
SoTM 2018

Pic4Review : street-level pictures for fun thematic mapping

Adrien Pavie
30 july 2018

Ground surveying in cities ?



Introduction

State of the art

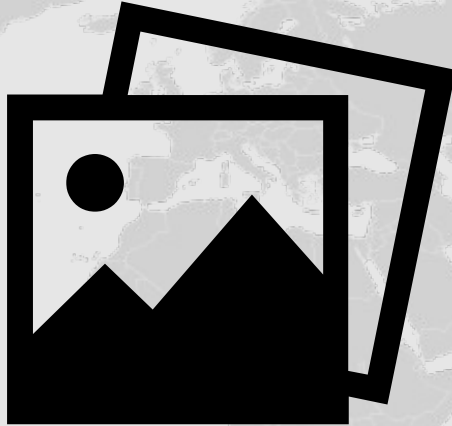
Pic4Review

What's next

What about pictures ?



Geolocated



Detailed

Sources



OpenStreetCam

flickr



Millions of pictures available worldwide !

A faint, light gray world map is centered in the background of the slide. The map shows the outlines of continents and some internal borders.

How to make the best of these pictures, the efficient way ?

About



(aka PanierAvide)

Entrepreneur in geomatics
and software development

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<https://pavie.info/>



Introduction

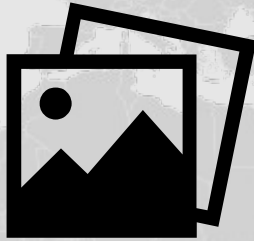
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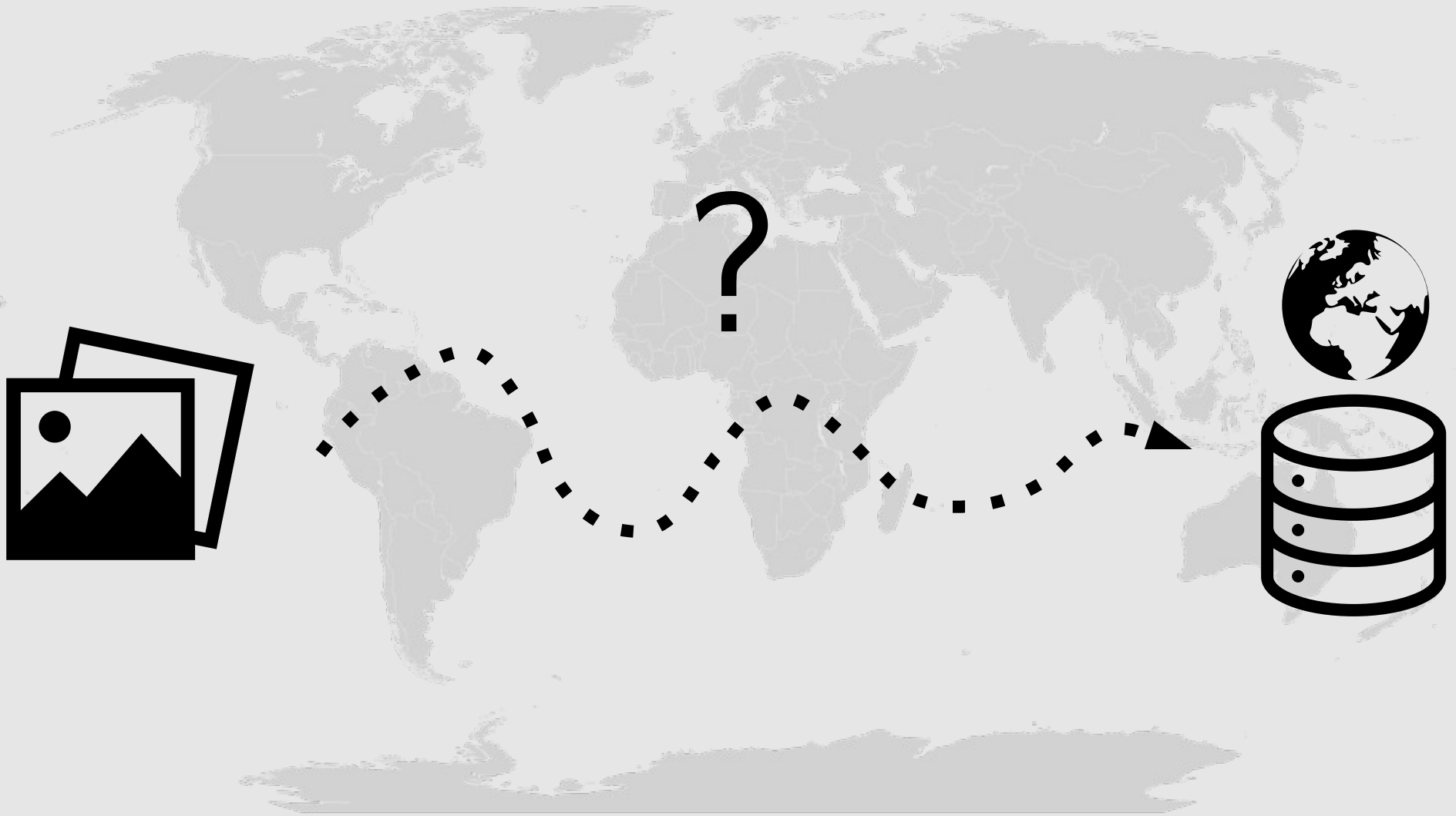


State of the art



Improve feature details
using pictures ?

Updating ?



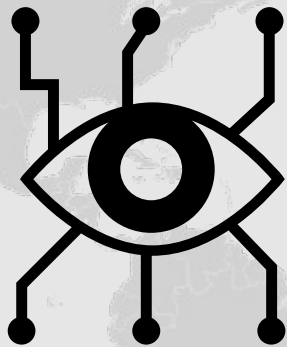
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Methods

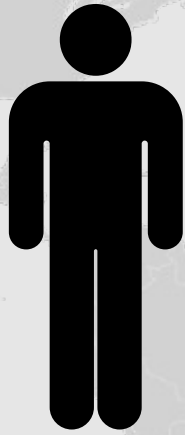


Automated
detection

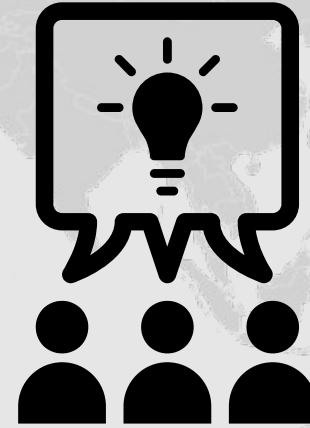


Manual
input

Manual input



Individual



Collective

Collective manual input

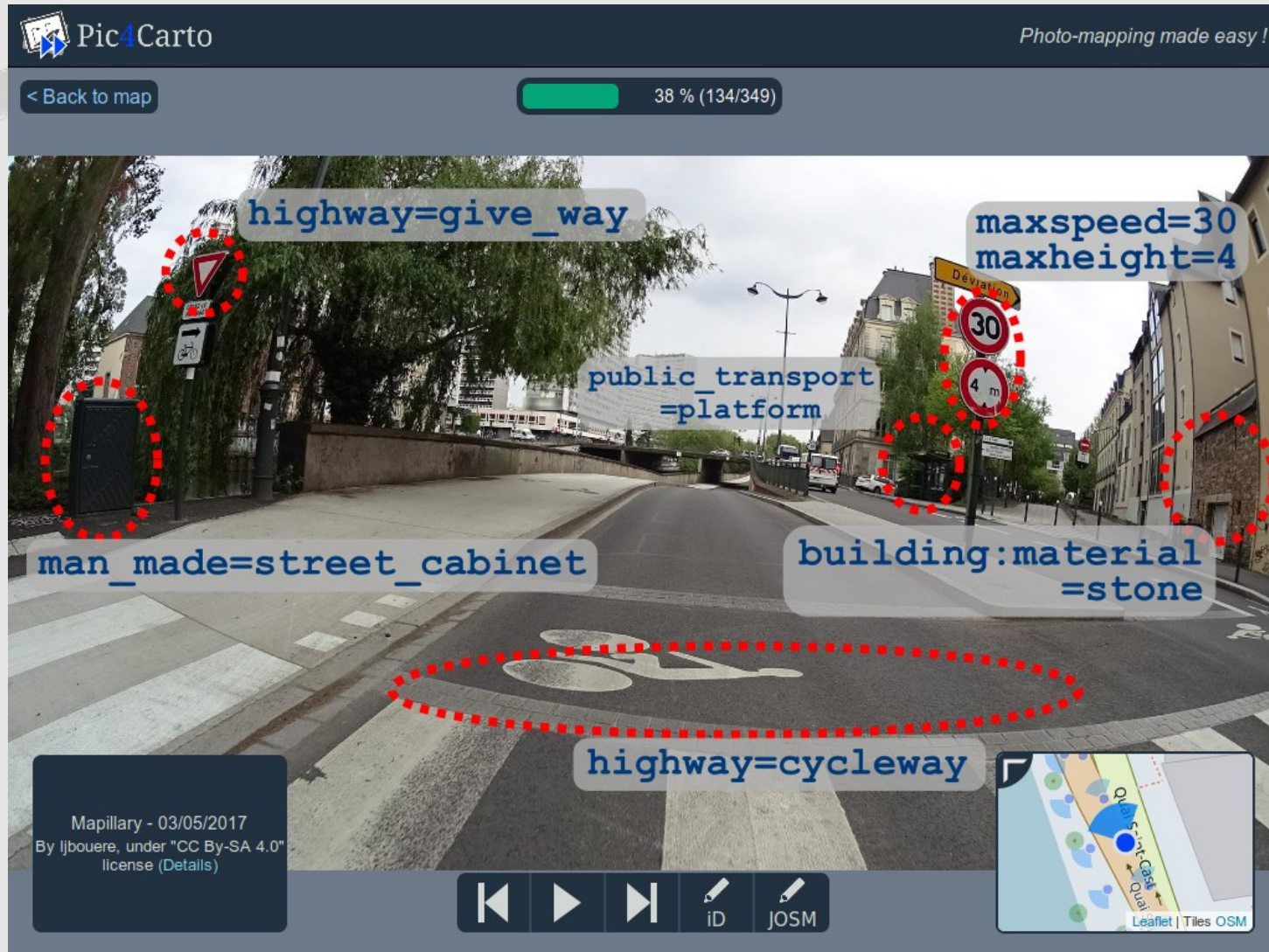


Pic4Carto

<http://projets.pavie.info/pic4carto>



Pic4Carto



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Limits





How to gain community interest ?

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Pic4Review

<https://pic4review.pavie.info/>

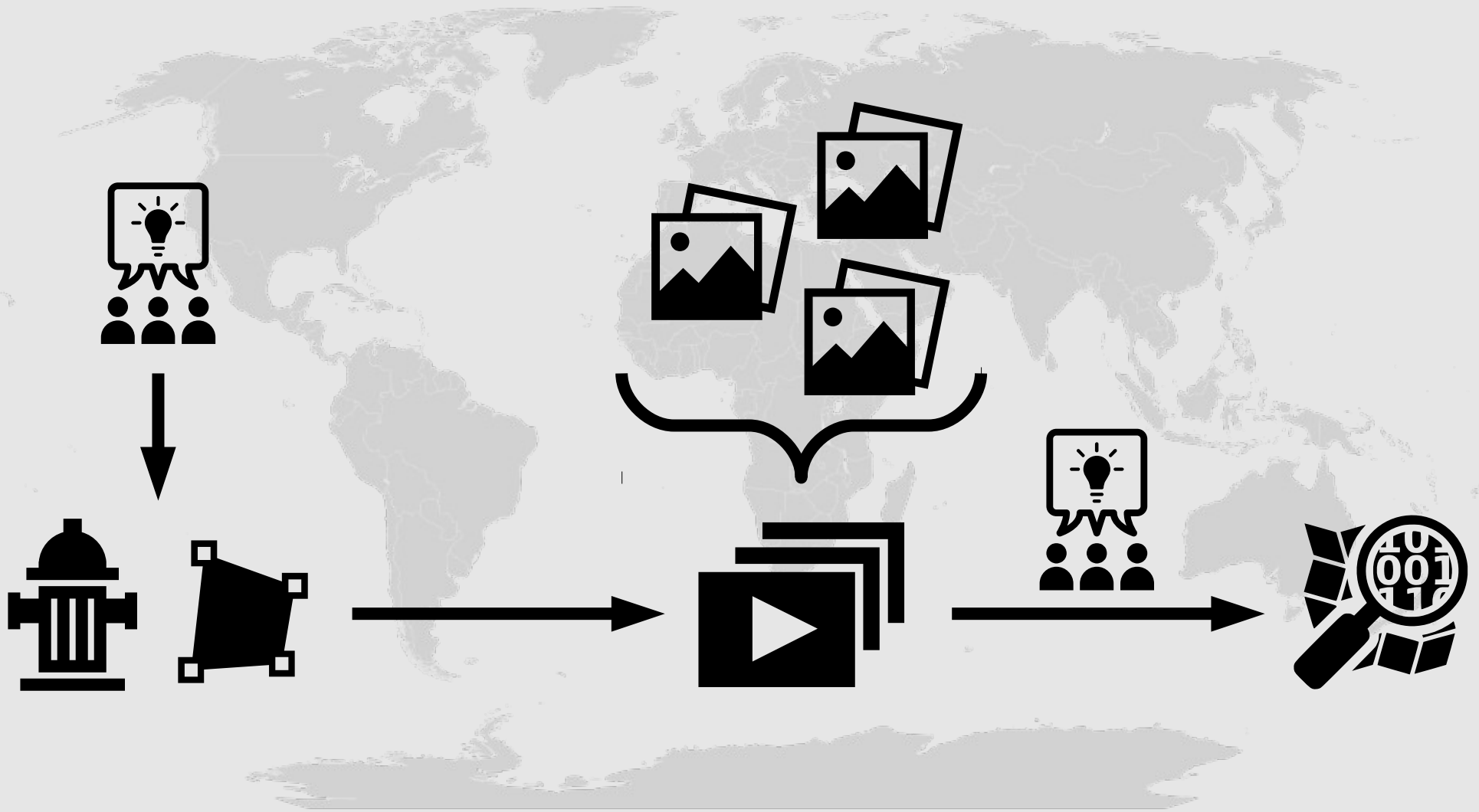
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Concept





Demo

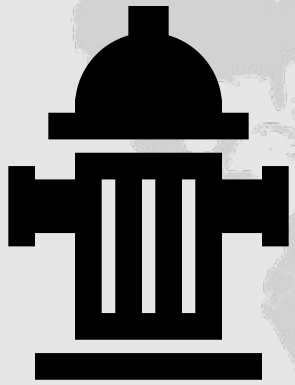
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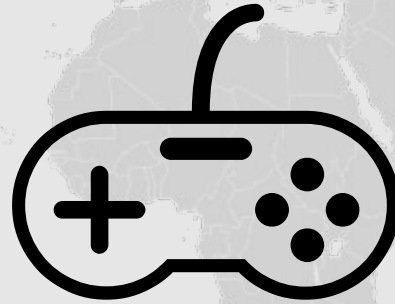
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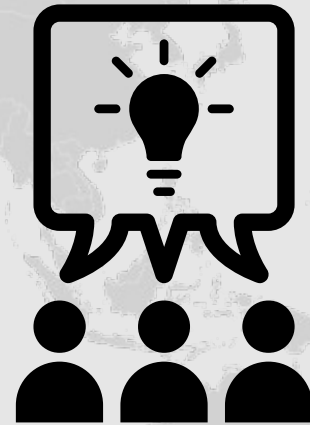
Benefits



Clear
mission



Fun
contribution



Community
freedom



Perspectives

Introduction

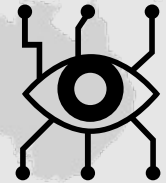
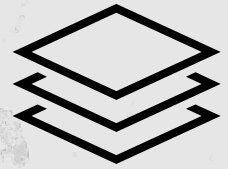
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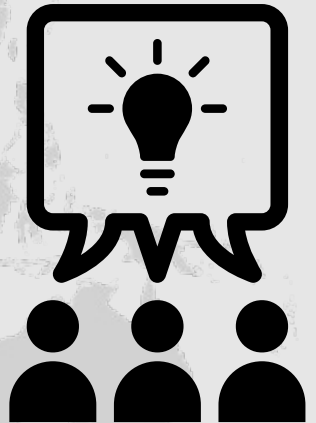
More features

- New data sources
- AI object detections



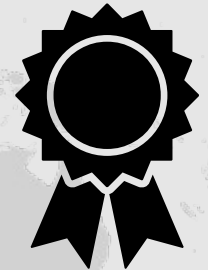
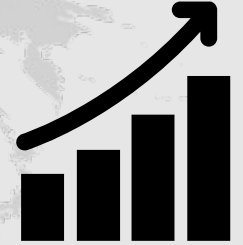
More developers

- Open source project
- Lot of tasks to contribute on




Profesionnal version

- Improve internal databases
- Prizes for best contributors



Looking for partners !

Conclusion



Pic4Review opens a new path
for easier data improvements
using pictures



« It's not that we need new ideas,
but we need to stop having old ideas. »

Edwin H. Land
Scientist, co-founder of Polaroid

Thanks for your attention !



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