

NoINSPIRE

Addresses with no addresses Machine learning for Urban planning

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For the French Point of contact

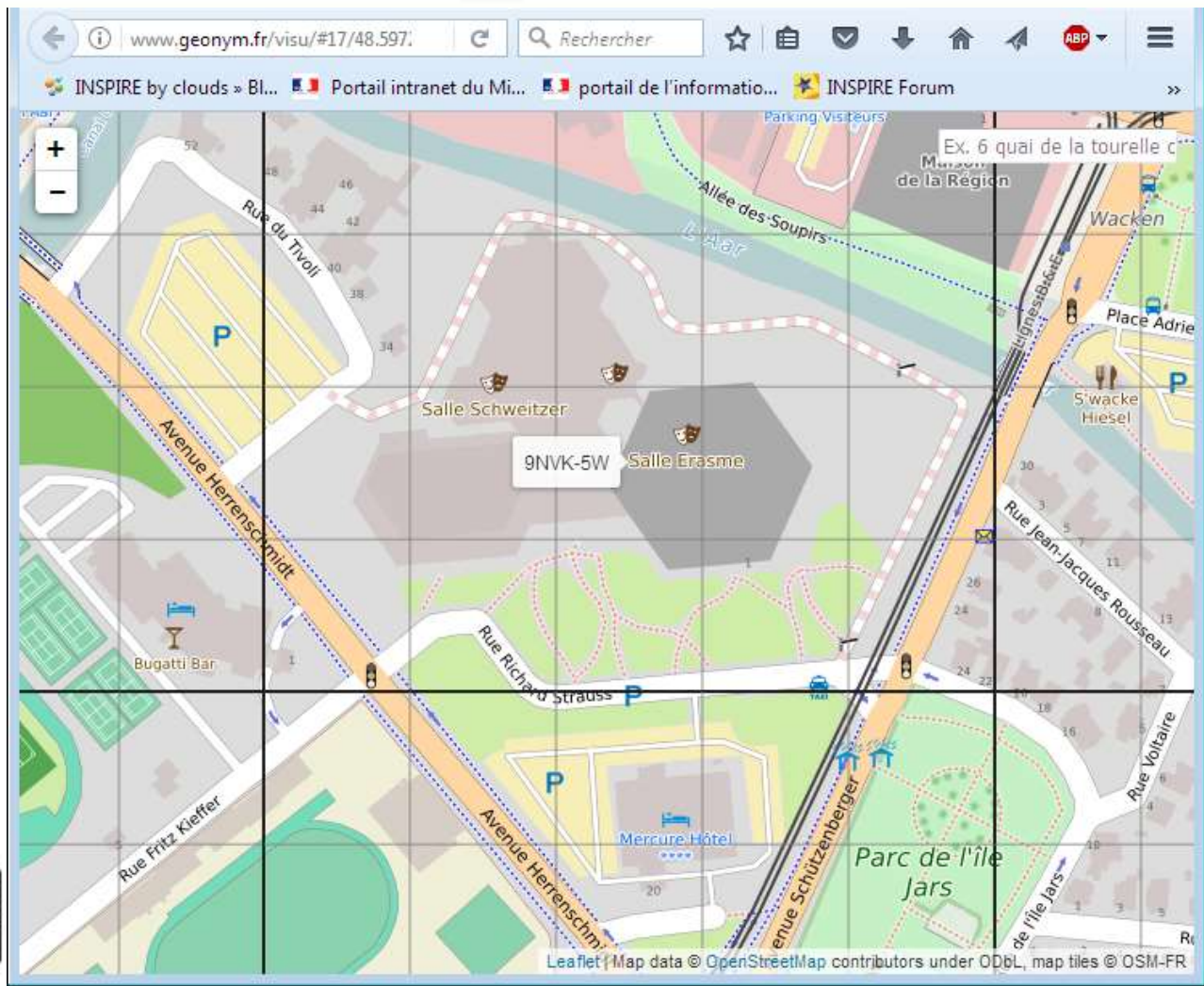
No(t only) INSPIRE

- More than less, we have done the INSPIRE job
- **Time to go further**
- The « new Frontier » is to answer to users needs
- Two examples :
 - How to deliver services to people in rural (and Amazonian !) areas ?
 - How to speed up building processes ?

Adresses without addresses

- 40 % of French territory has no postal addresses
- How to deliver web-commands ?
 - In France, the cost for bad addressing is over 5 billions euros/year
- An unique ID for building have to be understandable by inhabitants

9NVK-5W



Or 9NVK-5W0

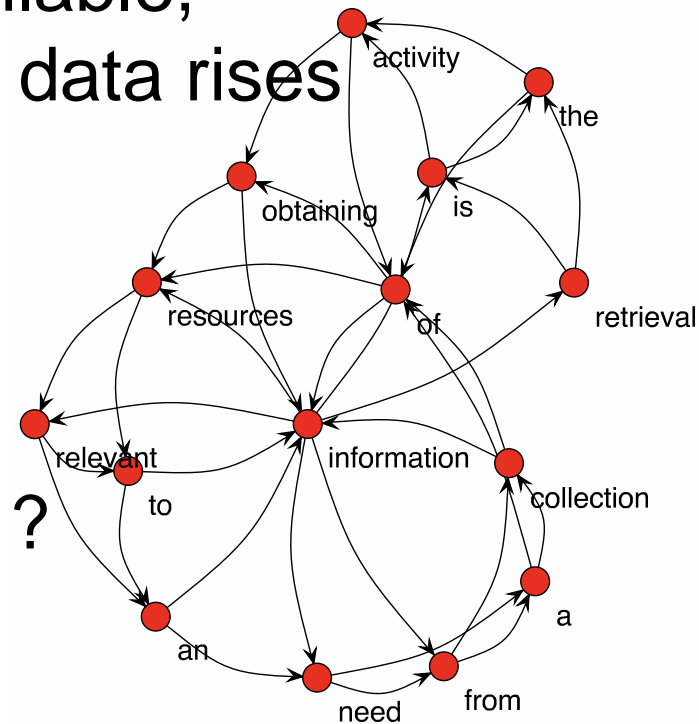


Artificial Intelligence, the step after INSPIRE ?

- Thousands spatial datasets, free, standardized, online
- No service without modelisation of urban rules
- **Problem** : they are in thousands of PDF
- **Solution** ? AI methods

Machine learning, the step after INSPIRE ?

- The more spatial datasets are available,
- The more the need for non-spatial data rises to manage territories
- Open data policies give them us
- We need AI-like new tools
- Graph-based Text Mining ?
- Unsupervised Machine Learning ?
- Key is semantics, and we own it.



In "Graph of word approach for ad-hoc information retrieval",

F. Rousseau, M. Vazirgiannis

Courtesy Michalis Vazirgiannis

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Conclusion

- INSPIRE offers data through web services
- It opens a higher way to manage territories through algorithms and non-spatial data
- That is our « new frontier »

Geonym, a PoC

- based on Openpostcode
- Under LGPL licence
- <https://github.com/geonym/geonymapi>
- View at <http://www.geonym.fr/visu/>