

A wireframe globe composed of thin grey lines forming a grid of latitude and longitude, positioned on the right side of the slide.

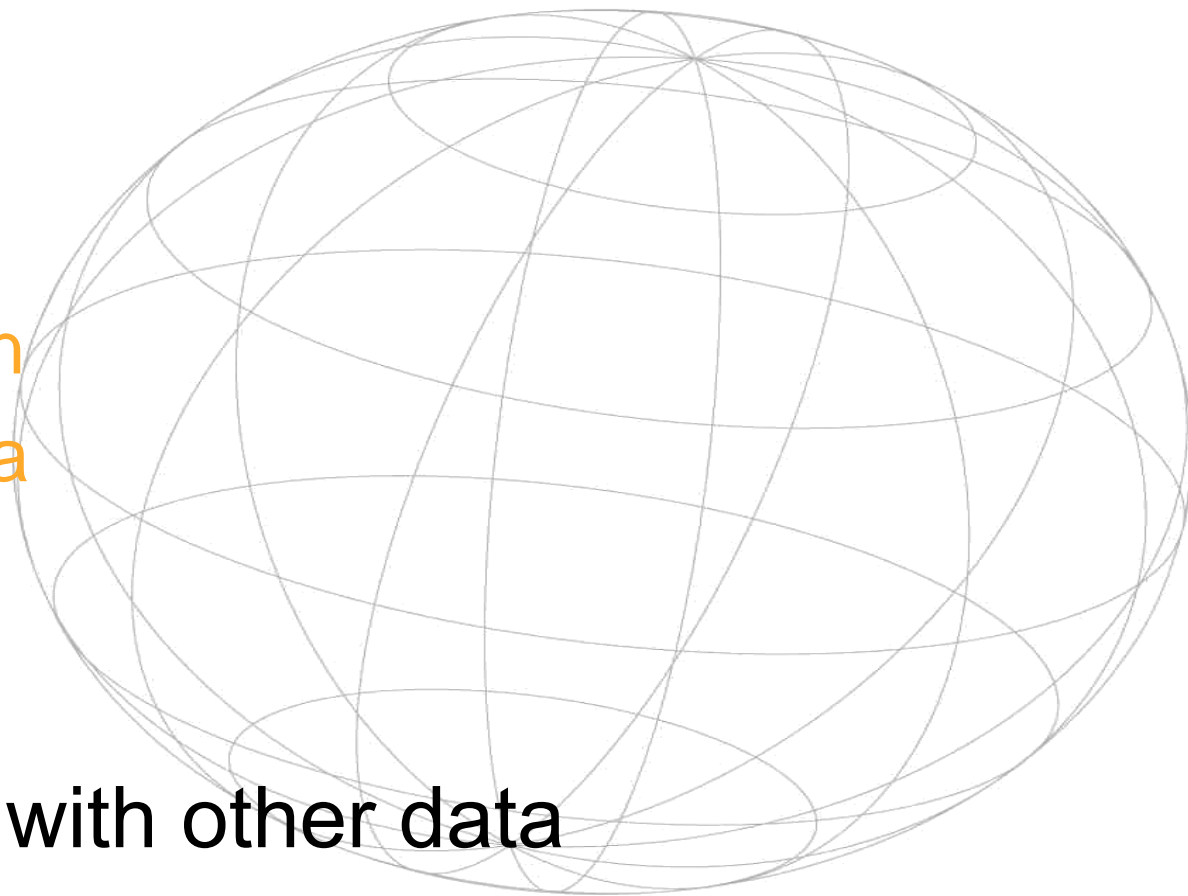
Comparison of NGI with OSM data

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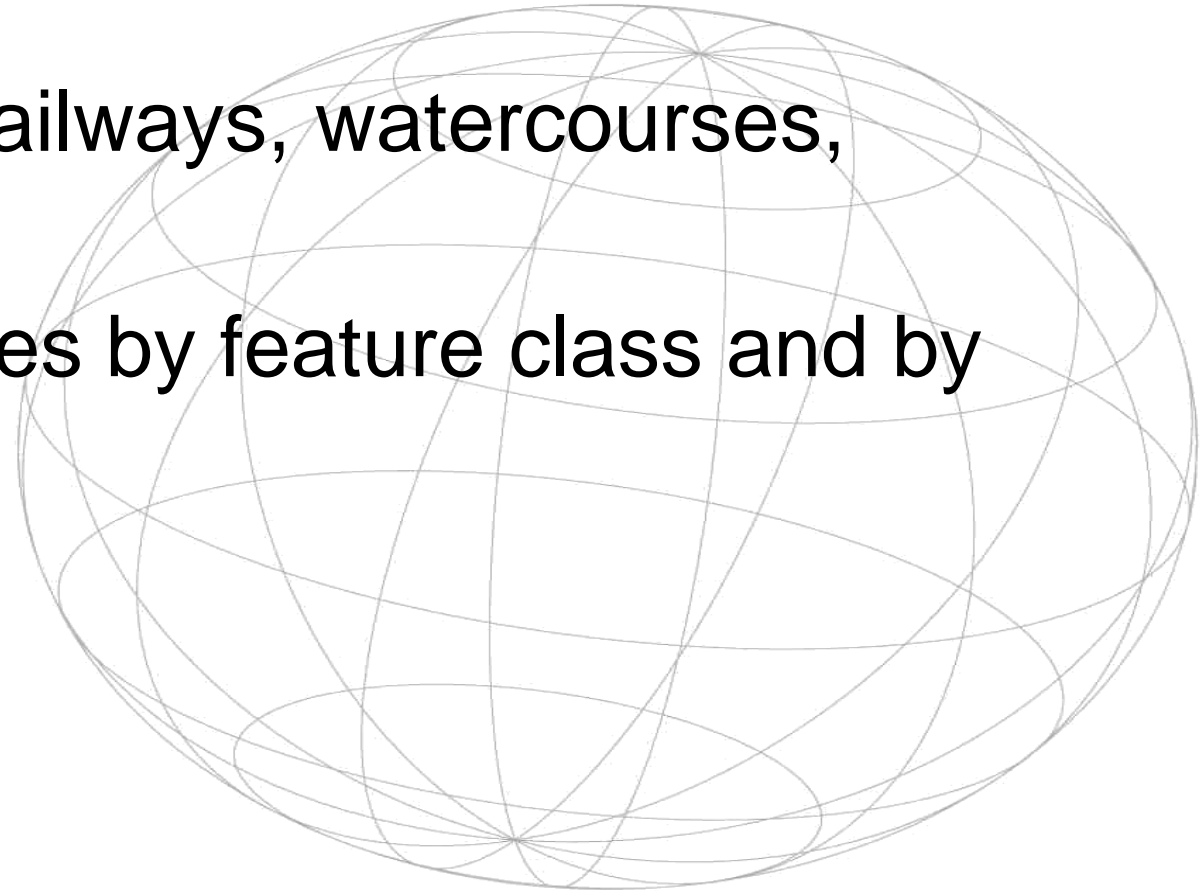
Introduction

- Quality assessment
- Field survey
 - 127 zones of 100ha
 - Capturing actual terrain situation
 - Using out 1:10k selection criteria
- Actual quality of our data
- Test our QC processes
- Compare “neutrally” NGI data with other data




















Method used

- 9 zones of 100ha
- 6 feature classes (Buildings, railways, watercourses, roads/dirtroads, paths)
- Calculated lengths and surfaces by feature class and by QC test



Combining Roads and Dirtroads

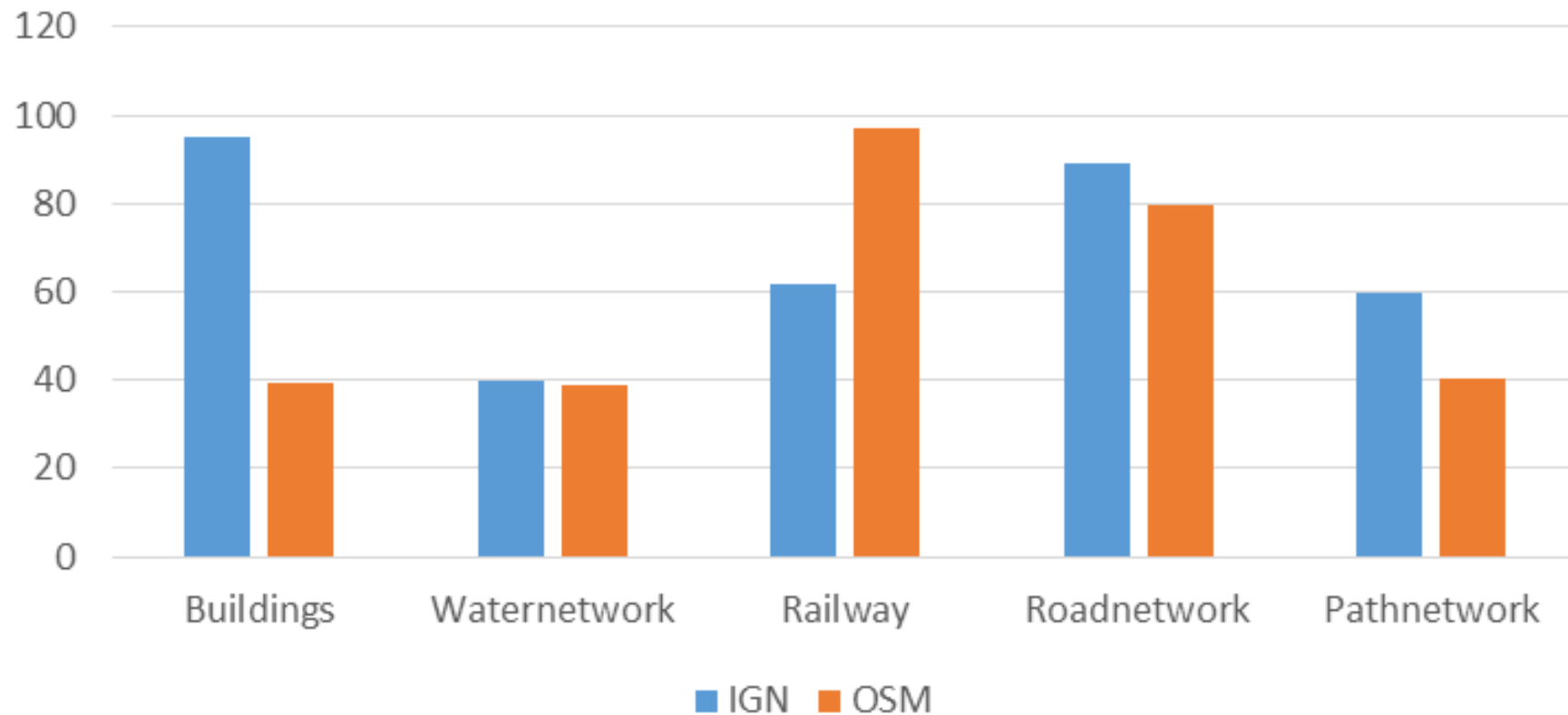
tracktype	grade1		Solid. Usually a paved or sealed surface. See Sealed road .		
tracktype	grade2		Solid. Usually an unpaved track with surface of gravel. See Gravel road .		
tracktype	grade3		Mostly solid. Even mixture of hard and soft materials. Almost always an unpaved track.		
tracktype	grade4		Mostly soft. Almost always an unpaved track prominently with soil/sand/grass, but with some hard or compacted materials mixed in.		
tracktype	grade5		Soft. Almost always an unpaved track lacking additional materials, same surface as surrounding terrain.		
tracktype	<no value>		<i>If no tracktype tag is present, the track is rendered with a dot-dash line style (as shown right).</i>		<i>Photo not applicable</i>

NGI Roads

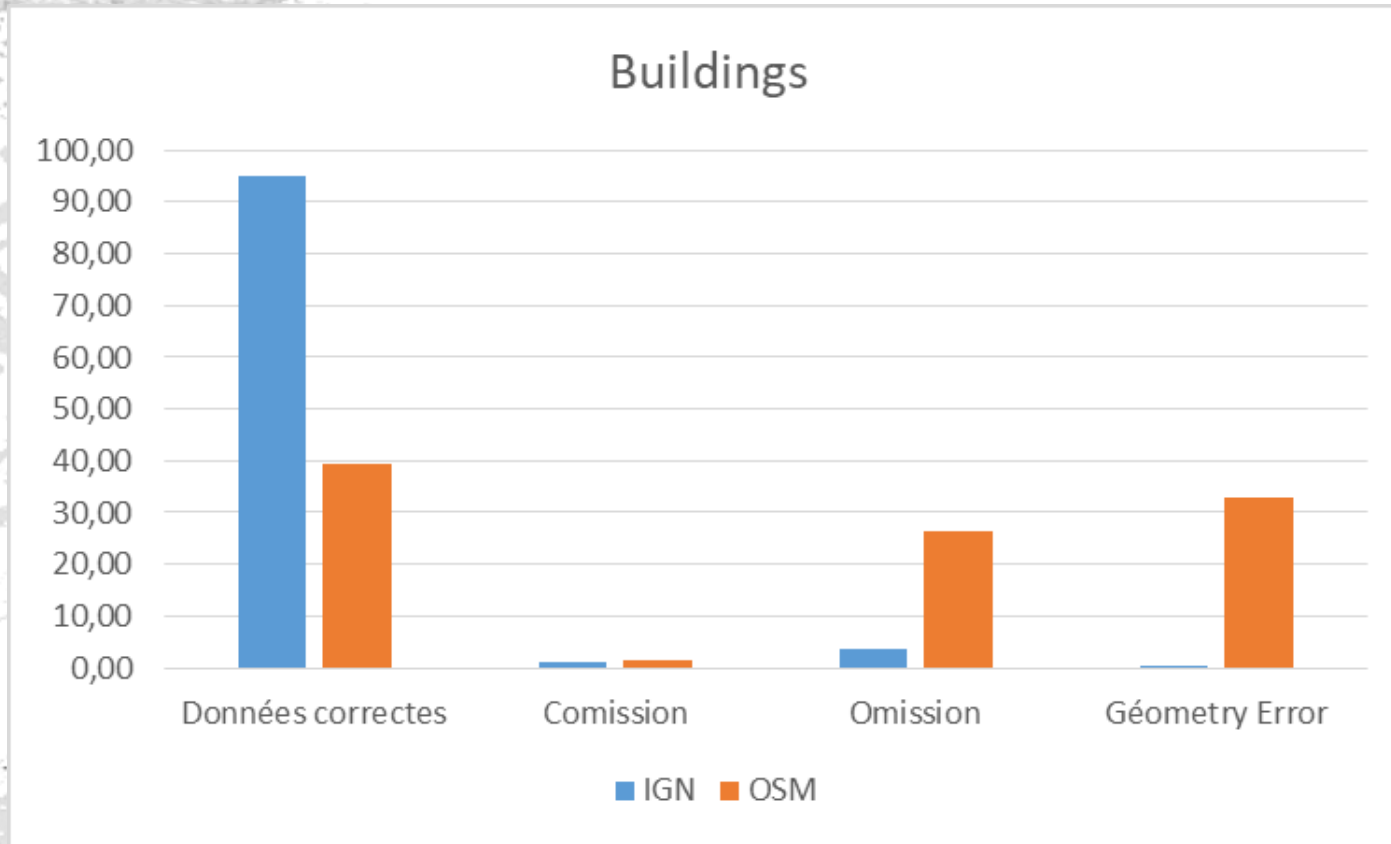
NGI Dirtroads

General Results

Données correctes présentes dans les bases de données



Buildings



■ NGI

■ good quality

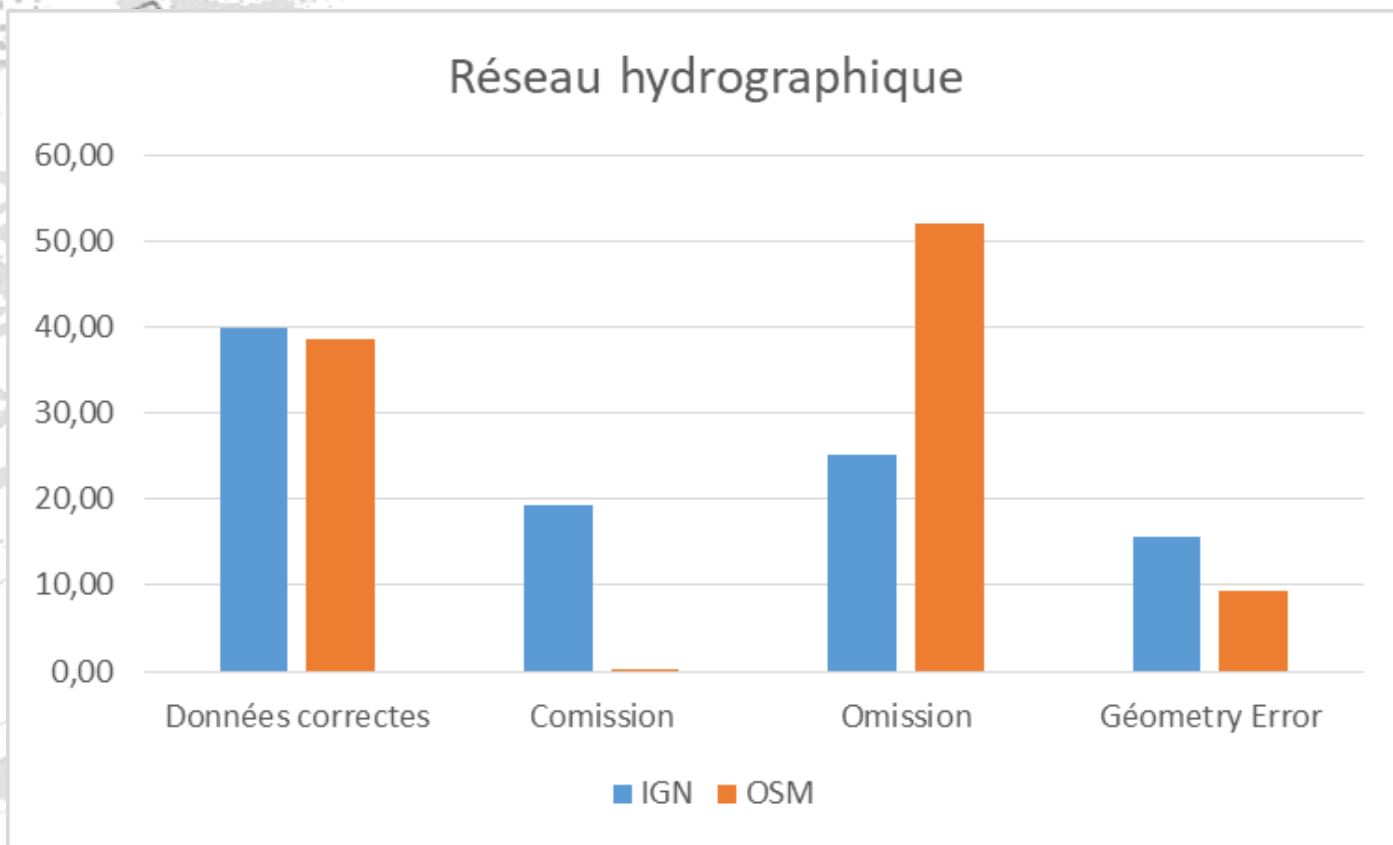
■ OSM

■ Completeness is heterogenic

■ Geometry is worse with high buildings

Correct buildings: geometry x,y<5m off, shape is correct

Hydrographic Network



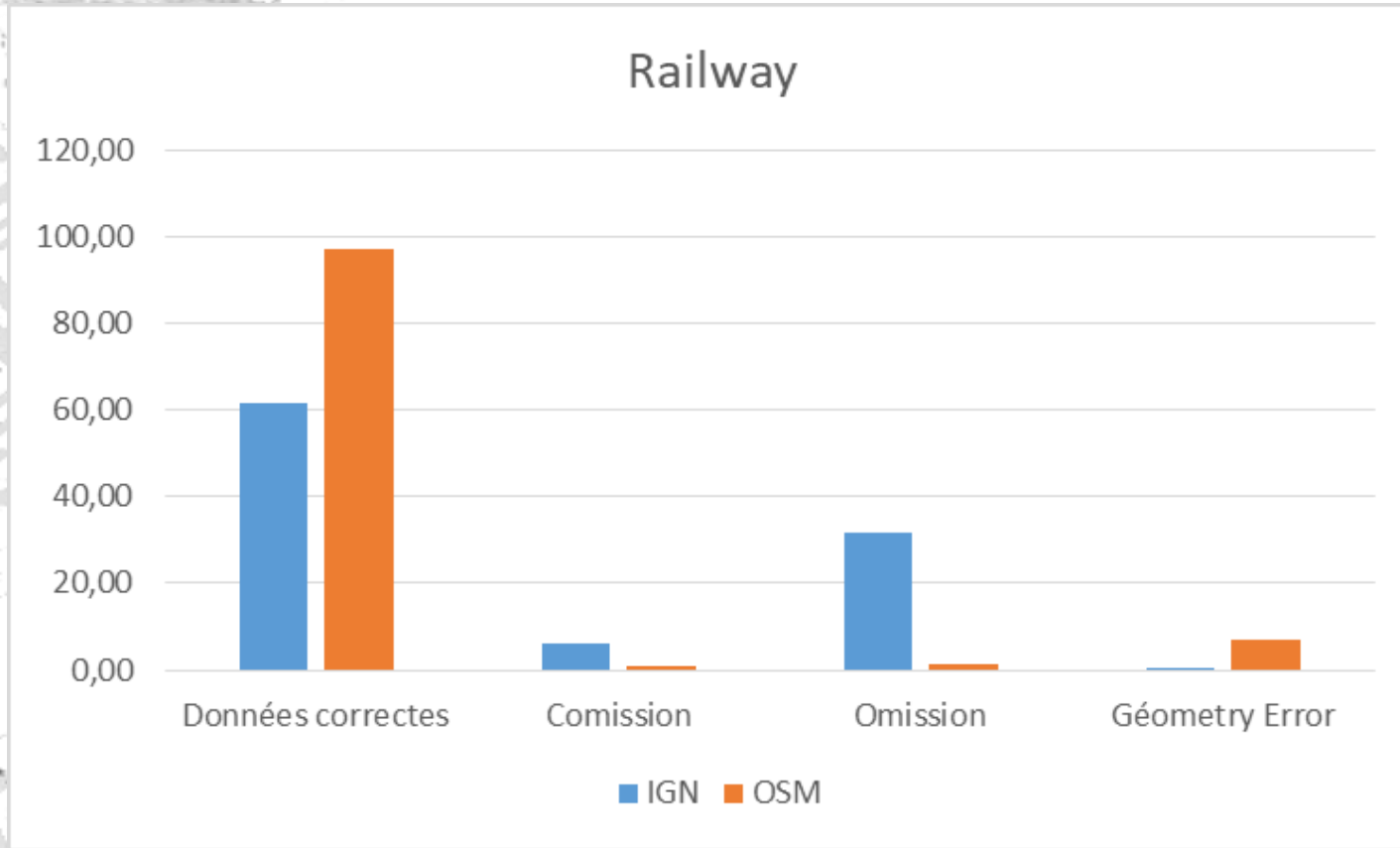
■ NGI

- Old hydrographical data
- Selection rules has been changed
- DTM 1m is present

■ OSM

- High omissions – Low commissions
- Zones with 100% omissions
- Better geometry results

Railway



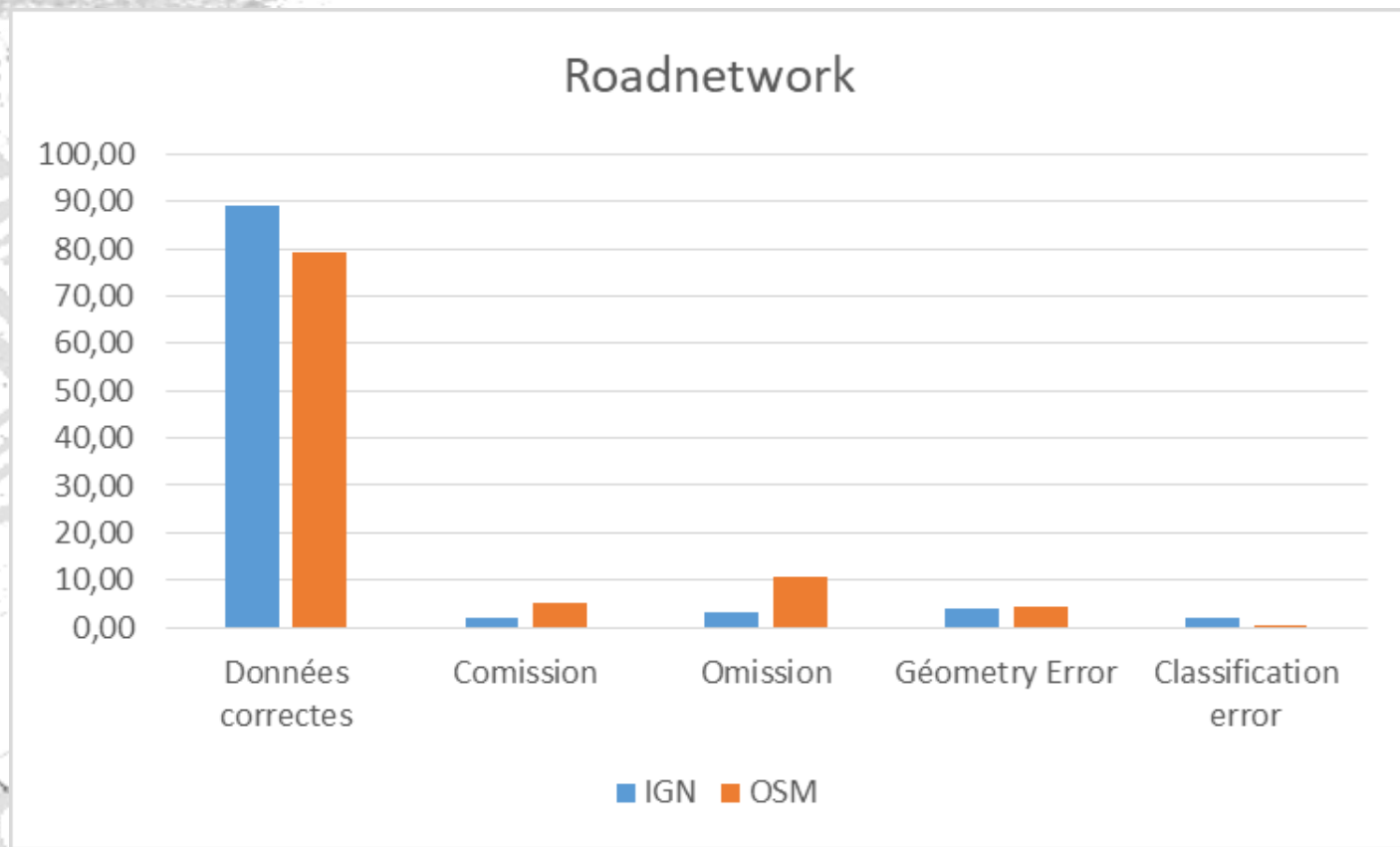
■ NGI

- Missing tram & subway information
- Railway information is ok

■ OSM

- Good quality

Road Network



■ NGI

■ Good quality

■ OSM

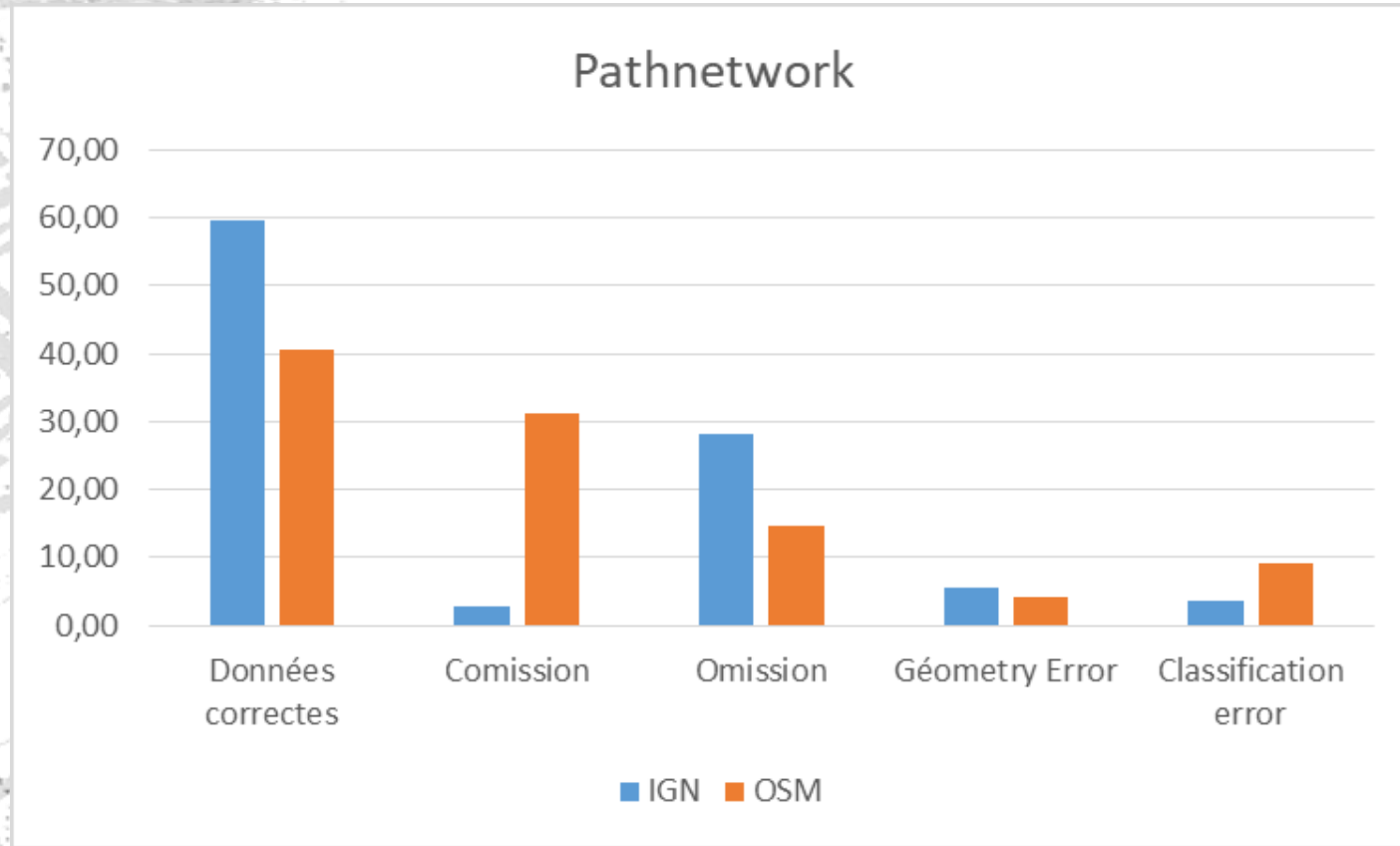
■ Good quality

■ Homogenic

■ But: specification and interpretation problems

Geometry errors: NGI > 2m off, OSM > 5m off (bad comparison)

Path Network



■ NGI

- Good quality

■ OSM

- Lot of commissions due to specification and interpretation problems
- Classification error: mixing roads and paths

Conclusions

- Limited test
- Quality of NGI data > quality of OSM data
- Heterogeneity of the OSM data
- Some areas lack information (ea. buildings)
- Some themes lack information (ea. hydrography)
- Some areas have too much information (unreadable maps)
- Interpretation of the specifications may vary from contributor