

# Vamos a mapear Las Alpujarras! Let's Map Las Alpujarras!



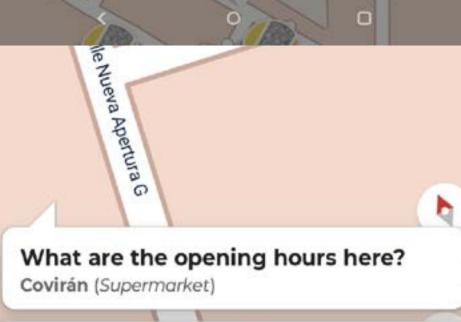
### Taller - Workshop - (English)

Learn how to map on OpenStreetMap, the free map of the world, the "Wikipedia of maps". Roads, paths, bars, shops,...

By: Just van den Broecke (OSM-NL)

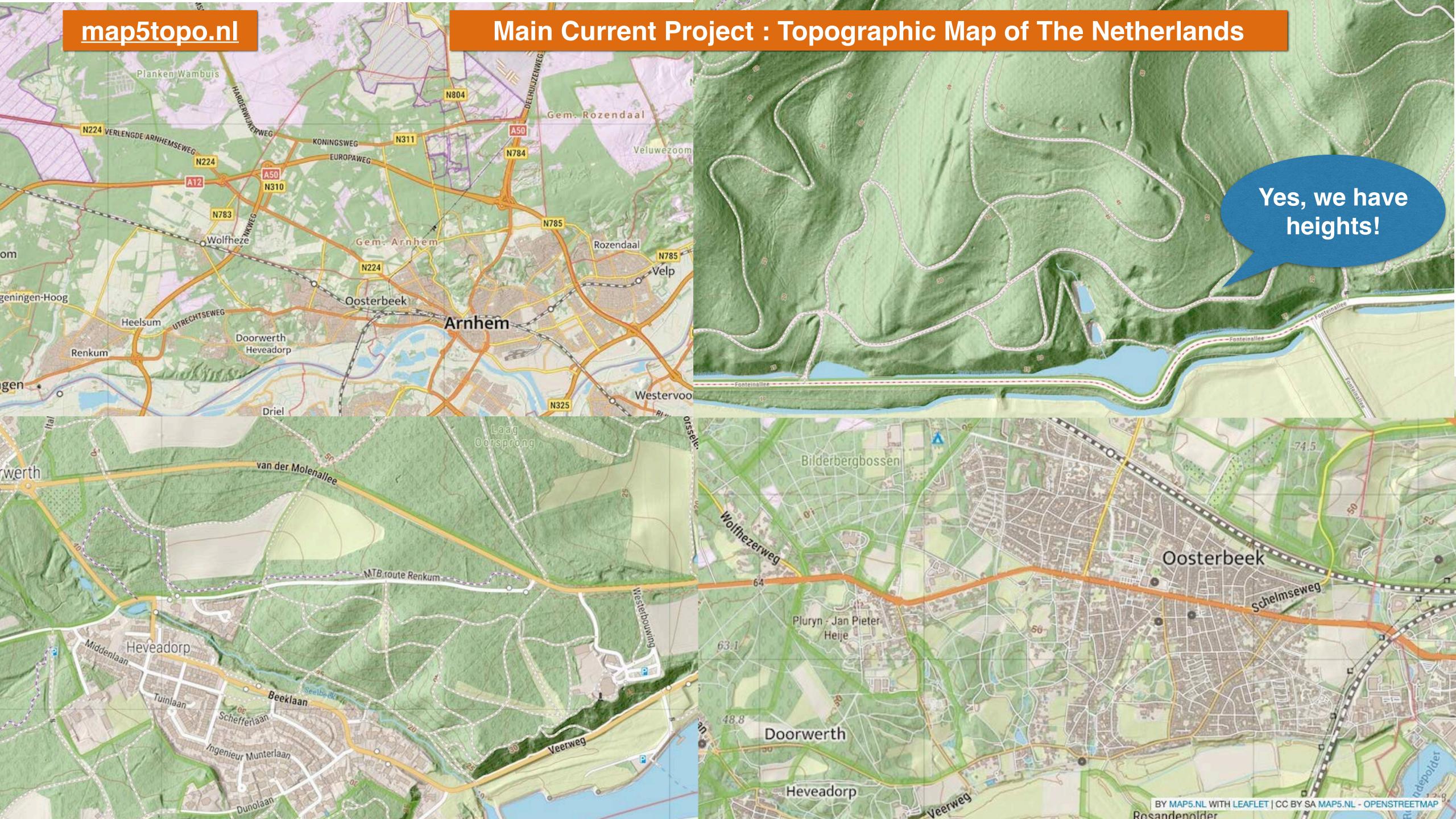
alpumapa.xyz - workshop alpujarraknowmads.com openstreetmap.org openstreetmap.es

Próximamente también en español! contact: justb4@gmail.com



Add opening hours





### What is OpenStreetMap?

- Definition:
  - A free, open-source, and collaborative mapping platform where anyone can contribute, edit, and use map data.
- Mission:
   To create and provide free geographic data to everyone.
- Fun Fact:
   Often referred to as "the Wikipedia of maps."

OSM Website: <u>openstreetmap.org</u>





文A Translate to English





Pinned Message #1

Bienvenida/o al grupo de mensajería instantánea...





El en Corral-Rubio lo has puesto 2 veces.



https://www.msn.com/en-us/news /technology/pok%C3%A9mon-go -saves-stranded-group-after-google -maps-fails-them/ar-AA1w5Wf3

Nombran a OSM muy de pasada, pero sí, OSM es útil de muchas maneras que no podemos ni llegar a imaginar.

#### MSN

Pokémon Go saves stranded group after Google maps fails them

A small group of tourists found themselves lost in a forest in Spain and were struggling to find their way back to civilization. When they realized that Google Maps wouldn't be of any help, one of them had the idea of...









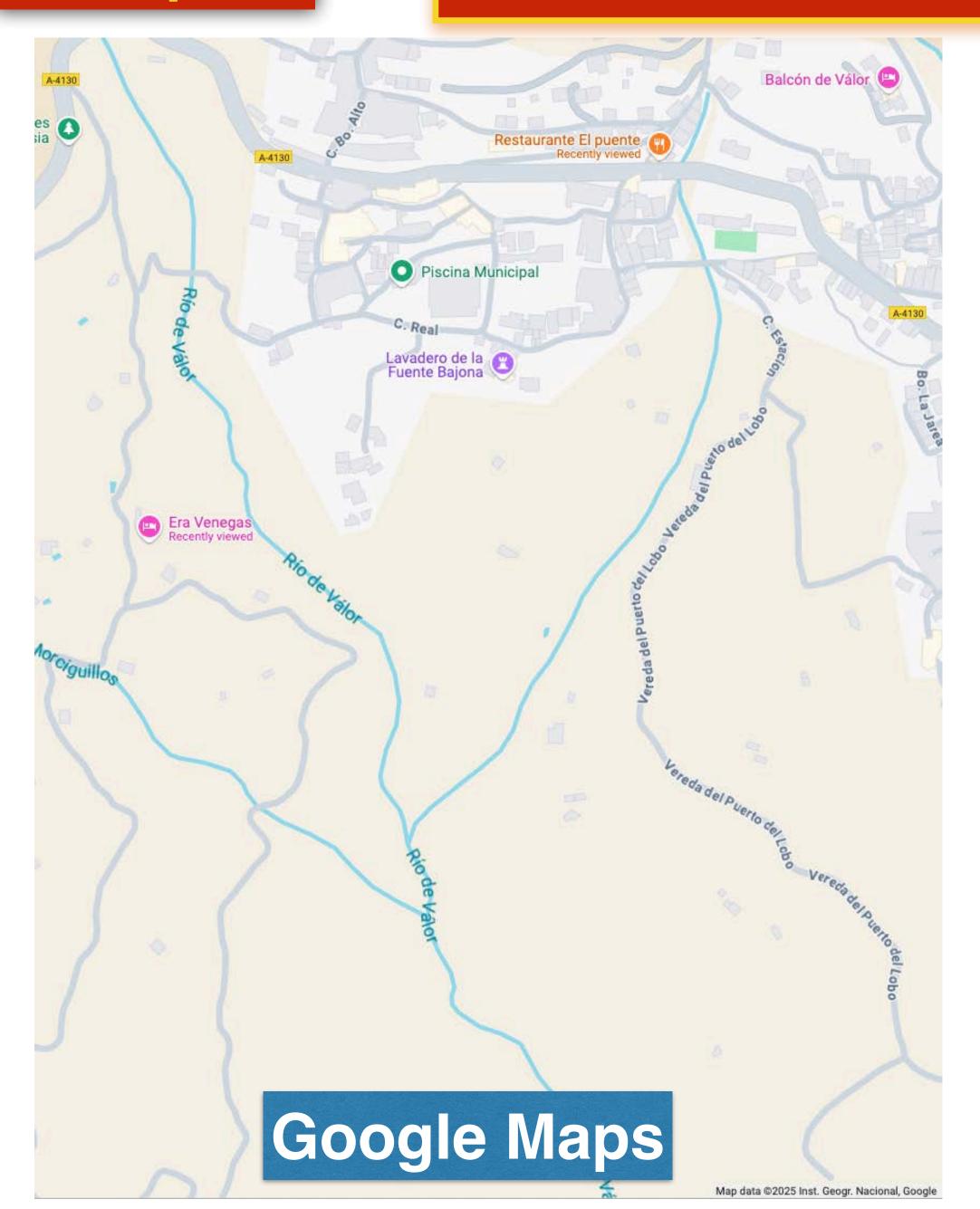


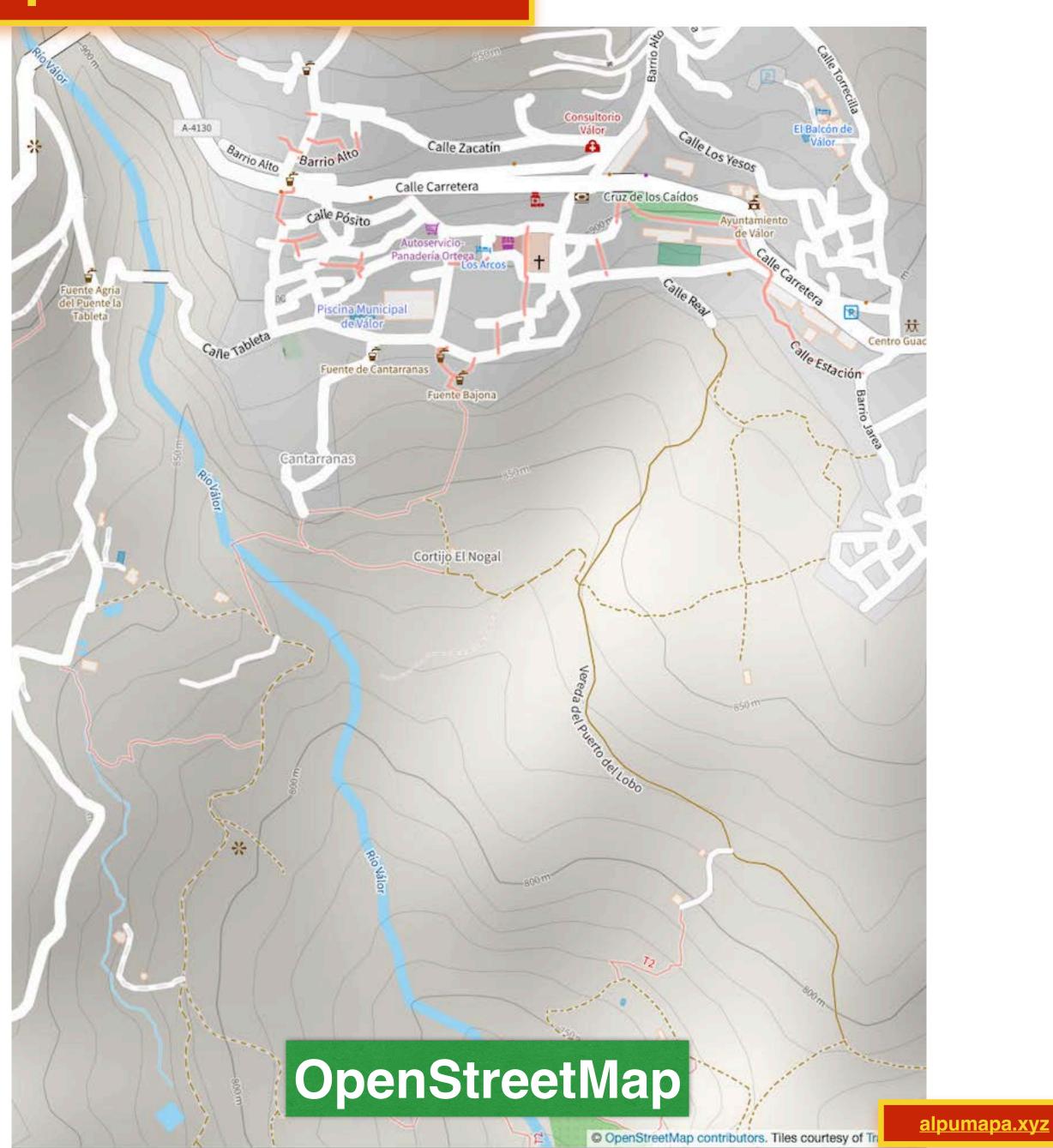
5 2 09:40

#### Javier \*

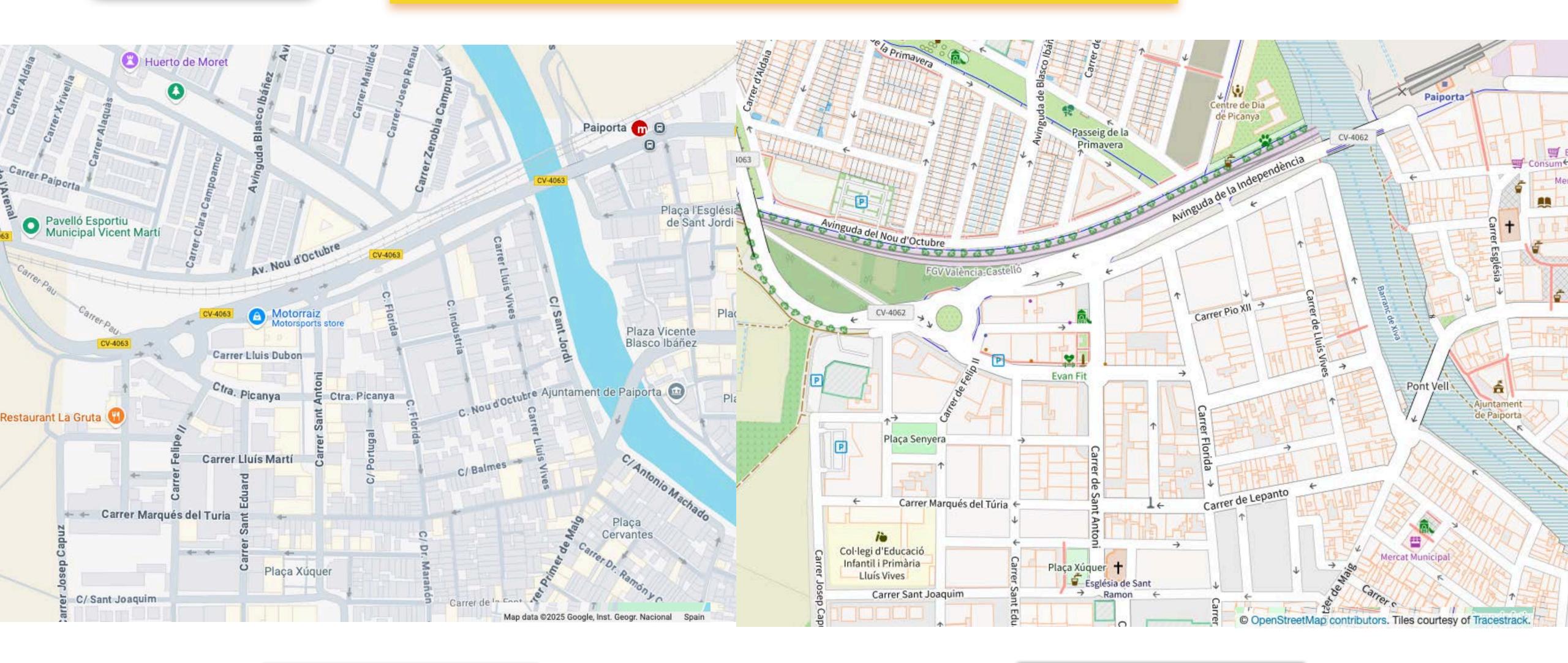
# Why? Por que?

# More detailed maps in rural areas





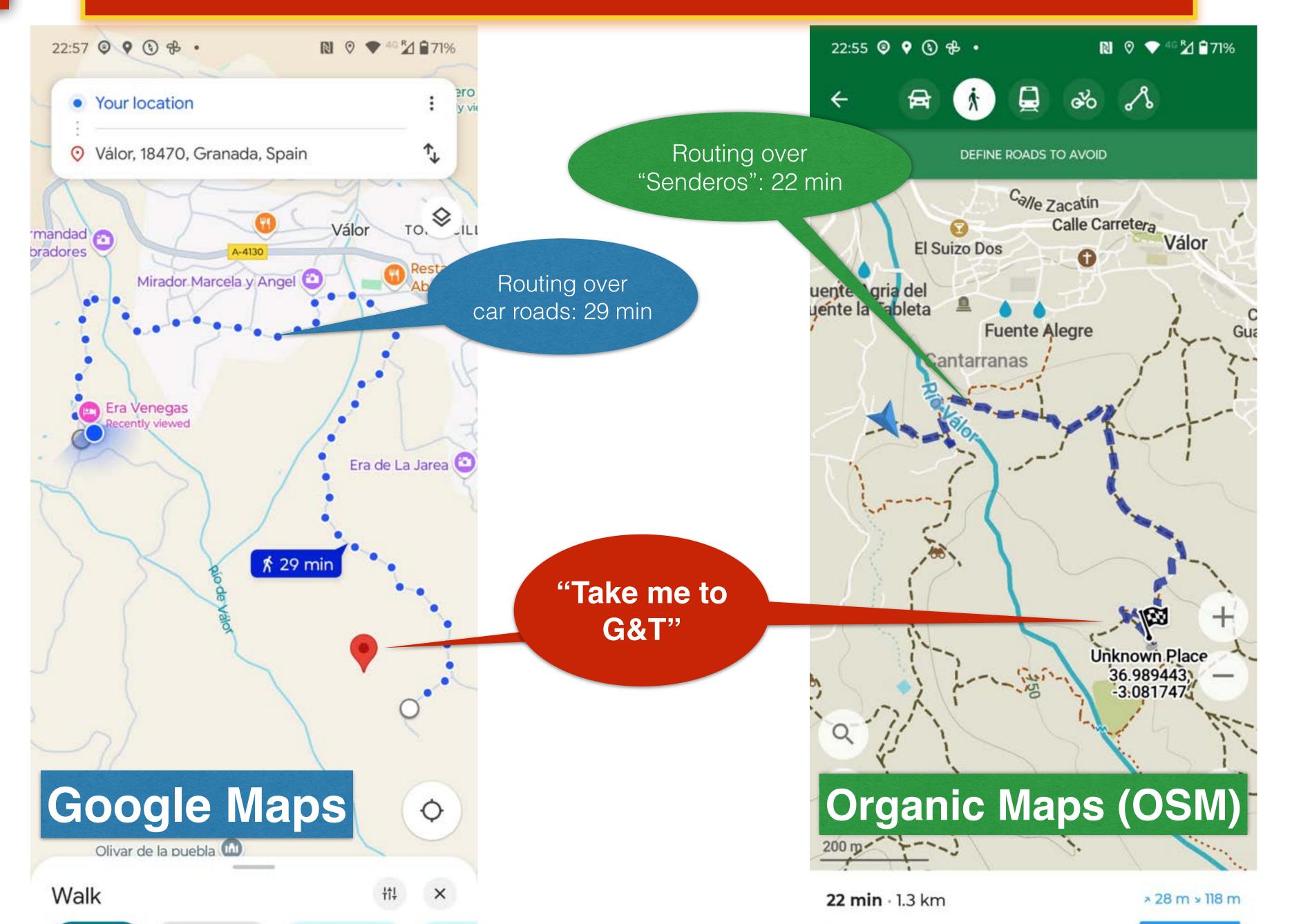
# More detailed maps in general



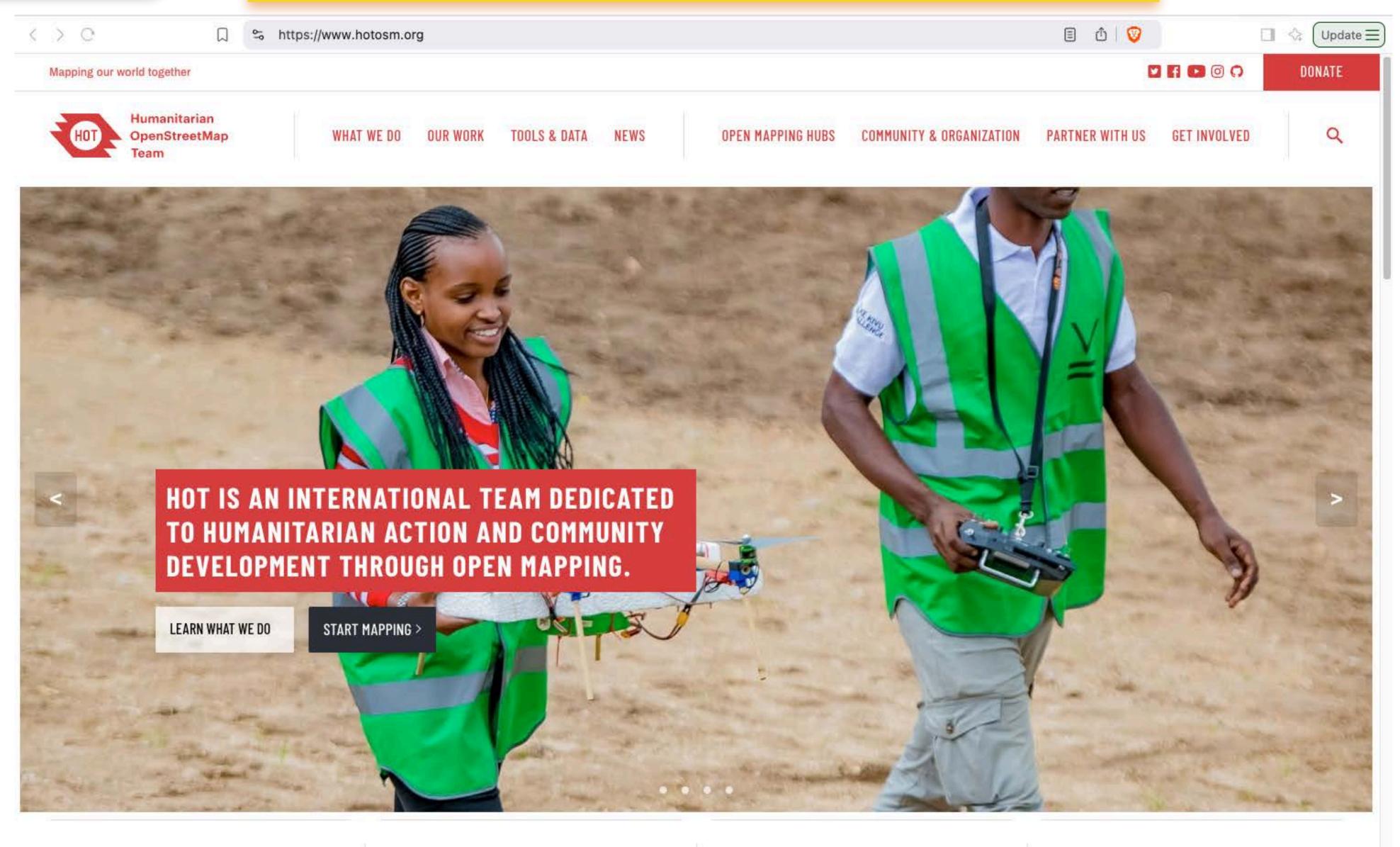
Google Maps

OpenStreetMap

### Pedestrian Routing - Google Maps vs Organic Maps (OSM)



### Disaster Response and Humanitarian Mapping



491K
Total Mappers®

260M Total Map Edits<sup>(1)</sup>

156.4M Buildings Mapped<sup>®</sup>

3.4M
Roads Mapped (KM)

#### Disaster Response and Humanitarian Mapping



**#OSM** Community, we urgently need your help to map roads and pathways in **#Valencia** and other affected municipalities due to severe flooding from **#DANA** Your contributions can make a huge difference in the response efforts! Let's map: http://bit.ly/SPNFloods24

#### **URGENT ACTIVATION**





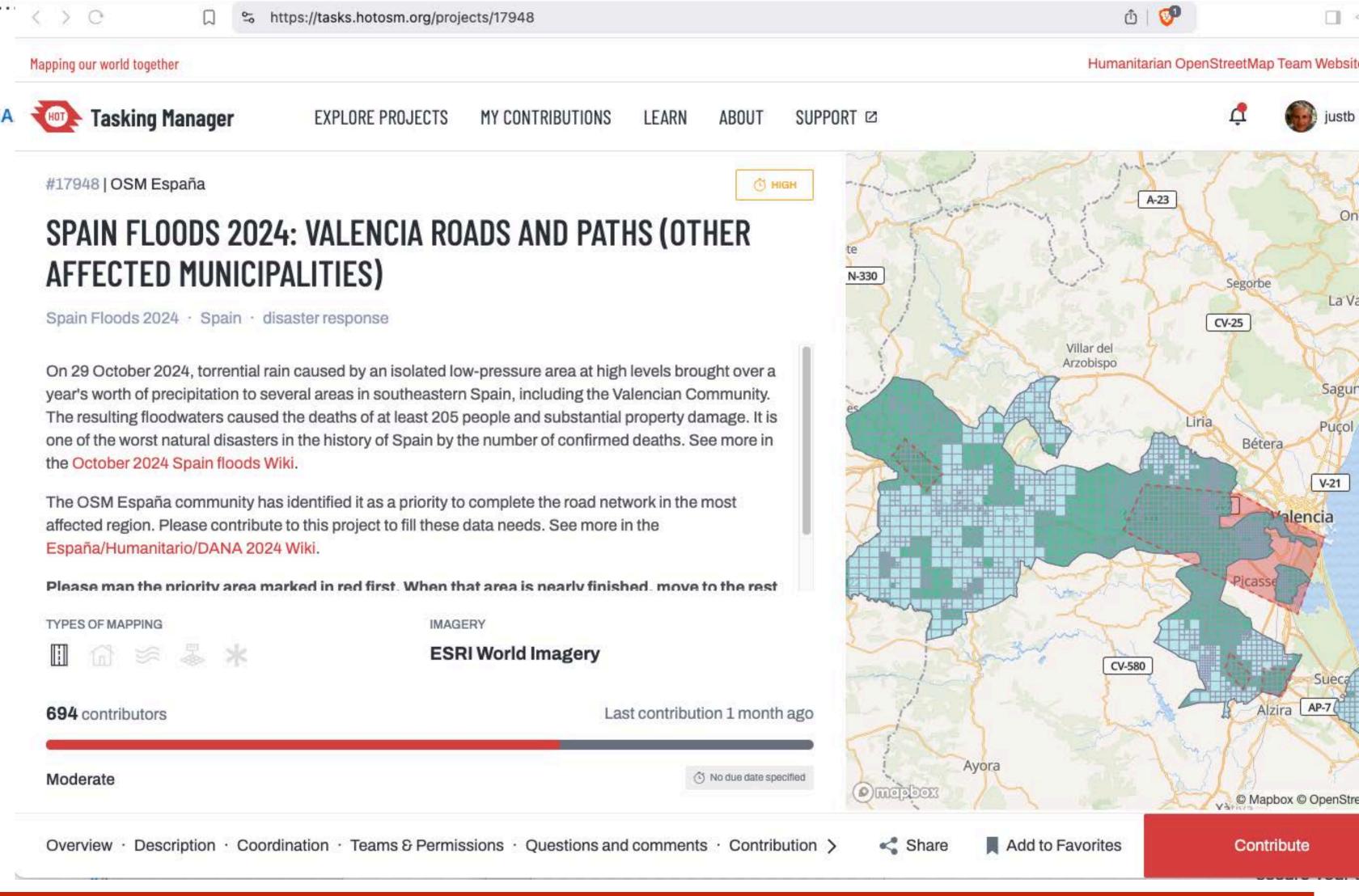
Photo: @2024 NASA

We require your **urgent support** mapping.

CAMPAIGN

bit.ly/SPNFloods24

Spain Floods 2024 | tasks.hotosm.org



# DANA Valencia (2024): OSM played a crucial role in mapping flood-affected areas

#### Telegram

### Real-Life Examples - DANA Valencia - Oct 29 2024



OSM España

516 members, 71 online

Pinned message #1

Bienvenida/o al grupo de mensajería instantánea de la Comunidad de OpenStreetMap en España NORMAS DEL GRUPO: 0- Este grupo es para hablar...

AV Translate to English



W 41.00

Q ...

...

21:41

21:42

21:50

21:53

21:54

21:54

21:54

22:02

22:24

121:47

(tres toros, que comcidencia:)

Gente!! Activemos nuestro propio "HOT". A causa de la DANA varios puentes han caído y otras carreteras han desaparecido y van a tardar en volver. Especialmente zona de Valencia/Albacete



La pasarela de Picanya ya la he quitado yo.

Si conocéis otra zona no dudéis de actuar sobre puentes y otros elementos que tardarán en volver, yo he añadido destroyed al bridge=yes quedando destroyed:bridge=yes



He ido aquí ...pero no he visto nada. ¿No había una página con todas estas etiquetas? https://wiki.openstreetmap.org/wiki/Disaster-specific\_tags

Jordi M

Yo solo he encontrado información útil en la página de 'destroyed' (https://wiki.openstreetmap.org/wiki/ Key:destroyed:\*)

Por cierto, 'destroyed:\*' también debe de ponerse en la etiqueta highway, ¿no?

así lo he hecho, he dejado el nombre solo

la V-30 estará fuera de servicio algún día pero yo no la modificaría a no ser que se cayera algún puente

Tenemos trabajo. Id siguiendo las indicaciones de los vídeos

https://www.levante-emv.com/videos/camp-turia/2024/10/29/puente-vilamarxant-completamenteagrietado-limite-110838782.html

#### Levante-EMV

El puente de Vilamarxant, completamente agrietado y al límite de derrumbarse



Si conocéis otra zona no dudéis de actuar sobre puentes y otros elementos que tardarán en volver. yo h...

Yo hice esto mismo en 2 sitios por la dana del año pasado por el centro, luego lo arreglan y se quita el prefijo

Bienvenida/o al grupo de mensajería instantánea de la Comunidad de OpenStreetMap en España NORMAS DEL GRUPO: 0-



AV Translate to English

MIC

X () @ & @apuntnoticles | apuntmedia.



Jose Luis Infante admin

Así se ve desde el aire el destrozo que ha provocado la DANA en el by-pass | Las Provincias https://www.lasprovincias.es/comunitat/aire-destrozo-provocado-dana-bypass-20241031111747-nt.html

Las Provincias

Así se ve desde el aire el destrozo que ha provocado la DANA en el by-pass | Las Provincias

El Ministro Óscar Puente describió este punto como «crítico» por su situación



Esto lo tenemos?

01 November 2024

Lo estoy mirando

Jose Luis Infante Esto lo tenemos?

Editado: https://www.openstreetmap.org/way/1317611449 y https://www.openstreetmap.org/way/1317611451

OpenStreetMap

Way: Autovía del Mediterráneo (1317611449)

OpenStreetMap is a map of the world, created by people like you and free to use under an open license.





Matrix Telegram Bridge

Nukeador: Hola, comentaba con Jordi M como podemos ayudar en la zona del DANA, si usando el https:// tareas.openstreetmap.es/explore para coordinar mapeos

Bienvenido Nuke. Reenvío tus mensajes para que la gente sepa que ya te has presentado en el grupo valenciano de OSM:



Jordi M

Forwarded messages

Nuke 1/11/24

<u>alpumapa.xyz</u>

# Why OpenStreetMap Matters

- Open Data:
   All map data is freely available for use, modification, and sharing
- · Community-Driven:
  Built and maintained by volunteers worldwide
- Customizable:
   Tailored for local needs, from urban planning to disaster management.

#### **Benefits for Local Communities**

#### **Local Knowledge**

- · Contributors can map their own neighborhoods, highlighting underrepresented areas.
- · Enables local businesses, landmarks, and trails to gain visibility.

#### **Capacity Building**

- · Community mapping initiatives improve digital skills and geographic literacy.
- · Encourages collaboration among residents.

#### **Support for Development Projects**

- · Enhances urban planning, disaster response, and public health initiatives.
- · Maps underserved areas for better resource allocation.

### Real-Life Examples

#### **Disaster Response**

- · Haiti Earthquake (2010): OSM provided critical maps for rescue operations.
- DANA Valencia (2024): OSM played a crucial role in mapping flood-affected areas during the Mediterranean "Depresión Aislada en Niveles Altos" (DANA) event. Volunteers quickly updated maps with flooded zones,
  - blocked roads, and safe evacuation routes, aiding emergency services and community recovery efforts.

#### **Local Advocacy**

· Cycling Networks: Communities map bike trails to advocate for safer cycling routes.

#### **Rural Development**

· Tanzania: Villages mapped for better access to healthcare and education resources.

## Outdoor Apps Using OpenStreetMap

- Organic Maps: Offline navigation and travel maps for hiking and cycling.
- · Komoot: Route planning for outdoor activities like hiking and biking
- AllTrails: Provides trail maps and reviews for hiking and running.
- Wikiloc: Trail sharing and GPS navigation for outdoor enthusiasts.
- · OsmAnd: Offline maps with navigation and rich outdoor features.

### Smartphone Apps for Editing and Contributing to OSM

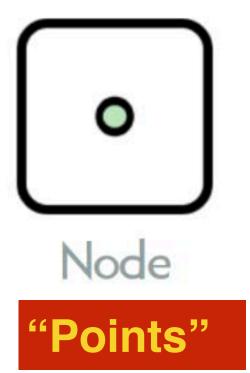
- StreetComplete: Simple app to answer map-related questions and improve map details.
- EveryDoor: Mobile tool to add or edit businesses, amenities, and more.
- · Vespucci: Advanced OSM editor for detailed mapping contributions.
- · Organic Maps: Allows direct edits to OSM data within the app.

### Diving Deeper - How is OSM Data Structured?

Also Closed
Ways: Areas like
Orchards,
Buildings,...

# Two Main Concepts to Grasp

1. Core Elements:







**Examples:** 

Church,
Restaurant,
Bench etc

Roads, Paths, Tracks, etc

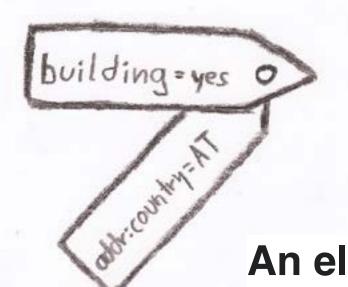
Busline, Hiking Route

wiki.openstreetmap.org/wiki/Beginners\_Guide\_1.3

Nice Overview: jakobmiksch.eu/post/openstreetmap\_overview/

# 2. Tagging

The Elements Nodes, Ways, Relations have "Tags"



# Tags are textual key-value pairs that describe properties of an Element

An element can have tags. A tag is a key=value pair describing what the element is. For instance, mapping a mobile phone store can be done by creating a node, and adding the following tags: shop=mobile phone. name=John Smith's phone centre.

#### Here are some more examples:

- A parking lot can be a closed way tagged with amenity=parking
- A building can be a closed way tagged with building=yes
- A residential road can be a way tagged with highway=residential.
- · A McDonald's branch can be a node tagged with amenity=fast food, brand=McDonald's, name=McDonald's

wiki.openstreetmap.org/wiki/Beginners Guide 1.3

Nice Overview: jakobmiksch.eu/post/openstreetmap\_overview/





#### **Tools and Resources**

- · OSM Website: openstreetmap.org
- · Map Editing Tools: iD Editor, JOSM (Java OpenStreetMap Editor)
- Community Support: Local OSM groups and forums
- · Workshop site: <u>alpumapa.xyz</u>!

# Thanks! Questions?

Home: <u>justobjects.nl</u>

Mastodon: mapstodon.space/@justb4

Linkedln: linkedin.com/in/justb4/

OSM Workshop: alpumapa.xyz

Apps: <u>organicmaps.app</u>