



The French "BANO" project story a citizen initiated opendata project

Christian Quest - @cq94

BANO

59

64

66

67

68

69

70

71

72

73

74

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

98

99



Address data : why ?

A basic « key » dataset

Used by many actors

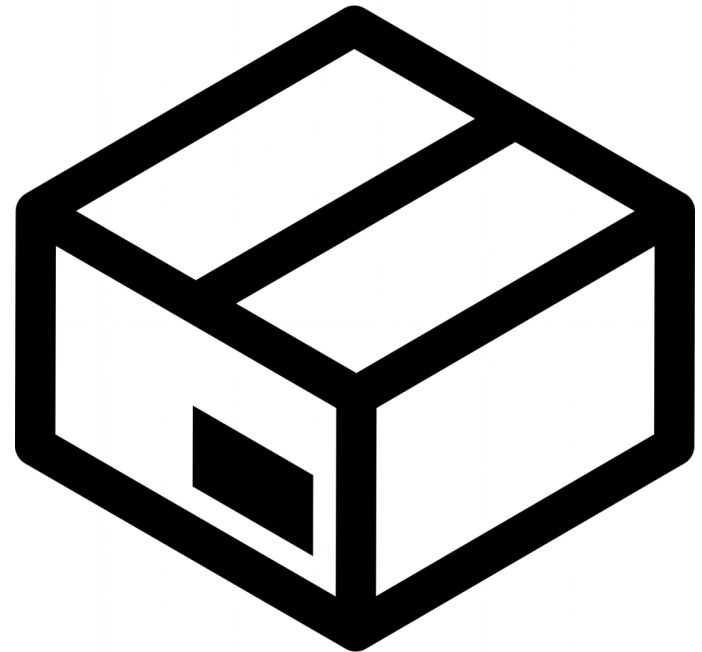
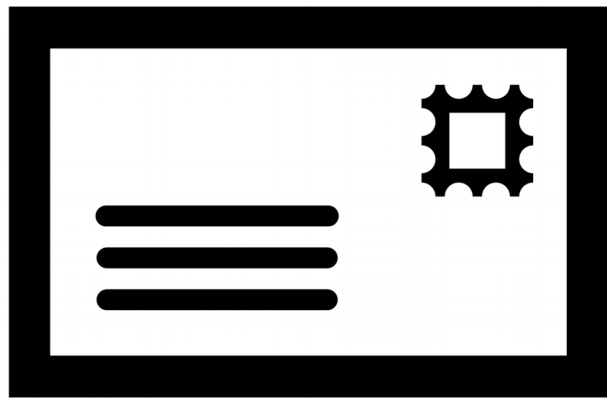
High economic impact

→ *Some studies indicate a 0.5 % impact on GDP !* ←





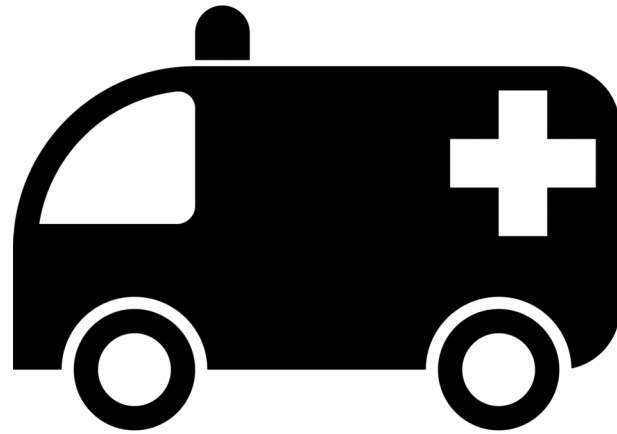
Address data : for who ?



Post Office / Delivery



Address data : for who ?

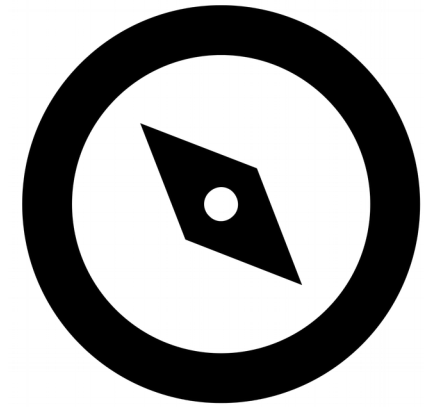
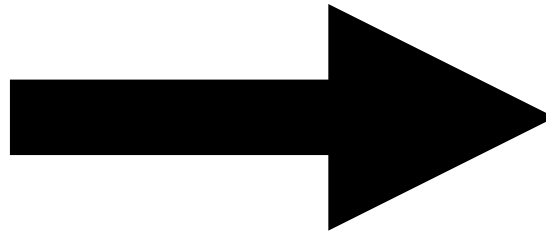
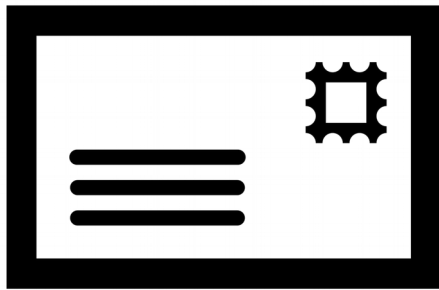


Emergency & Rescue





Address data : for who ?

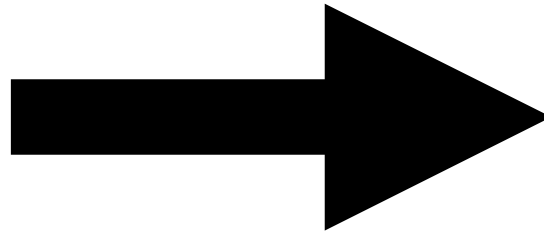
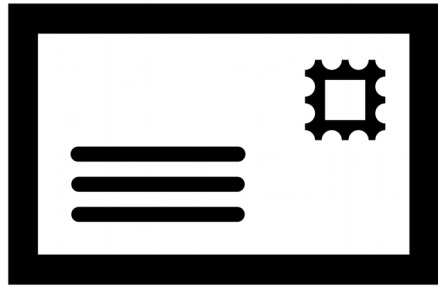


Start / end point for route calculation...





Address data : for who ?



Geocoding : brings non geospatial data
into the geospatial world....





Available open data in France

A few open datasets in major cities...

Lyon, Toulouse, Montpellier, Rennes, Strasbourg, Mulhouse...

→ only 7.5 % of France coverage

OpenStreetMap addresses ?

→ Less than 10 % of France coverage

→ *No global national open dataset available ←*





Available « closed » data in France

Many different datasets

- *Post Office (La Poste has 4 datasets!)*
- *National Geographic Institute (IGN)*
- *Electricity/Gaz company (ErDF, GrDF)*
- *Phone operators... (Orange, etc)*
- *Private companies...*

→ *Minimal collaboration... None of good quality !* ←





OpenStreetMap France starts its « BANO » project...

BANO

January 2014 : first scripts tests to collect data

April 2014 : BANO project explained during OSM France annual conference in Paris

May 2014 : First datasets published made of

- **OpenStreetMap** address data
- **opendata** from major cities
- Addresses extracted automatically from **cadastre** data (1.3M pdf files downloaded and processed in 10 days !)





BANO coverage...

OpenStreetMap

opendata

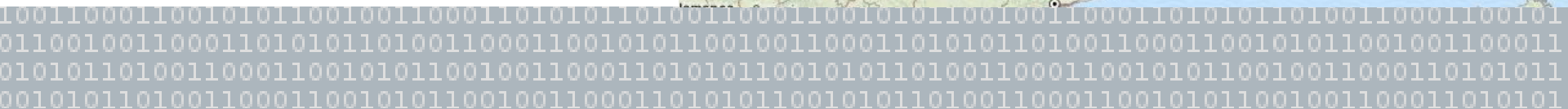
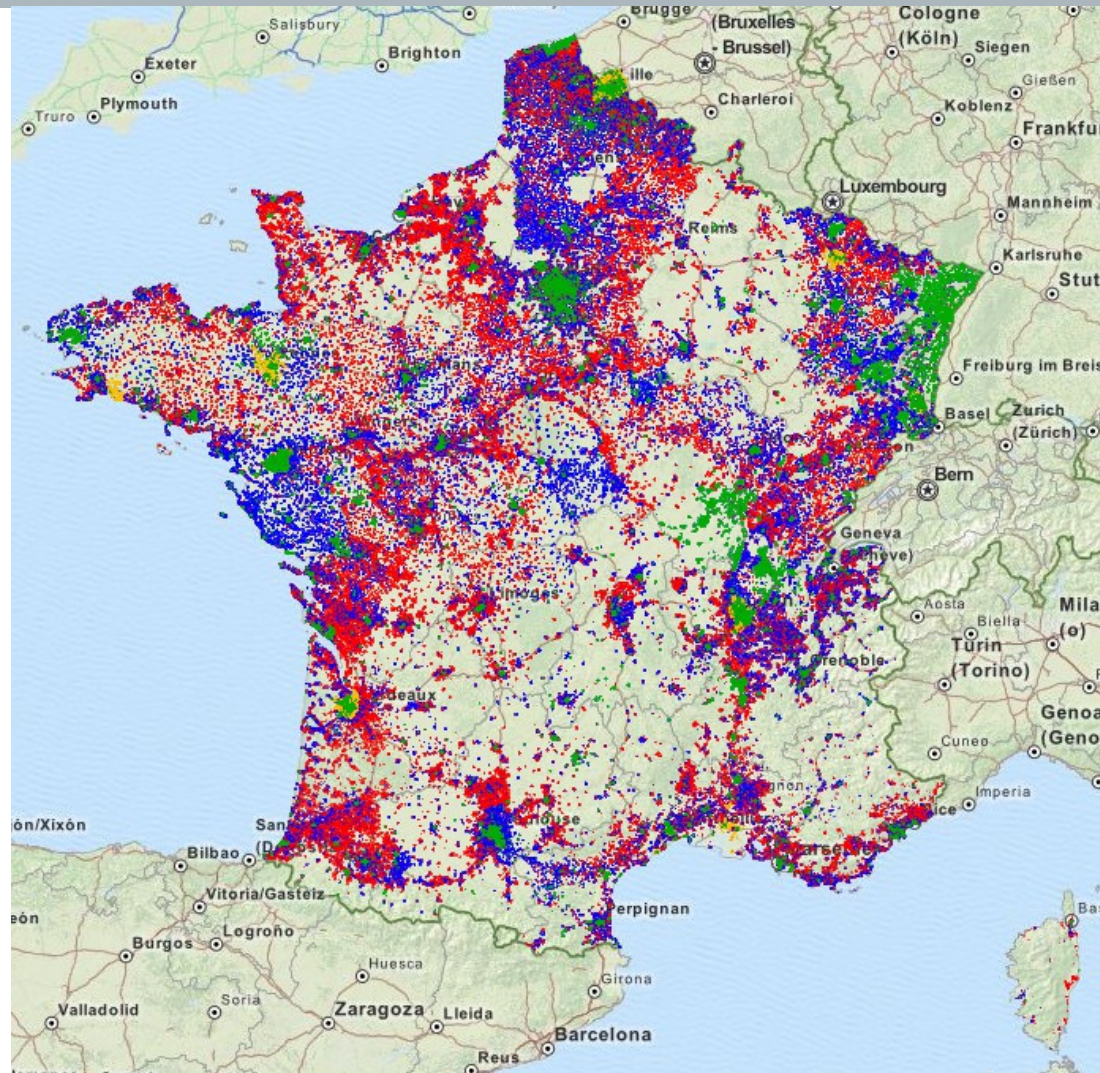
cadastre + OSM

cadastre only

Hosted by :



OpenStreetMap France





BANO data...

Nearly 20M locations (90 % population covered)

→ 15.2M addresses points, 3.8M named places, 1M street / municipalities locations

Data updated and published nightly by OpenStreetMap-France

→ CSV files, Shapefile, RDF (turtle) for the semantic web (W3C/ISA/INSPIRE ontology)

Data under ODbL 1.0 licence

Also available on data.gouv.fr french national opendata portal...



data.gouv.fr





BANO future...



+

etalab ^{gouv.fr}



data.gouv.fr

+

IGN

INSTITUT NATIONAL
DE L'INFORMATION
GÉOGRAPHIQUE
ET FORESTIÈRE

=

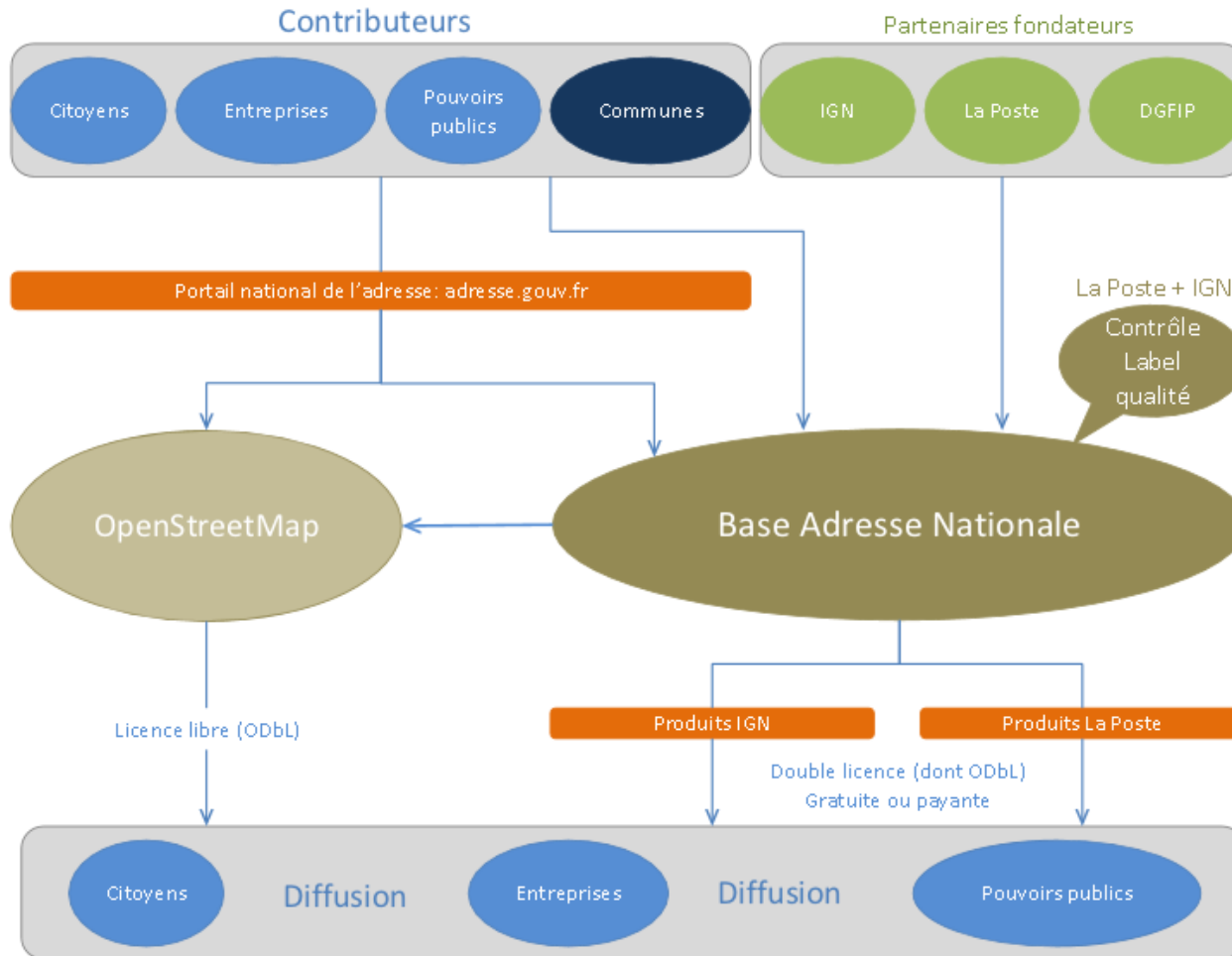
National (Open) Address Database





National Address Database

(to be announced)





BANO future...

Support from Etalab (data.gouv.fr) to go further...

- First step towards a real key national (open) dataset
- Definition of unique nationwide address identifiers
- Work closer with government agencies (IGN, DGFIP, etc)
- Web interface to simplify error reporting and fixing

etalab gouv.fr



BANO benefit for OSM

- Shows where streets and streetnames are missing
- More than 100.000 streetnames added since May (rate doubled thank to BANO)





Questions ?



@projetBANO / bano@openstreetmap.fr



@cq94 / cquest@openstreetmap.fr

etalab^{gouv.fr}



christian.quest@data.gouv.fr

