

NAME OF THE PRACTICE

MAPILLARY



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**Co-funded by
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The "MAXICO digital guide for co-creation" has been developed under Erasmus+ KA210-ADU Project "MAXICO - Maps of Experiences for thriving Communities" (acronym MAXICO) (Project No. KA210-ADU-239BA964) and it is licensed under Creative Commons.



Short summary of the practice: Mapillary is a service for sharing crowdsourced geo-tagged photos. This is one of the few alternative platforms that has street level imagery like Google Street View.

Goal of the practice: Mapillary is the platform that makes street-level images and map data available to scale and automate mapping. They are committed to building a global service for everyone. In addition to streets, also bicycle lanes and foot paths, or anywhere where pedestrians can go. It is also used in developing countries where Google Streetview has no (recent) coverage.

Target group: Drivers, cyclists, pedestrians, anyone with camera

Number of participants: Unlimited

Age of participants: Young and Adults, 18+

Materials:

A camera, which can be any mobile device

Internet

App Mapillary

Method Settings: Worldwide, can be used in any city.

Duration of the practice: The time needed by participants to add their photos on the platform.

Preparation: No special preparation required.

Step-by-step guide: Contribute imagery, manage map data, and bring it all to your mapping and GIS workflows with our apps and tools.

1. Capture
2. Upload photos

3. Use street-level imagery and data

Expected output: A camera, which can be any mobile device, takes pictures every second and leaves a trail of photo's. AI can then analyze photos for objects (street signs). 3D reconstruction and semantic segmentation connect images and extract map data at scale for smart cities, geospatial services, and autonomous vehicles.

DOs, DONTs and ethical considerations of the method:

DOs of the method:

Do take a good quality photo

Before sharing, make sure you are taking a photo in the permitted area.

Change the method brings to the communities: It gives a street-view like image on places where Google doesn't come. Additionally a range of community services can be harvested from the images.

Adaptation/Application of the method: This tool can be used directly without any customisation. Can be used as an alternative to Google Maps.

Credit, References, and Resources:

Link to they tool (NL) - https://www.mapillary.com/?locale=nl_NL

Explaining Mapillary: How it works, video - https://www.youtube.com/watch?v=-sk6ubBz4p1Q&ab_channel=Mapillary