#Switch2OSM
an investment for the future

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OUTSOURCING MAPS IS NOT EVIL

Quick & Easy

Useful for common tasks

Just have to pay
BUT WHAT IF…

...you have a problem and no one else can help?
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WHY OSM?

- Strong customization
- Cheaper solution
- Beautiful maps
- Realize your plans
ISSUES

- Initial investment
- Acquire know-how
- Integration/substitution
- Maintenance
INTEGRATION IS ON YOUR CHARGE

Map services consumer

- Tiles
- Static images
- Forward/reverse geocoding
INTEGRATION IS ON YOUR CHARGE

Map services consumer → Tiles
Map services consumer → Static images
Map services consumer → Forward/reverse geocoding

⚠️ You may need an “adapter”
PONDER ON YOUR CHOICE
WHAT TO DO

Infrastructure

Customization

Maintenance/Update
CUSTOMIZATION

Extract data

Style data
WHAT ABOUT DATA?

- station=subway
- highway=motorway
- landuse=forest
In God we trust, all others we track.
VALIDATION
“Scoperte”, il Bronx è tra San Quirico e Pontedecimo, parola di Immobiliare.it
Don’t ask what OSM can do for you, but what you can do for OSM.
Making Changes

Public contributions: Changes on our maps are sent to OpenStreetMap too.

Private contributions: Changes are kept only on our maps (to be pushed to OSM later).

Pros:
• Add data of interest
• Protection against harmful changes

Cons:
• More complexity
Map DB
+ PUB changes
+ PVT changes
OSM uses sequential ids
OSM uses sequential ids
MAKING CHANGES

PVT Changes

Map DB

PUB Changes

Dump

Dump

Push

OSM

⚠️ OSM uses sequential ids
MAKING CHANGES

PVT Changes → Dump → Map DB

Map DB
Synced with OSM

Diffs → OSM

Push

PUB Changes

Dump → Map DB

⚠️ OSM uses sequential ids
MAKING CHANGES

PVT Changes → Dump → Map DB → Restore → PUB Changes

Dump → Map DB → Diff → OSM

Synced with OSM + PVT changes

⚠️ OSM uses sequential ids
OUR EXPERIENCE

We can currently serve slippy/static maps:

• for 7 partners across Europe, consuming +15M tiles/day
• with different styles
• supporting 8 languages

We also have future plans:

• vector tiles
• layers 3D
• improve validation
• ...
CONCLUSIONS

1. Consider if switching to OSM can really help your business.

2. There are issues to address, especially at the beginning.

Enterprises’ investments and contributions are important to keep OSM alive and strong.
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“It is as if you were planting trees in a park in which you are going to play and enjoy.”
Thank you

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