to share this kind of data with each other. accessibility.cloud simplifies sharing and obtaining accessibility data in a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



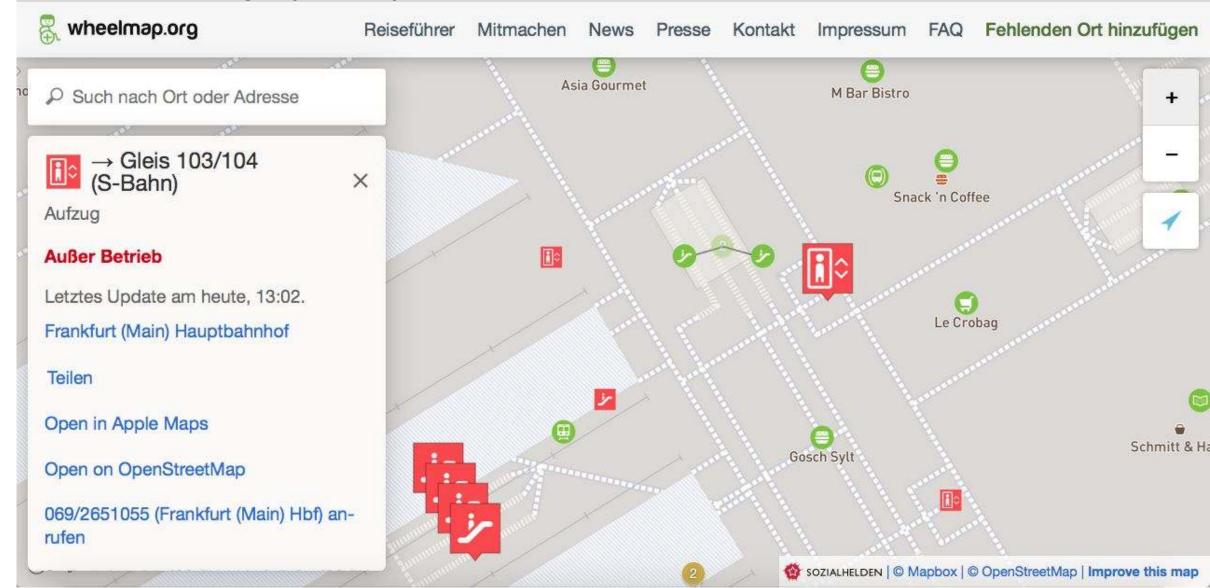
# Wheelmap (beta): More sources

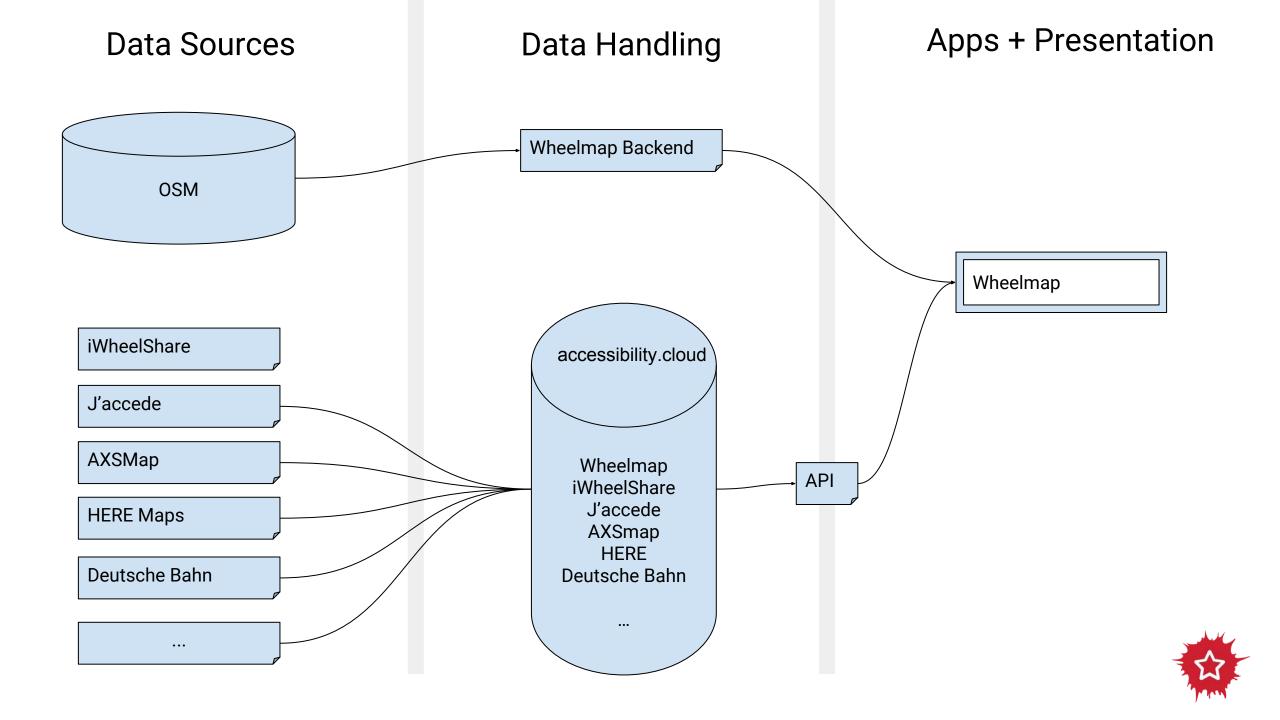


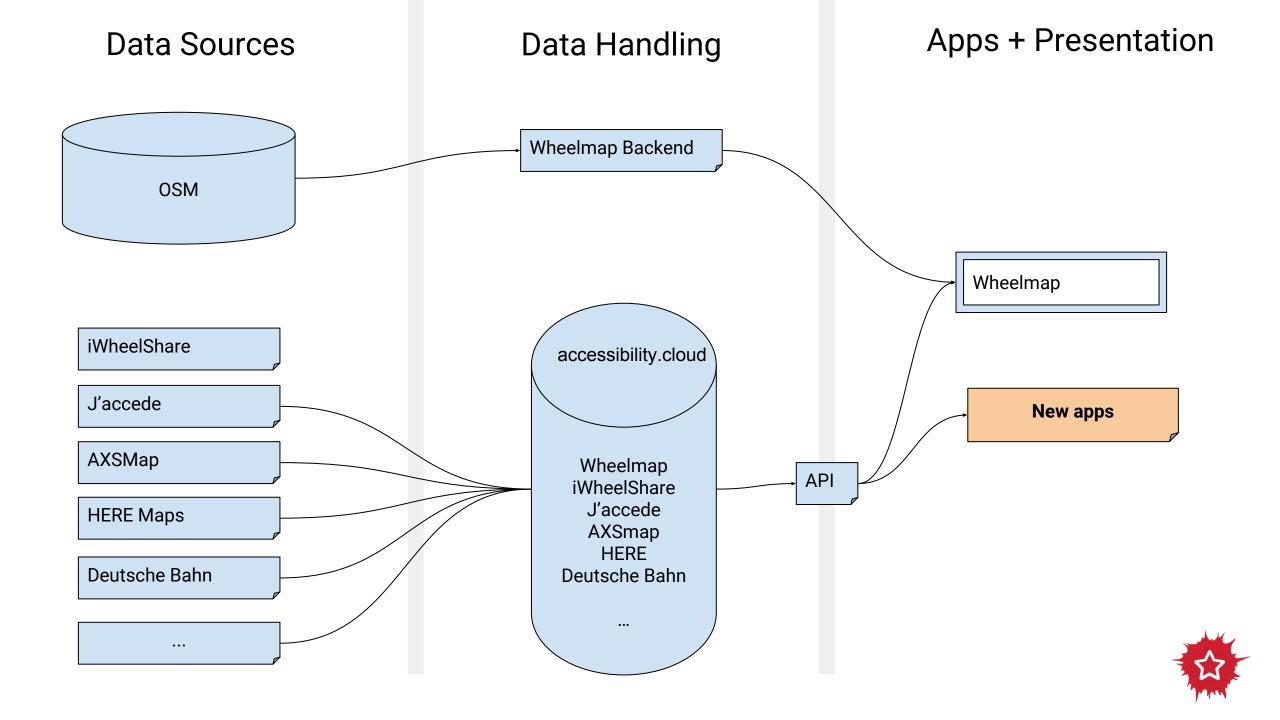
Wheelmap (beta): More complex edits on OSM



#### Wheelmap (beta): Live data on elevators + escalators





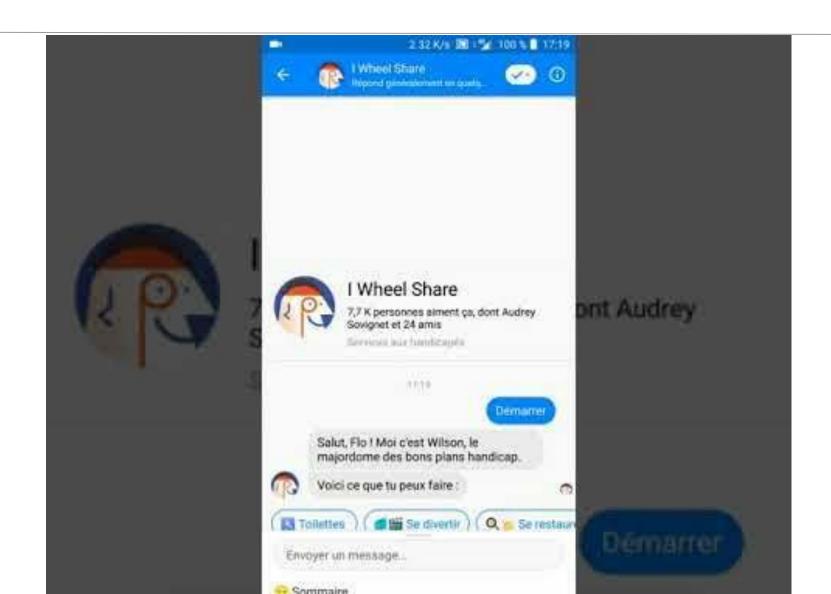


#### Example: I Wheel Share



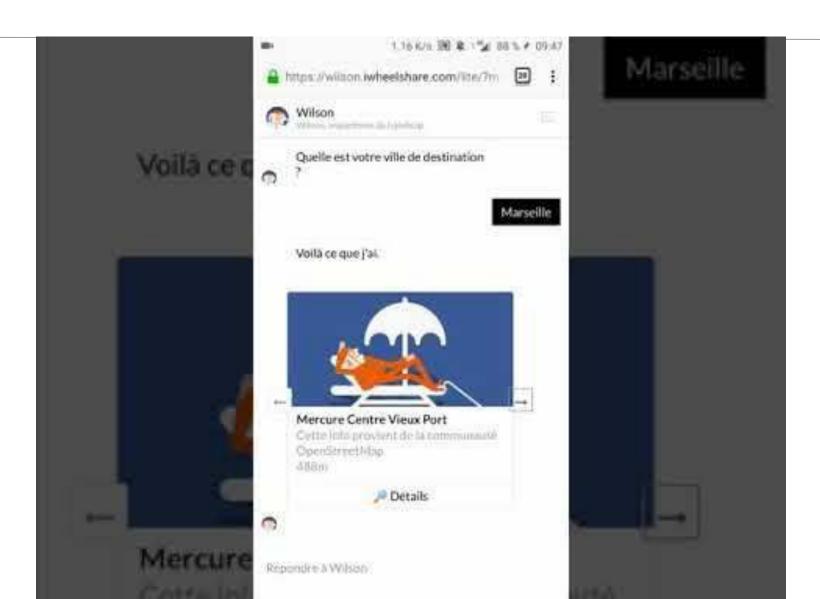


#### I Wheel Share: Wilson the chatbot





# iWheelShare: Mixing sources





#### iWheelShare: Data sources













terre

en vue











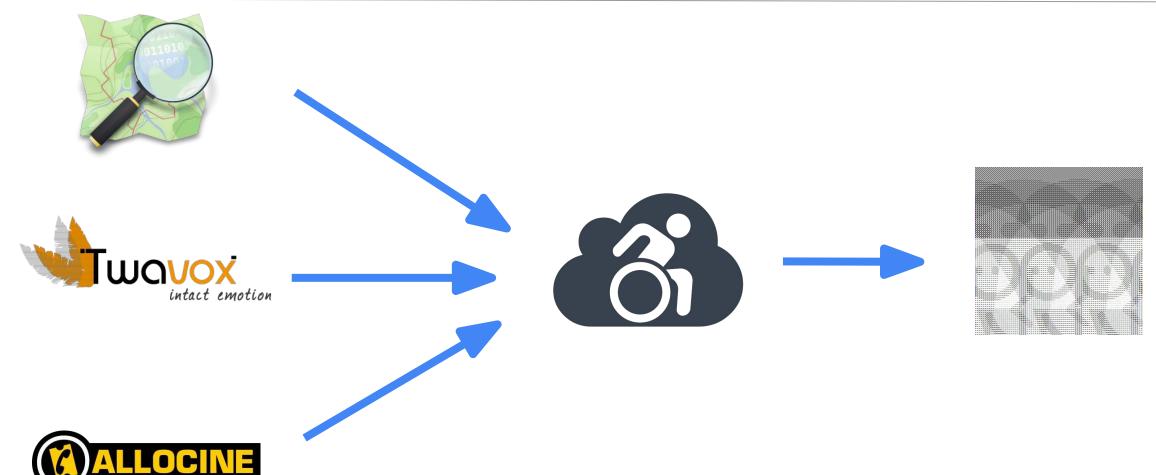








# iWheelShare data integration: cinema





#### Possible because of...



#### ... the harmonized data format of AC

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



#### ...and a lot more attributes!

```
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,
};
```





#### 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



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