



UNIVERSITÉ DE  
NEUCHÂTEL



# ATELIER 9 - Données et cartographie

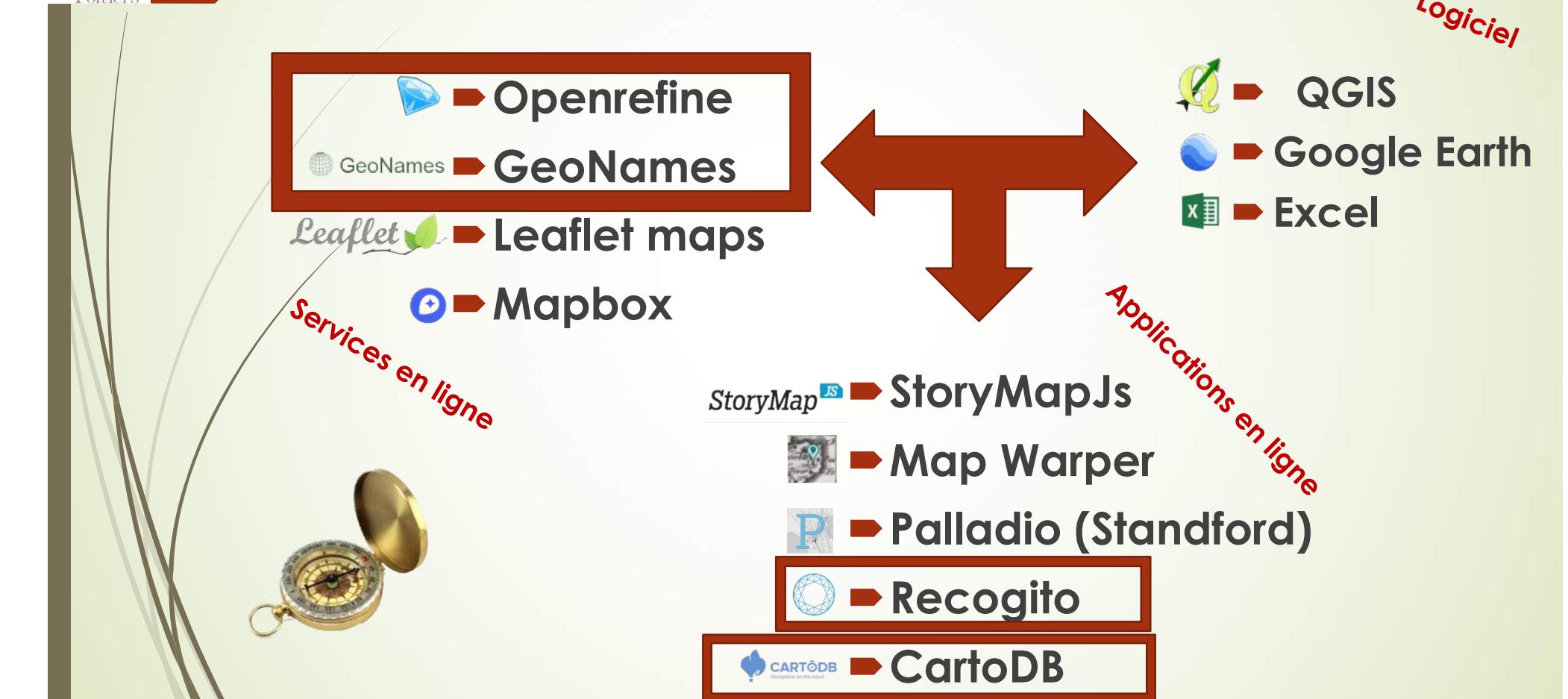
Formation en philologie numérique: **encoder, exploiter, diffuser.**

Giovanni Pietro Vitali

Université de Poitiers

[giovannipietrovitali@gmail.com](mailto:giovannipietrovitali@gmail.com)

# Les outils



# Le travail d'un cartographe numérique

Récolte des textes

CORP

Récolte des données

DATASET

MAPPING

Carte



# Qu'est-ce qu'une carte?



Je vous présente M. Matrakçı Nasuh homme d'état de l'Empire Ottoman qui a été:

- ▶ enseignant,
- ▶ historien,
- ▶ marin,
- ▶ inventeur,
- ▶ fermier,
- ▶ **mathématicien**,
- ▶ **géographe**,
- ▶ **cartographe**,
- ▶ **peintre**,
- ▶ et **miniaturiste**.

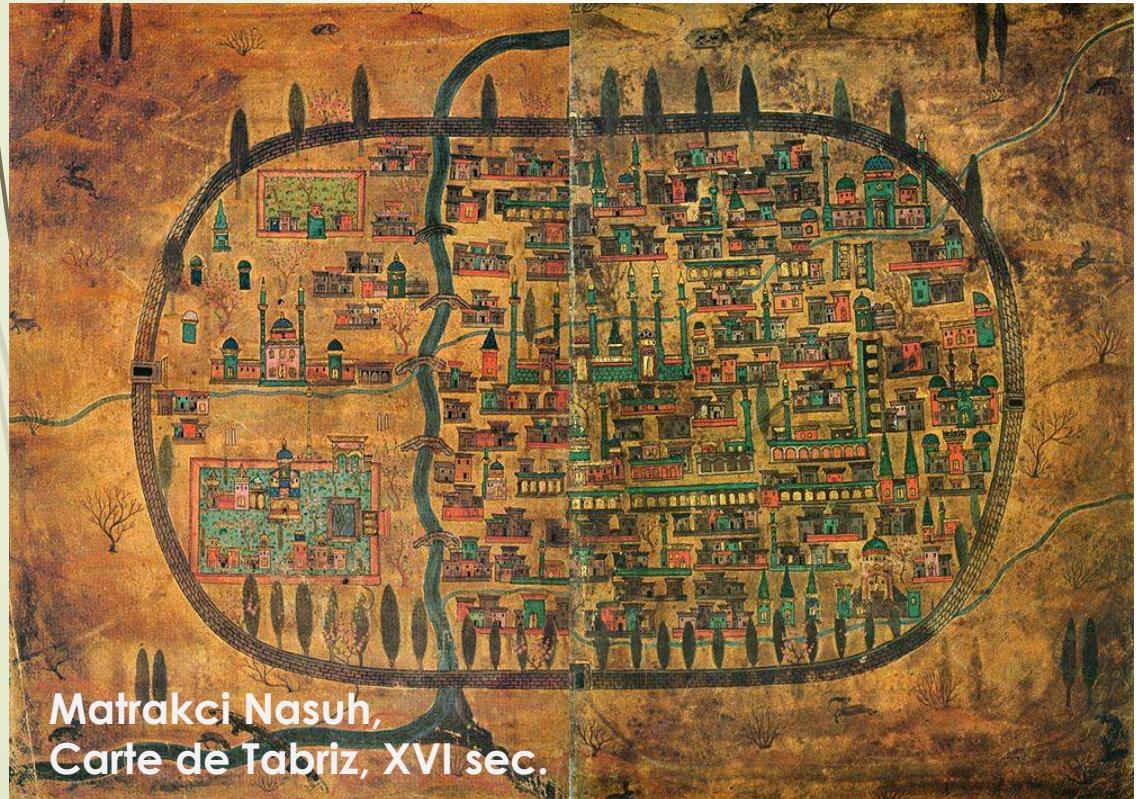
# Istanbul - Turquie



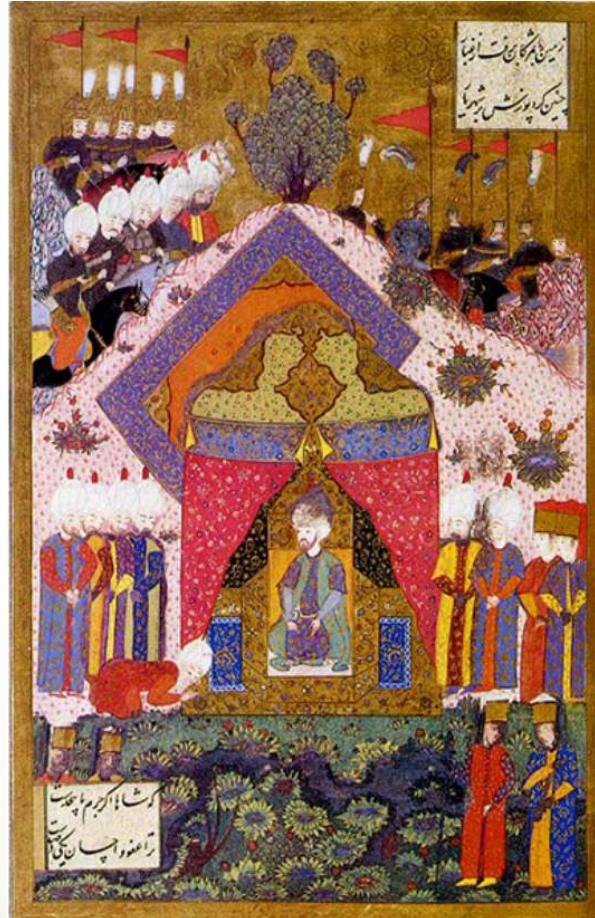
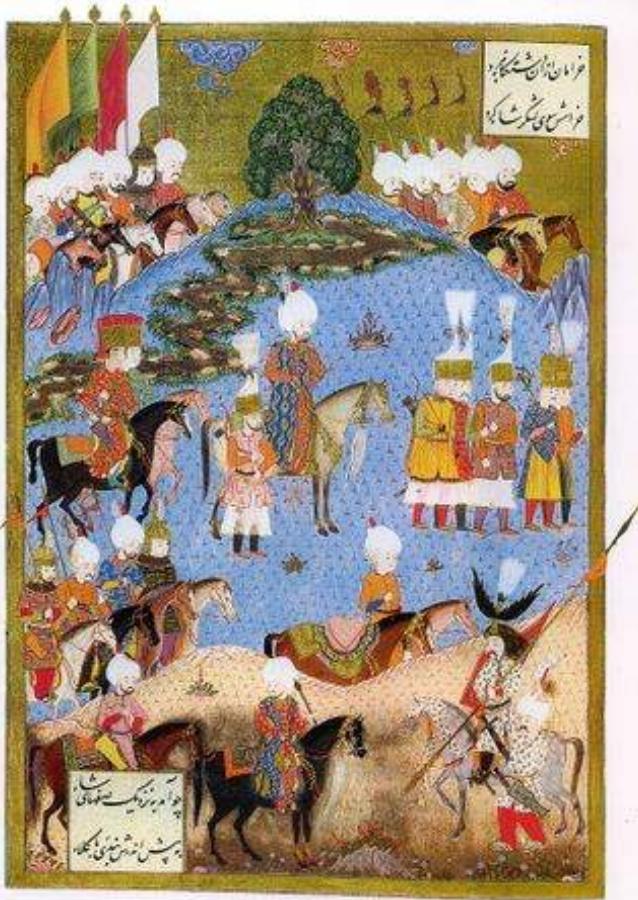
# Soltaniyeh - Iran



# Tabriz - Azerbaïdjan iranien



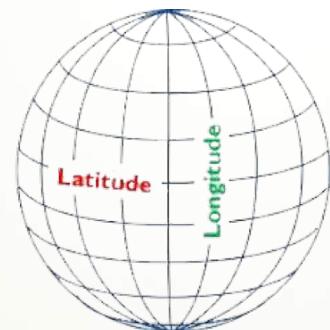
# Qu'est-ce qu'une carte?



# Que peut-on faire avec une carte numérique?



► Représenter des données géographiques

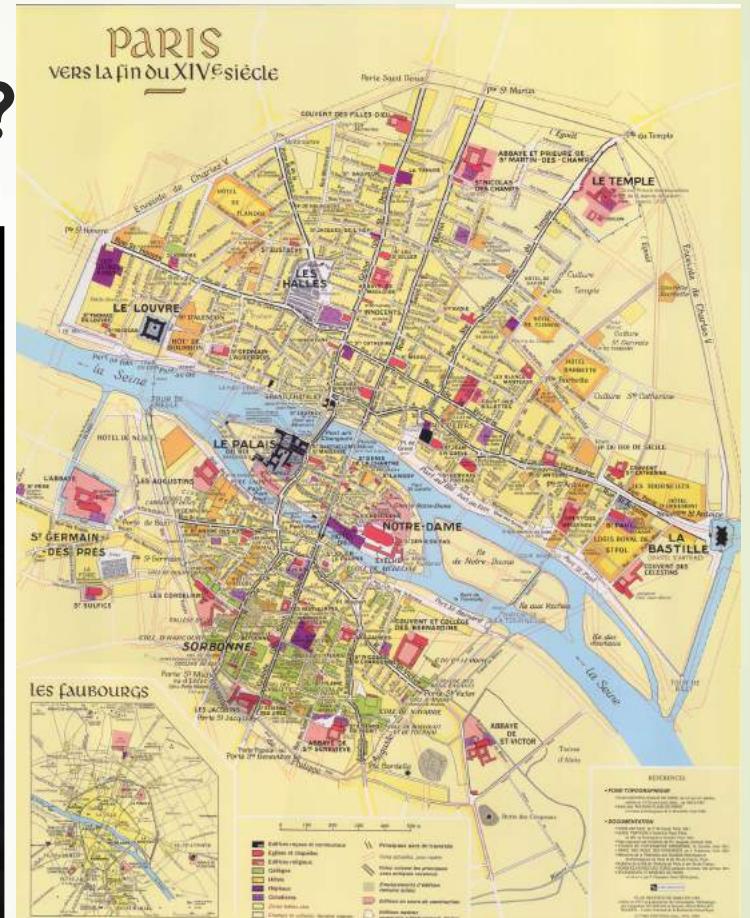


Il faut partir des coordonnées



► Pour les relier à d'autres types de données

# Que peut-on faire avec une carte numérique?



# Obtenir des coordonnées

► Google Maps 

 Google Maps

► Recogito 

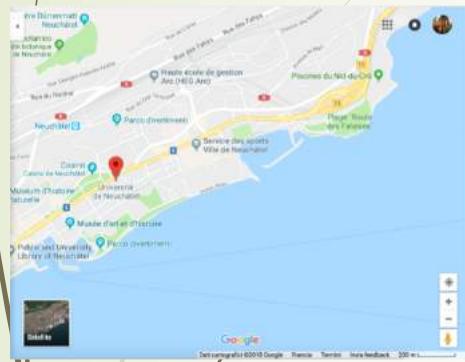
► OpenRefine + Geonames   GeoNames

# Google Maps

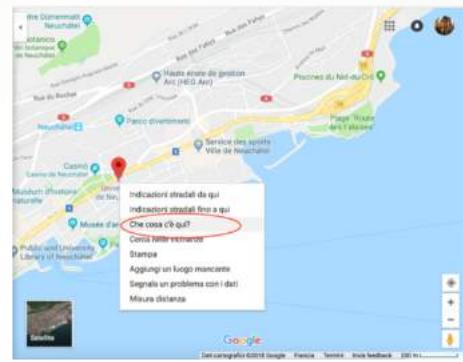


<https://maps.google.com/>

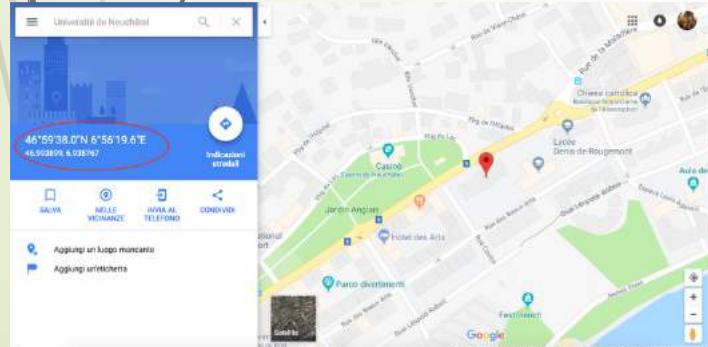
## Google Maps



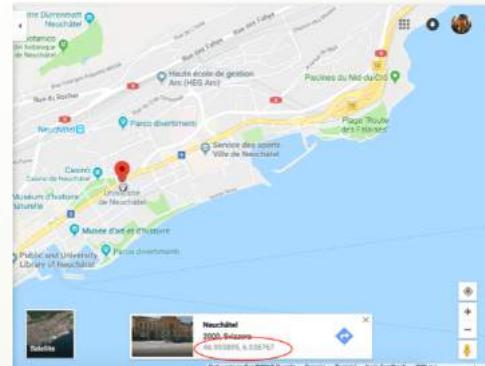
Clic  
droit



Cliquer sur « qu'est-ce  
qu'il y a ici »?



Clic  
gauche



## Exercice n° 1

- Charger un corpus
- Tagger les lieux
- Tagger les personnes
- Exporter et traiter avec excel

## Exercice n° 2

- ▶ Prendre une liste de toponymes sur Excel
- ▶ Trouver les coordonnées automatiquement
  
- ▶ Étape 1 – Ouvrir un compte sur Geonames :  
<http://www.geonames.org/>
- ▶ Étape 2 – Télécharger et ouvrir un compte sur OpenRifine : <http://openrefine.org>

# OpenRefine – Ouvrir un projet



A power tool for

Create Project

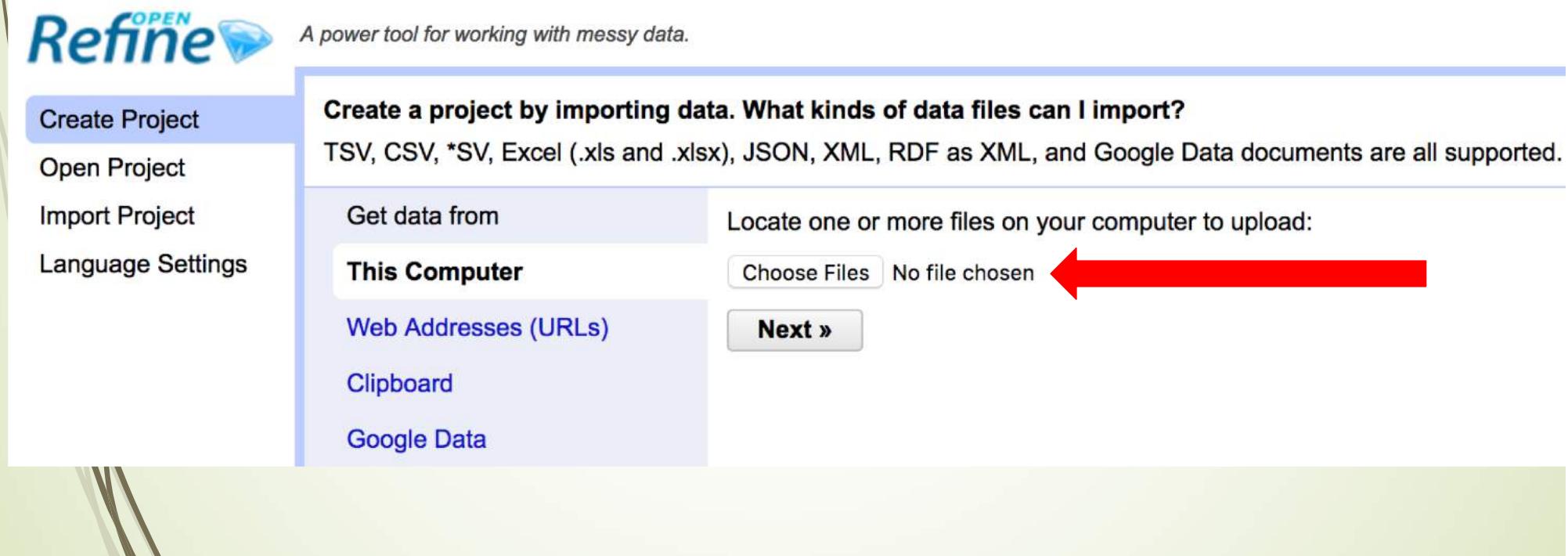
Open Project

Import Project

Language Settings



# OpenRefine – Téléverser un fichier



The screenshot shows the OpenRefine interface with a sidebar on the left and a main content area on the right.

**Sidebar (Left):**

- Create Project (selected)
- Open Project
- Import Project
- Language Settings

**Main Content Area (Right):**

**Header:** A power tool for working with messy data.

**Title:** Create a project by importing data. What kinds of data files can I import?

Text: TSV, CSV, \*SV, Excel (.xls and .xlsx), JSON, XML, RDF as XML, and Google Data documents are all supported.

**Get data from:**

- This Computer (selected)
- Web Addresses (URLs)
- Clipboard
- Google Data

Text: Locate one or more files on your computer to upload:

Buttons: Choose Files (highlighted with a red arrow) and No file chosen.

Text: Next »

# OpenRefine – Révision du tableau

OPEN Refine A power tool for working with messy data.

Create Project    « Start Over    Configure Parsing Options    Project name locations example xls    Create Project »

	Death date	Death place	Birth date	Birth place	geoURL	Marriage date	Marrige place	Column	m / f
Open Project			1780	Aach, Eifel, Germany		6 DEC 1805	Aach, Eifel, Germany		m
Import Project	1.		1785	Trittenheim, Germany	49.82471,6.89929	6 DEC 1805	Aach, Eifel, Germany		f
Language Settings	2.								
	3. 25 NOV 1854	Wesel, Germany	FEB 1779	Solingen, Germany	51.17343,7.0845	5 NOV 1803	Alt-Buederich, Germany(near Wesel)		f
	4. 31 MAR 1851	Wesel, Germany	5 NOV 1781	Alt Buederich, Germany		5 NOV 1803	Alt-Buederich, Germany(near Wesel)		m
	5. AFT 1831	Wachenheim, Germany / probably	15 JAN 1778	Bad Drkheim, Germany		3 AUG 1803	Bad Drkheim, Germany		m
	6. 1827	Bad Drkheim, Germany	27 NOV 1782	Mannheim, Germany	49.4891,8.46694	3 AUG 1803	Bad Drkheim, Germany		f
	7. 28 NOV 1847	Bettendorf am Rhein, Germany	1798	Morken/bedborg, Near Cologne, Germany		9 AUG 1820	Baesweiler, Germany		f
	8. 13 OCT 1863	Bettendorf am Rhein, Germany	1795	Bettendorf Am Rhein, Germany		9 AUG 1820	Baesweiler, Germany		m
	9. 17 NOV 1843	BECKUM,GERMANY	21 JAN 1777	Rheda,germany	51.84967,8.30017	15 MAY 1810	BECKUM,GERMANY		m
	10. 23 MAR 1842	BECKUM,GERMANY	22 MAY 1784	Ahlen,germany	51.76338,7.8887	15 MAY 1810	BECKUM,GERMANY		f
	11.		1784	Bergweiler, Eifel, Germany		15 APR 1809	Bergweiler, Eifel, Germany		m
	12.		1780	Schweich, Germany	49.82215,6.75256	15 APR 1809	Bergweiler, Eifel, Germany		f
	13. 26 SEP 1838	Berlin GERMANY	15 JUL	Halle Germany	51.48158,11.97947	17 JUN 1821	Berlin GERMANY		m

Parse data as    Update Preview

Excel files    Worksheets to Import     1800 1825 Copy.xlsx    403 rows

Ignore first    0 line(s) at beginning of file     Store blank rows  
 Parse next    1 line(s) as column headers     Store blank cells as nulls  
 Discard initial    0 row(s) of data     Store file source  
 Load at most    0 row(s) of data    (file names, URLs)  
in each row

Red arrow pointing to the "Excel files" option in the "Parse data as" dropdown menu.

# OpenRefine – Contrôler les données

Show as: rows records   Show: 5 10 25 50 rows   « first < previous 1 - 50 next > last »

	msID	Code	City	HebCity	Area	Country	HebCountry	locationType	local_uri	viaf_id	nationality	lat	lng
1.	000040003	968	Facet ▶	Text facet					אשכין				
2.	000040004	751		Text filter		בלארוס		place of writing	Minsk.Belarus	154760598	Belarus	53.9	27.56667
3.	000040004	751		Edit cells				place of writing	Russia	126068989	Russian Federation	40.23449	-84.40939
4.	000040005	751		Edit column		פולין		place of writing	Węgrów.Poland	152518610	Poland	52.39891	22.01793
5.	000040008	751		Transpose		בלארוס		place of writing	Hrodna.Belarus	139563518	Belarus	53.6884	23.8258
6.	000040008	751		Sort...		ליטא		place of writing	Lithuania	125422022	Lithuania	55.41667	24
7.	000040008	751		View		פולין		place of writing	Poland	141810140	Poland	43.22562	-75.06127
8.	000040009	751		Customized facets ▶		ישראל		related place	Israel	146498911	Israel	31.5	34.75
9.	000040010	751		Reconcile ▶			איטליה	place of writing	Modena.Italy	130110243	Italy	44.64783	10.92539
10.	000040010	751		Extract named entities...			איטליה	place of writing	Italy	152361066	Italy	42.61174	-77.29192
11.	000040011	751		New York			איטליה	place of writing	Italy	152361066	Italy	42.61174	-77.29192
12.	000040012	751			N.Y.			place of writing	New York.N.Y.	266415900	United States	40.71427	-74.00597

# OpenRefine – Trouver les coordonnées 1

Birth date	Birth place	location	Marriage date	Marrige place	geodeath
1780.0	Aach, Eifel, Germany		6 DEC 1805		
1785.0	Trittenheim, Germany	49.82471,6.89929	6 DEC 1805		
FEB 1779	Solingen, Germany	51.17343,7.0845	5 NOV 1803		
5 NOV 1781	Alt Buederich, Ger (near Wesel)				
15 JAN 1778	Bad Drkheim, Ger				
27 NOV 1782	Mannheim, Germa				
1798.0	Morken/Bedborg, r Cologne, Germany				
1795.0	Bettendorf am Rhe Germany				
21 JAN 1777	RHEDA,GERMAN				
22 MAY 1784	AHLEN,GERMAN				

Split into several columns...

Add column based on this column...

Add column by fetching URLs...

Rename this column

Remove this column

Move column to beginning

Move column to end

Move column left

Move column right

# OpenRefine – Trouver les coordonnées 2

Add column by fetching URLs based on column Marrige place

New column name: geoData      Throttle delay: 5000 milliseconds

On error:  set to blank  store error

Formulate the URLs to fetch:

Expression: `'http://api.geonames.org/searchJSON?q=' + value.split(" ").join("%20") + '&orderby=relevance&maxRows=1&username=yaeln'`      Language: General Refine Expression Language (GREL)      No syntax error.

Preview

row	value	URL
1.	Aach, Eifel, Germany	<code>http://api.geonames.org/searchJSON?q=Aach,%20Eifel,%20Germany&amp;orderby=relevance&amp;maxRows=1&amp;username=yaeln</code>
2.	Aach, Eifel, Germany	<code>http://api.geonames.org/searchJSON?q=Aach,%20Eifel,%20Germany&amp;orderby=relevance&amp;maxRows=1&amp;username=yaeln</code>
3.	Alt-Buederich, Germany(near Wesel)	<code>http://api.geonames.org/searchJSON?q=Alt-Buederich,%20Germany(near%20Wesel)&amp;orderby=relevance&amp;maxRows=1&amp;username=yaeln</code>
4.	Alt-Buederich	<code>http://api.geonames.org/searchJSON?q=Alt-</code>

OK Cancel



## OpenRefine – Trouver les coordonnées 3

```
'http://api.geonames.org/searchJSON?q=' +  
value.split(" ").join("%20") +  
'&orderby=relevance&maxRows=1&userna  
me=yourname'
```

Il faut avoir un compte Geonames  
<http://www.geonames.org/>

# OpenRefine – Trouver les coordonnées 4

Marrige place	geoData
Aach, Eifel, Germany	{"totalResultsCount":0,"geonames":[]}
Aach, Eifel, Germany	{"totalResultsCount":0,"geonames":[]}
Alt-Buederich, Germany(near Wesel)	{"totalResultsCount":0,"geonames":[]}
Alt-Buederich, Germany(near Wesel)	{"totalResultsCount":0,"geonames":[]}
Bad Drkheim, Germany	{"totalResultsCount":0,"geonames":[]}
Bad Drkheim, Germany	{"totalResultsCount":0,"geonames":[]}
Baesweiler, Germany	{"totalResultsCount":10,"geonames": [{"adminCode1":"07","Ing":"6.18874","geonameId":2953302,"toponymName":"Baesweiler","countryId":"2921044","fcl":"P","population":1000,"fcodeName":"populated place","adminName1":"North Rhine-Westphalia","lat":50.90964,"lon":6.18874,"countryName":"Germany"}]}
Baesweiler, Germany	{"totalResultsCount":10,"geonames": [{"adminCode1":"07","Ing":"6.18874","geonameId":2953302,"toponymName":"Baesweiler","countryId":"2921044","fcl":"P","population":1000,"fcodeName":"populated place","adminName1":"North Rhine-Westphalia","lat":50.90964,"lon":6.18874,"countryName":"Germany"}]}
BECKUM,GERMANY	{"totalResultsCount":64,"geonames": [{"adminCode1":"07","Ing":"8.04075","geonameId":2951654,"toponymName":"Beckum","countryId":"2921044","fcl":"P","population":1000,"fcodeName":"populated place","adminName1":"North Rhine-Westphalia","lat":51.75571,"lon":8.04075,"countryName":"Germany"}]}
BECKUM,GERMANY	{"totalResultsCount":64,"geonames": [{"adminCode1":"07","Ing":"8.04075","geonameId":2951654,"toponymName":"Beckum","countryId":"2921044","fcl":"P","population":1000,"fcodeName":"populated place","adminName1":"North Rhine-Westphalia","lat":51.75571,"lon":8.04075,"countryName":"Germany"}]}

Aucun Résultat

# OpenRefine – Transformer la colonne 1

10 rows

Show as: [rows](#) [records](#)    Show: [5](#) [10](#) [25](#) [50](#) rows

**geoData**

- Facet
- Text filter
- Edit cells**
- Edit column
- Transpose
- Sort...
- View
- Reconcile
- Extract named entities...

Transform...

Common transforms

Fill down

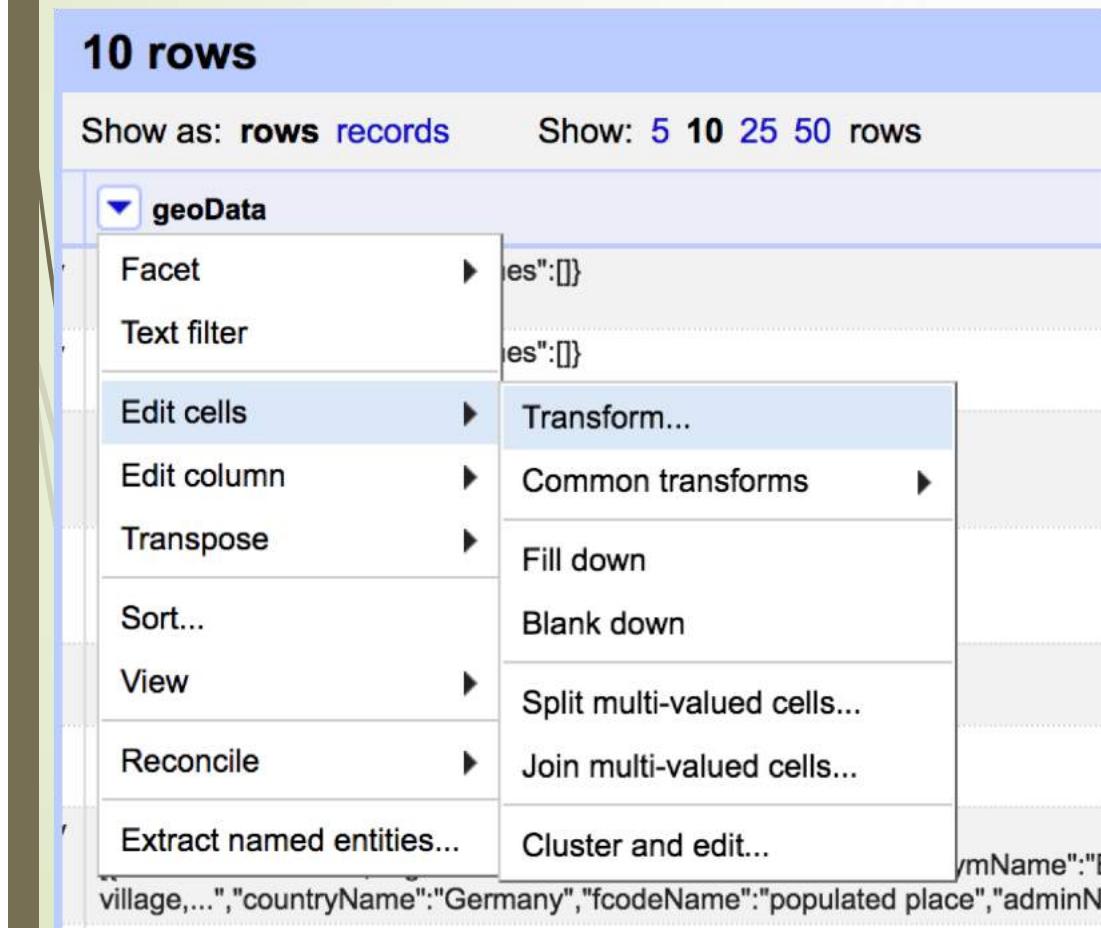
Blank down

Split multi-valued cells...

Join multi-valued cells...

Cluster and edit...

village,...", "countryName": "Germany", "fcodeName": "populated place", "adminN



## OpenRefine – Transformer la colonne 2

```
value.parseJson().geonames[0]["lat"] +  
" " +  
value.parseJson().geonames[0]["lng"]
```

## Custom text transform on column geoData

### Expression

Language General Refine Expression Language (GREL) 

No syntax error.

```
value.parseJson().geonames[0]["lat"] + "," + value.parseJson().geonames[0]  
["lng"]
```

### Preview

### History

### Starred

### Help

- |    |  |                  |
|----|--|------------------|
| 3. | {"totalResultsCount":0,"geonames":[]}  | null             |
| 4. | {"totalResultsCount":0,"geonames":[]}  | null             |
| 5. | {"totalResultsCount":0,"geonames":[]}  | null             |
| 6. | {"totalResultsCount":0,"geonames":[]}  | null             |
| 7. | {"totalResultsCount":10,"geonames":<br>[{"adminCode1":"07","lng":"6.18874","geoname":<br>"village,...","countryName":"Germany","fcode":<br>"place","adminName1":"North Rhine-<br>Westphalia","lat":"50.90964","fcode":"PPL"}]} | 50.90964,6.18874 |
| R  | /"totalResultsCount":10 "geonames":  | 50.90964,6.18874 |

On error

- keep original
- set to blank
- store error

Re-transform up to  times until no change

OK

Cancel



Marrige place	geoData
Aach, Eifel, Germany	
Aach, Eifel, Germany	
Alt-Buederich, Germany(near Wesel)	
Alt-Buederich, Germany(near Wesel)	
Bad Drkheim, Germany	
Bad Drkheim, Germany	
Baesweiler, Germany	50.90964,6.18874
Baesweiler, Germany	50.90964,6.18874
BECKUM,GERMANY	51.75571,8.04075
BECKUM,GERMANY	51.75571,8.04075

Open... Export Help

RDF

Export project

Tab-separated value

Comma-separated value

HTML table

Excel (.xls)

Excel 2007+ (.xlsx)

ODF spreadsheet

Triple loader

MQLWrite

Custom tabular exporter...

Templating...

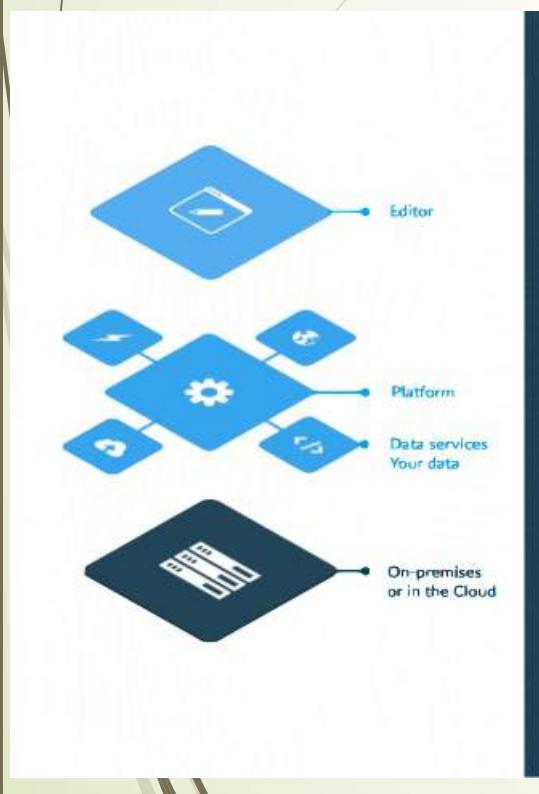
RDF as RDF/XML

RDF as Turtle

Exhibit

<https://carto.com/>

L'outil de cartographie numérique le plus simple et complet sur le web



## Components

1. Editor
2. Platform
1. SQL API
2. Maps API
3. CartoDB.js

CARTOJS

MAPS API

DATA API

IMPORT API



CARTO Giovanni Vitali / Maps ▾

GUIDES DOCUMENTATION



SEARCH



Your maps

Your datasets



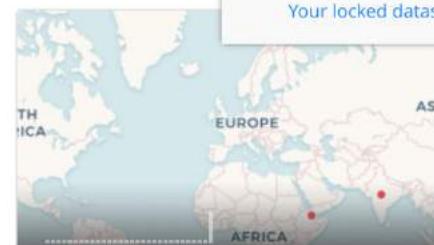
Your locked maps



Your locked datasets



NEW MAP



prova map 1

Add description...

Add tags...

PUBLIC

4 hours ago



prova map

Add description...

Add tags...

PUBLIC

4 hours ago



wkgp5bqhhushom map

Add description...

Add tags...

PUBLIC

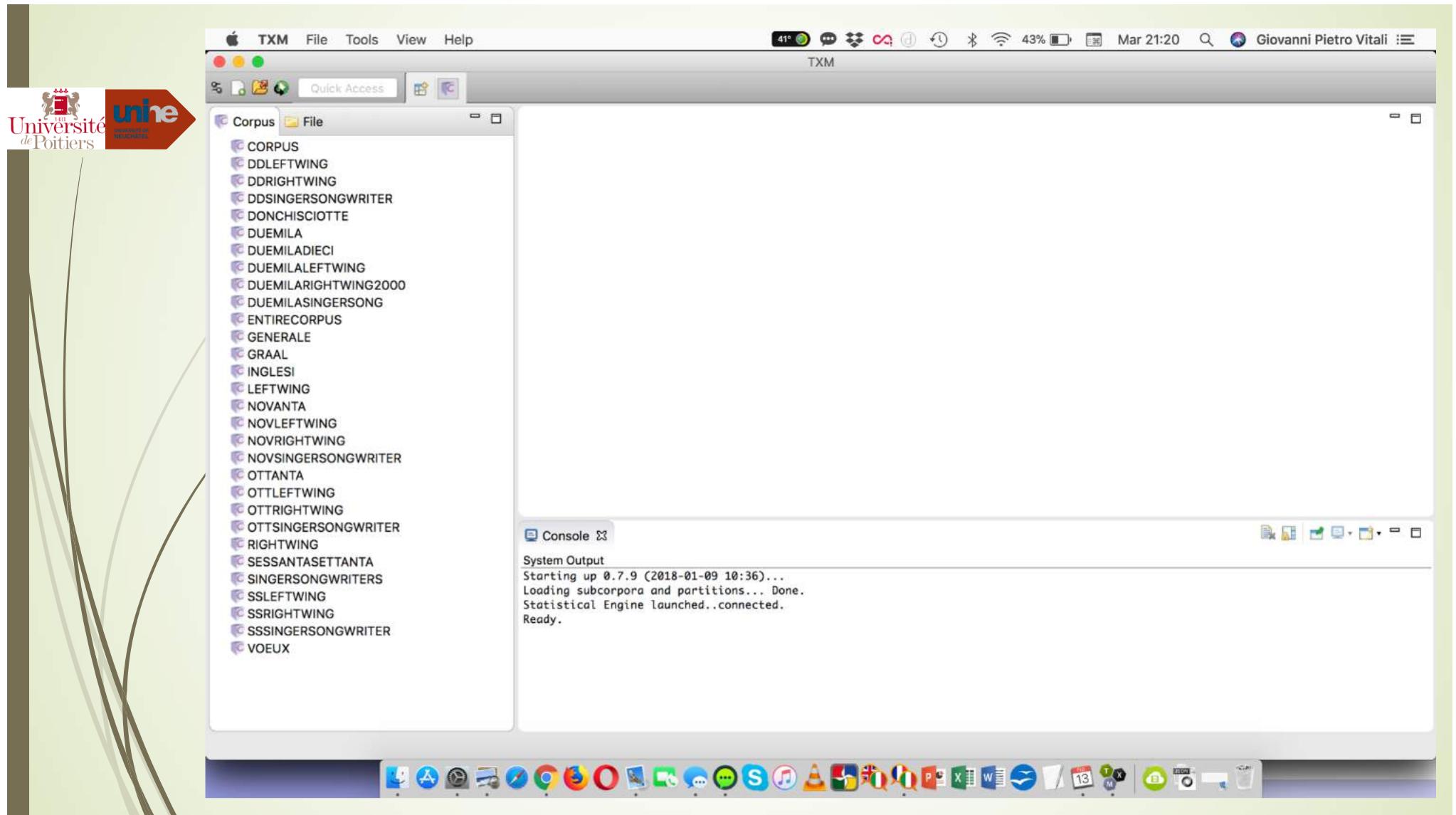
2 days ago

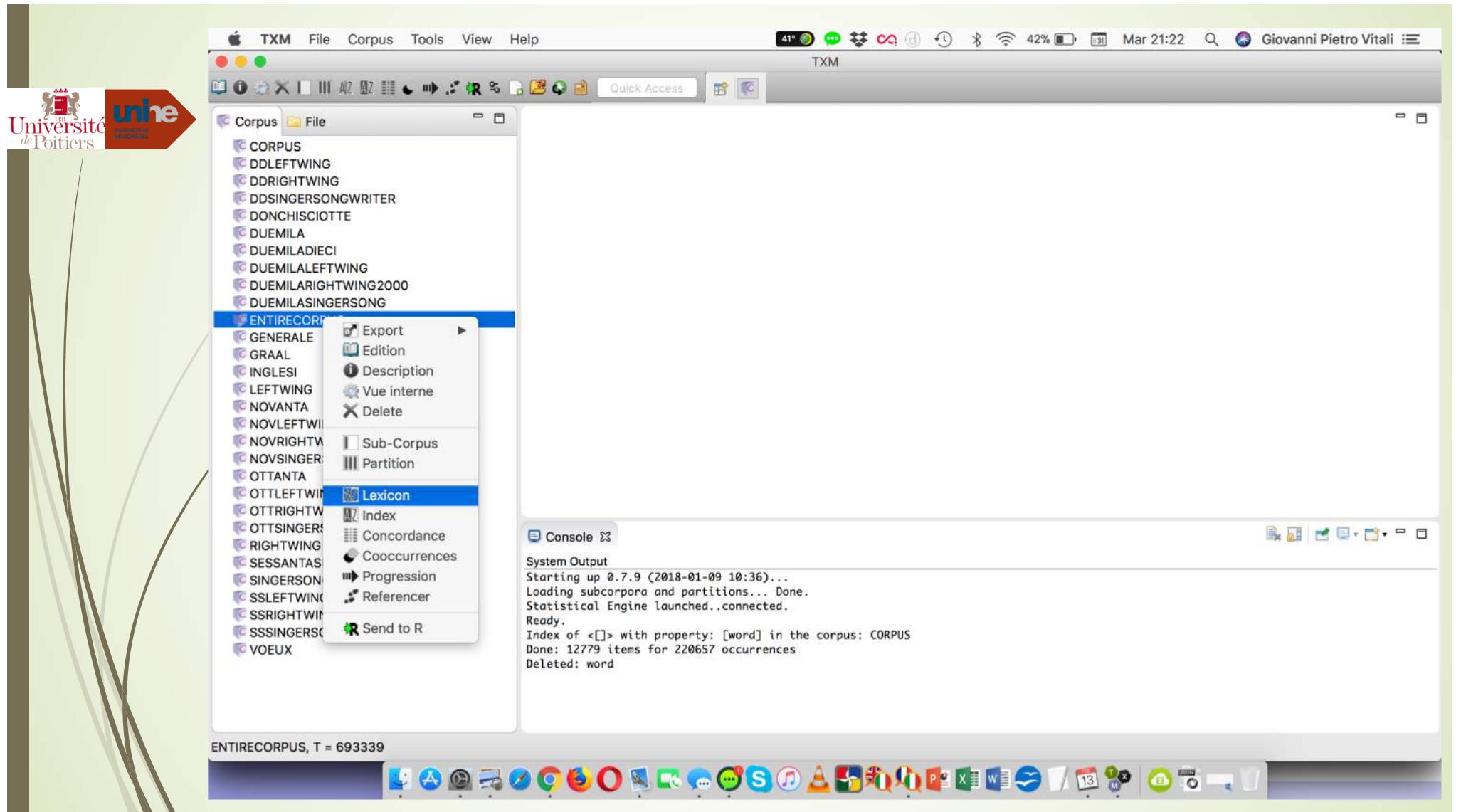


## Exercice n° 1a – Carte avec des pop-up



- ▶ Étape 1 – Ouvrir un compte sur Carto
- ▶ Étape 2 – Créer un DATASET adapté
- ▶ Étape 3 – Transformer le DATASET en carte
  
- ▶ <https://koine82.carto.com/embed?state=%7B%22map%22%3A%7B%22ne%22%3A%5B-54.36775852406839%2C-185.6250000000003%5D%2C%22sw%22%3A%5B83.15311098437887%2C233.43750000000003%5D%2C%22center%22%3A%5B43.32517767999296%2C23.906250000000004%5D%2C%22zoom%22%3A2%7D%7D>





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TXM

Quick Access

Corpus File

CORPUS  
DDLEFTWING  
DRIGHTWING  
DDSINGERSONGWRITER  
DONCHISCIOTTE  
DUEMILA  
DUEMILADIECI  
DUEMILALEFTWING  
DUEMILARIGHTWING2000  
DUEMILASINGERSONG

ENTIRECORPUS

All word  
GENERALE  
GRAAL  
INGLESI  
LEFTWING  
NOVANTA  
NOVLEFTWING  
NOVRIGHTWING  
NOVSINGERSONGWRITER  
OTTANTA  
OTLEFTWING  
OTRIGHTWING  
OTTSINGERSONGWRITER  
RIGHTWING  
SESSANTASETTANTA  
SINGERSONGWRITERS  
SSLEFTWING  
SSRIGHTWING  
SSSINGERSONGWRITER  
VOEUX

AZ ENTIRECORPUS: []:word

Properties: word Edit Search

Thresholds: Fmin: 1 Fmax: 9999999 Vmax: 9999999 Page size: 100

1 -100 / 40236

t693339 ,v40236 ,fmin1 ,fmax48413

Display options

itemlemma word

Cancel OK

Console

System Output

Starting up 0.7.9 (2018-01-09 10:36)...  
Loading subcorpora and partitions... Done.  
Statistical Engine launched..connected.  
Ready.  
Index of <[]> with property: [word] in the corpus: CORPUS  
Done: 12779 items for 220657 occurrences  
Deleted: word  
Index of <[]> with property: [word] in the corpus: ENTIRECORPUS  
Done: 40236 items for 693339 occurrences

Done: 40236 items for 693339 occurrences

41° 42% Mar 21:22 Giovanni Pietro Vitali

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TXM File Tools View Help

Quick Access

Corpus

- CORPUS
- DDLEFTWING
- DDRIGHTWING
- DDSINGERSONGWRITER
- DONCHISCIOTTE
- DUEMILA
- DUEMILADIECI
- DUEMILALEFTWING
- DUEMILARIGHTWING2000
- DUEMILASINGERSONG
- ENTIRECORPUS
  - itpos
  - word
  - GENERALE
  - GRAAL
  - INGLESI
  - LEFTWING
  - NOVANTA
  - NOVLEFTWING
  - NOVRIGHTWING
  - NOVSINGERSONGWRITER
  - OTTANTA
  - OTTLEFTWING
  - OTTRIGHTWING
  - OTTSINGERSONGWRITER
  - RIGHTWING
  - SESSANTASETTANTA
  - SINGERSONGWRITERS
  - SSLEFTWING
  - SSRIGHTWING
  - SSSINGERSONGWRITER
  - VOEUX

Properties: itpos Edit Search

Thresholds: Fmin: 1 Fmax: 9999999 Vmax: 9999999 Page size: 100

1 - 37 / 37 t693339 , v37 , fmin1 , fmax150704

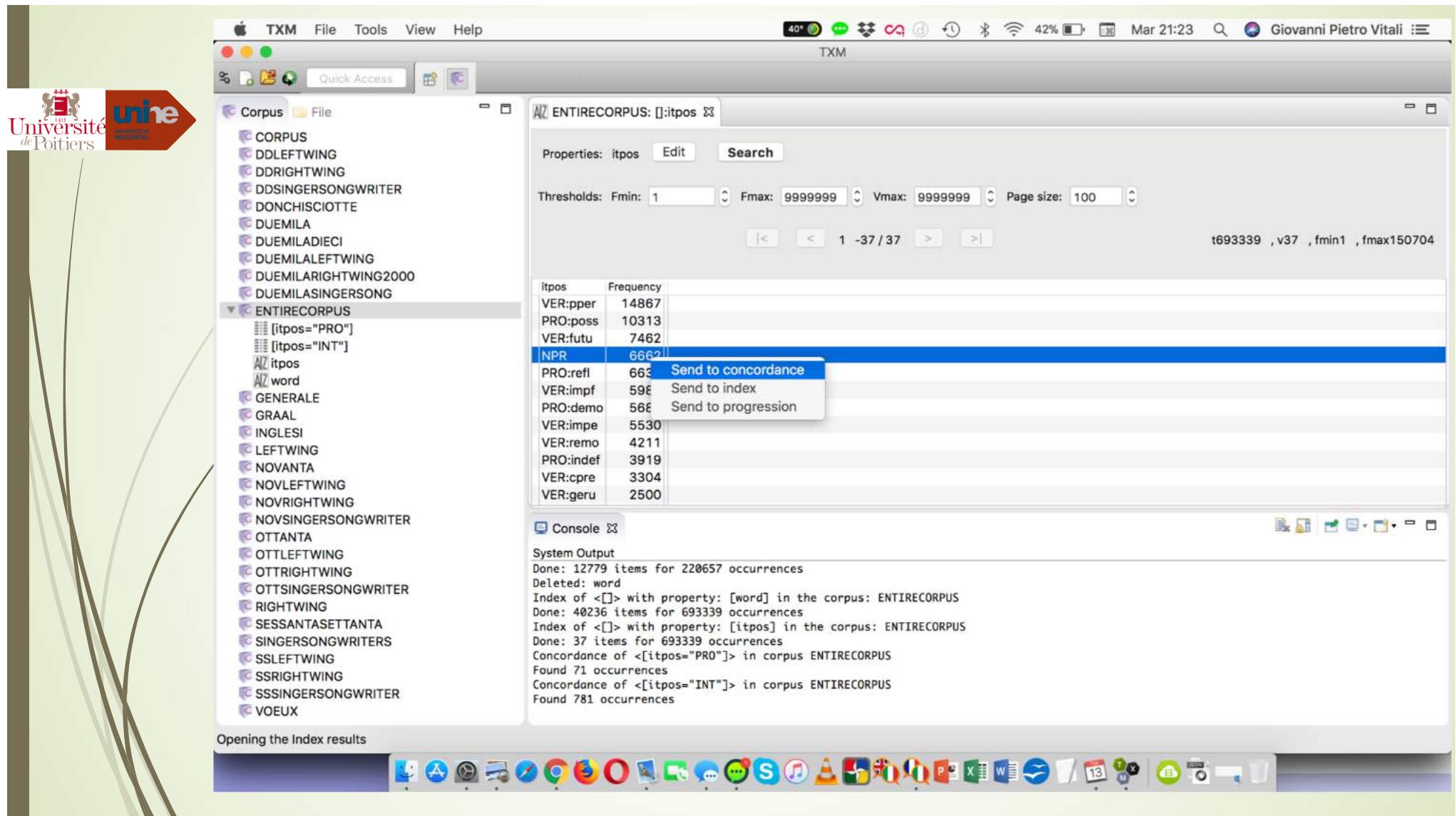
itpos	Frequency
NOM	150704
PON	58281
PRE	53530
VER:pres	51721
ADV	46776
ADJ	44495
DET:def	44363
CON	37536
SENT	27190
PRE:det	25853
PRO:pers	20250
VER:infi	19036

Console

System Output

Loading subcorpora and partitions... Done.  
Statistical Engine launched..connected.  
Ready.  
Index of <[]> with property: [word] in the corpus: CORPUS  
Done: 12779 items for 220657 occurrences  
Deleted: word  
Index of <[]> with property: [word] in the corpus: ENTIRECORPUS  
Done: 40236 items for 693339 occurrences  
Index of <[]> with property: [itpos] in the corpus: ENTIRECORPUS  
Done: 37 items for 693339 occurrences

Done: 37 items for 693339 occurrences



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TXM File Tools View Help

ENTIRECORPUS: []:itpos ENTIRECORPUS:[itpos="NPR"]

Query: [itpos="NPR"] Keyword: word Edit Search

sort keys: #1 None #2 None #3 None #4 None Sort

text\_id Left context Keyword Right context

270bis	appuntamento, brucerò per un minuto, sarò	Dio	per un momento, nella notte la pelle brucia ed il vento
270bis	Ti pavoneggi con la tuta blu, piccolo	John	Rambo di città, tra te e un coatto di periferia sai
270bis	pavoneggi con la tuta blu, piccolo John	Rambo	di città, tra te e un coatto di periferia sai dirmi
270bis	, i nostri corpi dalle iene di Ariel	Sharon	! Ma tra le dune sorge il mitra di Settembre Nero!
270bis	tra le dune sorge il mitra di Settembre	Nero	! Sulla Palestina ora rivive lo spirito guerriero! Troppo ci pesava
270bis	sorge il mitra di Settembre Nero! Sulla	Palestina	ora rivive lo spirito guerriero! Troppo ci pesava il bastone da
270bis	latte delle madri ora esplode negli aerei della	El	Al. Troppo ci pesava portare sulla schiena il dominio di una
270bis	delle madri ora esplode negli aerei della El	Al	. Troppo ci pesava portare sulla schiena il dominio di una razza
270bis	tra le dune sorge il mitra di Settembre	Nero	! Sulla Palestina ora rivive lo spirito guerriero! Gridano: «
270bis	sorge il mitra di Settembre Nero! Sulla	Palestina	ora rivive lo spirito guerriero! Gridano: «Shalom!»
270bis	ai moribondi, queste sono le leggi di	Mosè	, ma a noi indicò Maometto la strada da seguire, il
270bis	Maometto la strada da seguire, il nostro	Allah	si onora col titolo, a chi predica la pace massacrando la

Console

System Output

```
Index of <[]> with property: [word] in the corpus: ENTIRECORPUS
Done: 40236 items for 693339 occurrences
Index of <[]> with property: [itpos] in the corpus: ENTIRECORPUS
Done: 37 items for 693339 occurrences
Concordance of <[itpos="PRO"]> in corpus ENTIRECORPUS
Found 71 occurrences
Concordance of <[itpos="INT"]> in corpus ENTIRECORPUS
Found 781 occurrences
Concordance of <[itpos="NPR"]> in corpus ENTIRECORPUS
Found 6662 occurrences
```

Found 6662 occurrences

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TXM File Corpus Tools View Help 40° 42% Mar 21:24 Giovanni Pietro Vitali

TXM

Corpus File

ENTIRECORPUS: []:itpos ENTIRECORPUS:[itpos="NPR"]

Query: [itpos="NPR"] Keyword: word Edit Search

sort keys: #1 None #2 None #3 None #4 None Sort Hide settings

text_id	Left context	Keyword	Right context
270bis	appuntamento, brucerò per un minuto, sarò	Dio	per un momento, nella notte la pelle brucia ed il vento
270bis	Ti pavoneggi con la tuta blu, piccolo pavoneggi con la tuta blu, piccolo John	John	Rambo di città, tra te e un coatto di periferia sai
	, i nostri corpi dalle iene di Ariel	Rambo	di città, tra te e un coatto di periferia sai dirmi
270bis	tra le dune sorge il mitra di Settembre	Sharon	! Ma tra le dune sorge il mitra di Settembre Nero!
270bis	sorge il mitra di Settembre Nero! Sulla	Nero	! Sulla Palestina ora rivive lo spirito guerriero! Troppo ci pesava
270bis	latte delle madri ora esplode negli aerei della	Palestina	ora rivive lo spirito guerriero! Troppo ci pesava il bastone da
270bis	delle madri ora esplode negli aerei della El	El	Al. Troppo ci pesava portare sulla schiena il dominio di una
270bis	tra le dune sorge il mitra di Settembre	Nero	. Troppo ci pesava portare sulla schiena il dominio di una razza
270bis	sorge il mitra di Settembre Nero! Sulla	Palestina	! Sulla Palestina ora rivive lo spirito guerriero! Gridano: «
270bis	ai moribondi, queste sono le leggi di	Mosè	ora rivive lo spirito guerriero! Gridano: «Shalom!»
270bis	Maometto la strada da seguire, il nostro	Allah	, ma a noi indicò Maometto la strada da seguire, il
			si onora col titolo, a chi predica la pace massacrando la

Data... Export Delete Cooccurrences Send to R

Console

System Output

```
Index of <[]> with property: [itpos] in the corpus: ENTIRECORPUS
Done: 37 items for 693339 occurrences
Concordance of <[itpos="PRO"]> in corpus ENTIRECORPUS
Found 71 occurrences
Concordance of <[itpos="INT"]> in corpus ENTIRECORPUS
Found 781 occurrences
Concordance of <[itpos="NPR"]> in corpus ENTIRECORPUS
Found 6662 occurrences
Deleted: ENTIRECORPUS:[itpos="INT"]
Deleted: ENTIRECORPUS:[itpos="PRO"]
```

ENTIRECORPUS:[itpos="NPR"]





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**Excel** File Composizione Visualizza Inserisci Formato Strumenti Dati Finestra ? Mar 21:31 Giovanni Pietro Vitali

**NomiPropri 2.0**

Home Inserisci Layout di pagina Formule Dati Revisione Visualizza

Calibri (Corpo... 12 A A = = Testo a capo Standard

Incolla G C S Unisci e centra Formattazione condizionale Formatta come tabella Stili cella

Formato

A18

**C18**

**fx**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Name Place	270bis	ADL 122	Alessandro	M Amici del Ve	Banda Bassi Bandabardò	Casa del ven	CCCP		Claudio Lolli	CSI	Disciplinatha	Fabrizio de	A	Fascist	popu	Fiamma	Fun
2	Adda																	
3	Adige																	
4	Adriatico																	
5	Adriatico																	
6	Africa																	
7	Africa																	
8	Africa																	
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10	Africa																	
11	Africa																	
12	Africa																	
13	Agrigento																	
14	Alaska																	
15	Albania																	
16	Albania																	
17	Albania																	
18	Albania																	
19	Alessandria d'Egitto																	
20	Algeria																	
21	Alpi																	
22	Alpi																	
23	Alpi																	
24	Amburgo																	
25	America																	
26	America																	
27	America																	
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29	America																	
30	America																	
31	America																	
32	America																	

Foglio1 +

Pronto

100%

Mac OS X Dock icons

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Excel File Composizione Visualizza Inserisci Formato Strumenti Dati Finestra ? Mar 21:40 □ Giovanni Pietro Vitali

Nuova-Musica-Popolare-xlsx.xlsx [modalità compatibilità]

Cerca nel foglio □ Condendi □ Inserisci □ Elimina □ Formato □ Ordina e filtra

A1 □ × ✓ fx Name Place

			Lat	Long	270bis	ADL 122	Alessandrī Amici del V Ban
1	Name Place	Lat.lng					
2	Adda	{"totalResultsCount":436,"geonames":[{"adminCode1":"01","lng":44.49722,"geonameId":1091401,"toponymName":"Adda-Douéni","countryId":921929,"fcId":"P","population":10858,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":44.49722,"long":-12.2925}	-12.2925	44.49722			
3	Adige	{"totalResultsCount":5153,"geonames":[{"adminCode1":"17","lng":11.33333,"geonameId":3165244,"toponymName":"Trentino-Alto Adige","countryId":3175395,"fcId":"A","population":10465,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":11.33333,"long":46.5}	46.5	11.33333			
4	Adriatico	{"totalResultsCount":59,"geonames":[{"lng":16,"geonameId":3183462,"name":"Adriatic Sea","fcName":null,"stream":null,"lake":null,"toponymName":null,"countryId":6255146,"name":null,"fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":16,"long":43}	43	16			
5	Africa	{"totalResultsCount":1181420,"geonames":[{"lng":21.09375,"geonameId":6255146,"name":"Africa","fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":21.09375,"long":7.1881}	7.1881	21.09375	1		
6	Agrigento	{"totalResultsCount":428,"geonames":[{"adminCode1":"15","lng":13.57661,"geonameId":2525764,"toponymName":"Agrigento","countryId":3175395,"fcId":"P","population":32514,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":13.57661,"long":37.31065}	37.31065	13.57661			
7	Alaska	{"totalResultsCount":35522,"geonames":[{"adminCode1":"AK","lng":-150.00028,"geonameId":5879092,"toponymName":null,"countryId":6252001,"fcId":"A","population":660633,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":64.00028,"long":-150}	64.00028	-150			
8	Albania	{"totalResultsCount":8260,"geonames":[{"adminCode1":"00","lng":20,"geonameId":783754,"toponymName":null,"countryId":783754,"fcId":"A","population":2986952,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":20,"long":41}	41	20			
9	Alessandria	{"totalResultsCount":1,"geonames":[{"adminCode1":"06","lng":29.91582,"geonameId":361058,"toponymName":null,"countryId":361058,"fcId":"P","population":3811516,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":29.91582,"long":31.20176}	31.20176	29.91582			
10	Algeria	{"totalResultsCount":54587,"geonames":[{"adminCode1":"00","lng":3,"geonameId":2589581,"toponymName":null,"countryId":2589581,"fcId":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":3,"long":28}	28	3			
11	Alpi	{"totalResultsCount":29577,"geonames":[{"adminCode1":"93","lng":7.26608,"geonameId":2990440,"toponymName":null,"countryId":3017382,"fcId":null,"population":338620,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":7.26608,"long":43.70313}	43.70313	7.26608	1		
12	Ambrugo	{"totalResultsCount":498,"geonames":[{"adminCode1":"04","lng":-10.101534,"geonameId":2911298,"toponymName":null,"countryId":2912044,"fcId":null,"population":1739117,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":10.01534,"long":53.57532}	53.57532	10.01534			
13	America	{"totalResultsCount":3737596,"geonames":[{"lng":-105.64453,"geonameId":7729890,"name":null,"fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":-105.645,"long":54.77535}	54.77535	-105.645	1		
14	America Latina	{"totalResultsCount":12,"geonames":[{"adminCode1":"33","lng":-74.24633,"geonameId":8182008,"toponymName":null,"countryId":3686110,"fcId":null,"population":0,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-74.24633,"long":4.57622}	4.57622	-74.2463			
15	Amsterdam	{"totalResultsCount":1167,"geonames":[{"adminCode1":"AK","lng":-4.88969,"geonameId":2759794,"toponymName":null,"countryId":2750405,"fcId":null,"population":741636,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-4.88969,"long":52.37403}	52.37403	4.88969			
16	Ancona	{"totalResultsCount":838,"geonames":[{"adminCode1":"10","lng":13.50337,"geonameId":3183089,"toponymName":null,"countryId":3175395,"fcId":null,"population":89994,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":13.50337,"long":43.5942}	43.5942	13.50337			
17	Angola	{"totalResultsCount":50176,"geonames":[{"adminCode1":"00","lng":18.5,"geonameId":3351879,"toponymName":null,"countryId":3351879,"fcId":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":18.5,"long":-12.5}	-12.5	18.5			
18	Aosta	{"totalResultsCount":1098,"geonames":[{"adminCode1":"19","lng":7.31722,"geonameId":3182997,"toponymName":null,"countryId":3175395,"fcId":null,"population":32295,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":7.31722,"long":45.73764}	45.73764	7.31722			
19	Appennino	{"totalResultsCount":36,"geonames":[{"adminCode1":"10","lng":13.45688,"geonameId":3172939,"toponymName":null,"countryId":3175395,"fcId":null,"population":42.99005,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":13.45688,"long":53.77535}	53.77535	10.45888			
20	Arabia	{"totalResultsCount":101578,"geonames":[{"lng":45,"geonameId":6957698,"name":null,"fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":45,"long":25}	25	45			
21	Arcore	{"totalResultsCount":15,"geonames":[{"adminCode1":"09","lng":9.32454,"geonameId":3182904,"toponymName":null,"countryId":3175395,"fcId":null,"population":16690,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":9.32454,"long":45.62675}	45.62675	9.32454			
22	Arezzo	{"totalResultsCount":1093,"geonames":[{"adminCode1":"16","lng":11.88098,"geonameId":3182884,"toponymName":null,"countryId":3175395,"fcId":null,"population":76346,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":11.88098,"long":43.46276}	43.46276	11.88098			
23	Argentina	{"totalResultsCount":49669,"geonames":[{"adminCode1":"00","lng":-64,"geonameId":3865483,"toponymName":null,"countryId":3865483,"fcId":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-64,"long":-54.03432}	-54.03432	-64			
24	Arkansas	{"totalResultsCount":42338,"geonames":[{"adminCode1":"AR","lng":-92.5004,"geonameId":4099753,"toponymName":null,"countryId":6252001,"fcId":null,"population":2757831,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-92.5004,"long":34.75037}	34.75037	-92.5004			
25	Asia	{"totalResultsCount":3863076,"geonames":[{"lng":89.29688,"geonameId":6255147,"name":null,"fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":89.29688,"long":29.84064}	29.84064	89.29688			
26	Assisi	{"totalResultsCount":324,"geonames":[{"adminCode1":"18","lng":12.62109,"geonameId":3182722,"toponymName":null,"countryId":3175395,"fcId":null,"population":3732,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":12.62109,"long":43.06671}	43.06671	12.62109			
27	Atene	{"totalResultsCount":424,"geonames":[{"adminCode1":"ESY E31","lng":23.71622,"geonameId":264371,"toponymName":null,"countryId":390903,"fcId":null,"population":664046,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":23.71622,"long":37.97945}	37.97945	23.71622			
28	Atlantico	{"totalResultsCount":4535,"geonames":[{"adminCode1":"04","lng":-75,"geonameId":3689436,"toponymName":null,"countryId":3686110,"fcId":null,"population":10.75,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-75,"long":-50.03437}	-50.03437	10.75			
29	Auschwitz	{"totalResultsCount":2,"geonames":[{"adminCode1":"77","lng":19.21037,"geonameId":3089658,"toponymName":null,"countryId":798544,"fcId":null,"population":41143,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":19.21037,"long":41.143}	41.143	19.21037			
30	Australia	{"totalResultsCount":278484,"geonames":[{"adminCode1":"00","lng":135,"geonameId":2077456,"toponymName":null,"countryId":2077456,"fcId":null,"population":47.33333,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":135,"long":-25}	-25	135			
31	Austria	{"totalResultsCount":331352,"geonames":[{"adminCode1":"00","lng":13.33333,"geonameId":2782113,"toponymName":null,"countryId":2782113,"fcId":null,"population":47.33333,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":13.33333,"long":48.21037}	48.21037	13.33333			
32	Avana	{"totalResultsCount":14,"geonames":[{"adminCode1":"02","lng":-82.38304,"geonameId":3553478,"toponymName":null,"countryId":3562981,"fcId":null,"population":2163824,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":-82.38304,"long":23.13302}	23.13302	-82.383			
33	Avellino	{"totalResultsCount":938,"geonames":[{"adminCode1":"04","lng":14.79103,"geonameId":3182650,"toponymName":null,"countryId":3175395,"fcId":null,"population":48104,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":14.79103,"long":40.91494}	40.91494	14.79103			
34	Avenue Pe	{"totalResultsCount":481,"geonames":[{"adminCode1":"02","lng":150.8512,"geonameId":8159385,"toponymName":null,"countryId":2077456,"fcId":null,"population":34.4818,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":150.8512,"long":-50.8512}	-50.8512	34.4818			
35	Baghdad	{"totalResultsCount":3137,"geonames":[{"adminCode1":"07","lng":44.40088,"geonameId":98182,"toponymName":null,"countryId":99237,"fcId":null,"population":7216000,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":44.40088,"long":33.34058}	33.34058	44.40088			
36	Balcani	{"totalResultsCount":14,"geonames":[{"adminCode1":"04","lng":26.54412,"geonameId":685661,"toponymName":null,"countryId":798549,"fcId":null,"population":0,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":26.54412,"long":46.64108}	46.64108	26.54412			
37	Baltico	{"totalResultsCount":3,"geonames":[{"lng":18,"geonameId":2633321,"name":null,"fcName":null,"parks":null,"area":null,"toponymName":null,"codeName":null,"adminName":null,"continent":null,"lat":18,"long":56}	56	18			
38	Bangkok	{"totalResultsCount":6597,"geonames":[{"adminCode1":"40","lng":100.50144,"geonameId":1600360,"toponymName":null,"countryId":1601476,"fcId":null,"population":100.50144,"countryName":null,"fcName":null,"name":null,"sea":null,"adminName":null,"continent":null,"lat":100.50144,"long":12.75399}	12.75399	100.50144			

Sicuro | https://koine82.carto.com/dataset/nuova\_musica\_popolare\_xlsx\_1

nuova\_musica\_popolare\_xlsx\_1

PUBLIC Updated 2 months ago

cartodb_id	the_geom	zibba	zetazeroalfa	yu_kung	yo_yo_mundi	vinicio_capossela
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2	11.33333, 46.5	null	null	null	null	null
3	16, 43	null	null	null	null	null
4	21.09375, 7.1881	1	null	null	null	2
5	13.57661, 37.31065	null	null	null	null	null
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7	20, 41	null	null	null	null	null
8	29.91582, 31.20176	null	null	null	null	

METADATA SQL

PREVIEW CREATE MAP

Université de Poitiers 

nuova\_musica\_popolare\_xlsx\_1

PUBLIC Updated 2 months ago

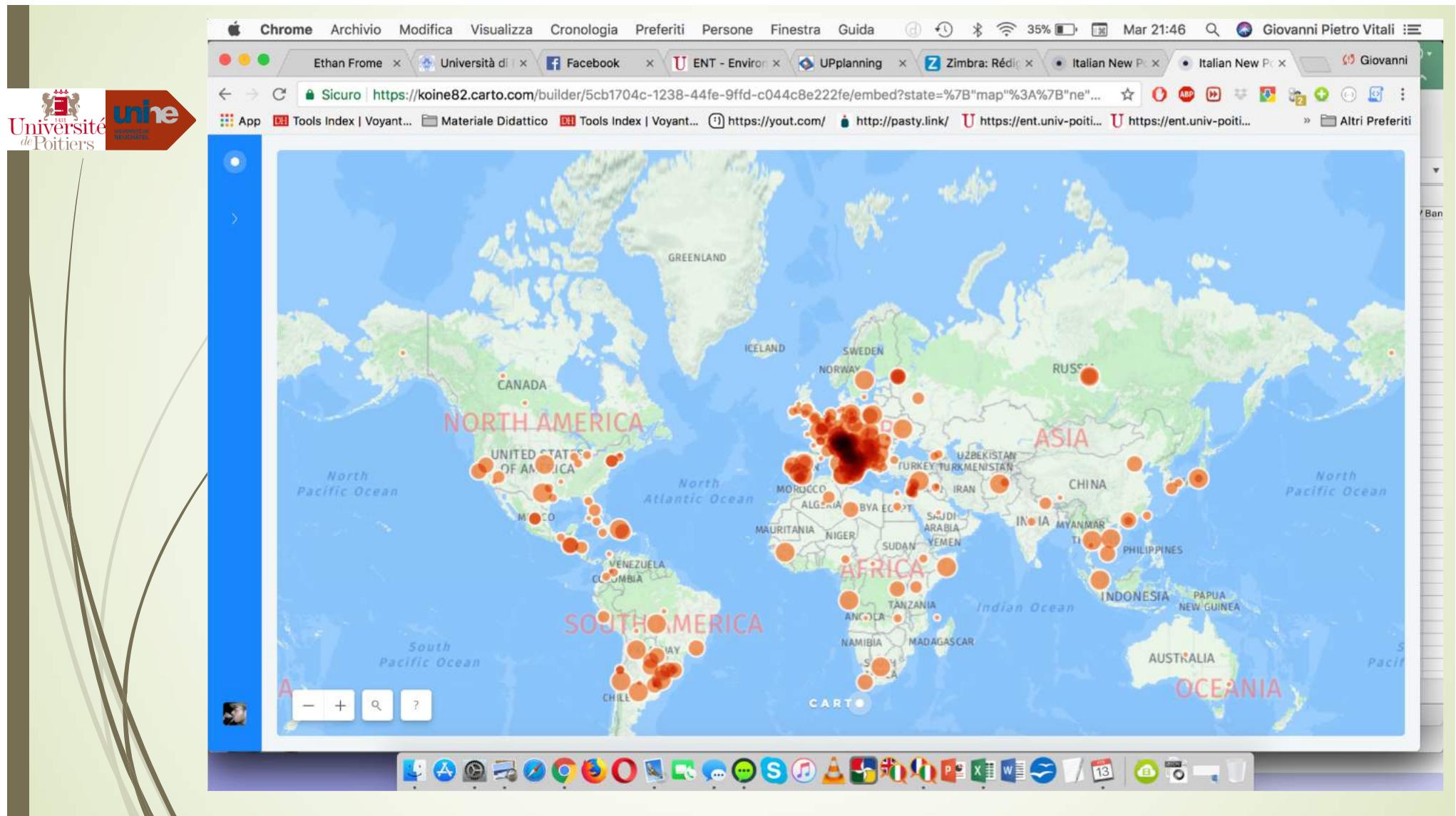
+ ADD ROW + ADD COLUMN EXPORT

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3	null	null	null	Adriatico	16	43	
4	null	null	1	Africa	21.09375	7.1881	
5	null	null	null	Agrigento	13.57661	37.31065	
6	null	null	null	Alaska	-150.00028	64.00028	
7	null	null	null	Albania	20	41	
8	null	null	null	Alessandria d'Egitto	29.91582		

METADATA SQL

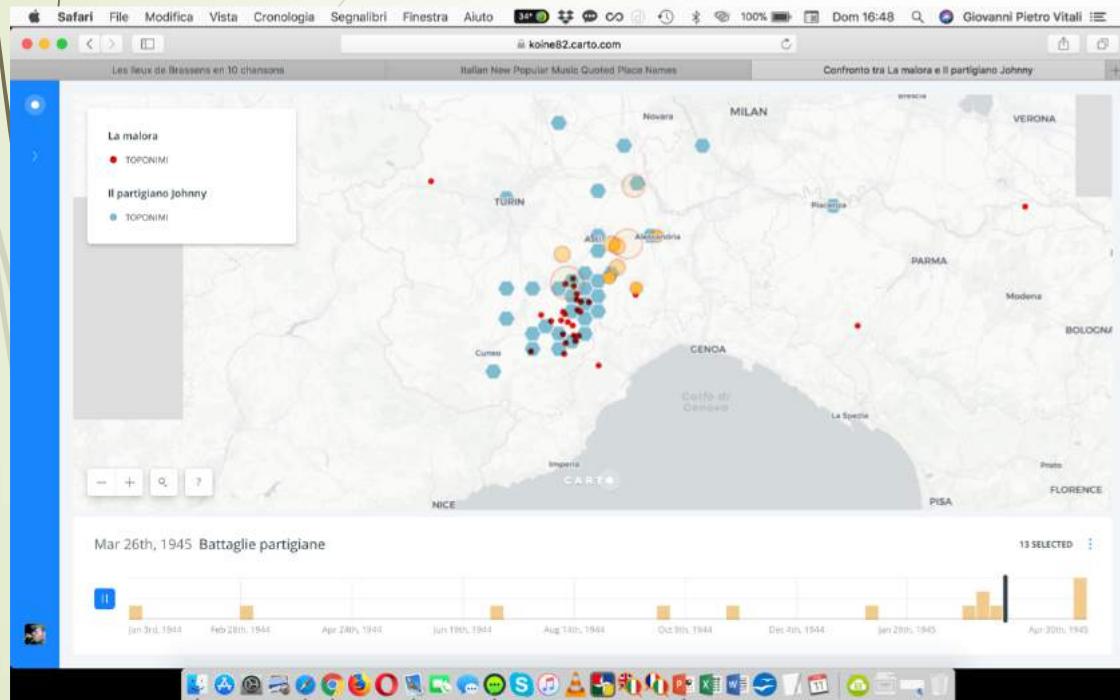
PREVIEW CREATE MAP





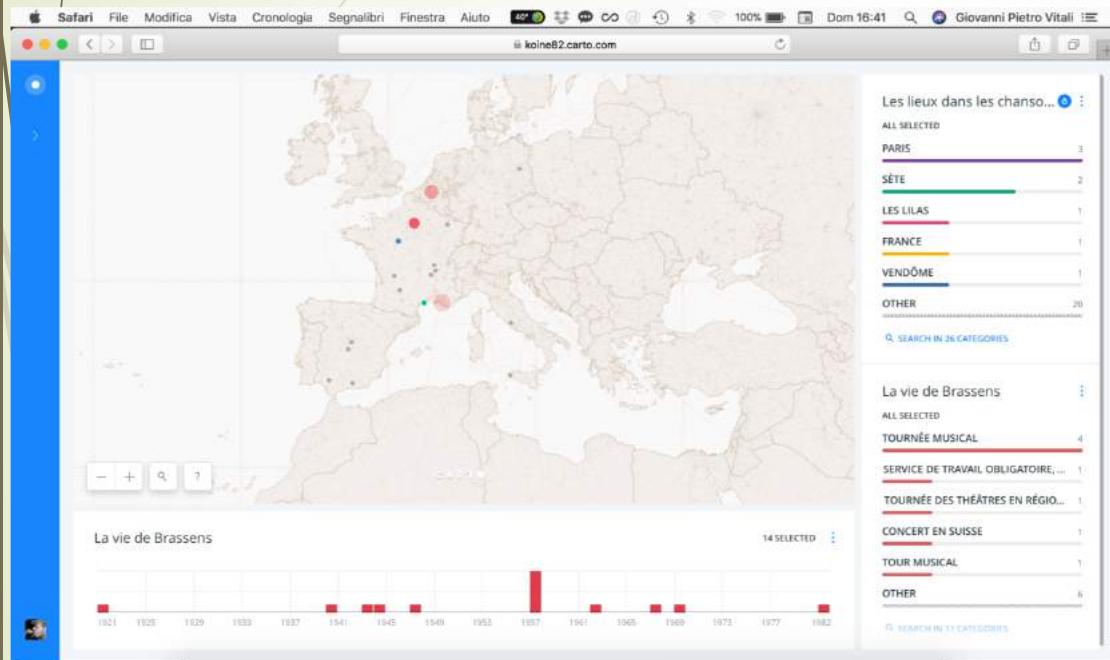
<https://carto.com/>

## Exercice n° 7b – Carte avec une chronologie



- ▶ Étape 1 – Créer un DATASET adapté
- ▶ Étape 2 – Transformer le DATASET en carte
- ▶ Étape 3 – Utiliser un « widget »
  
- ▶ <https://koine82.carto.com/builder/3fe51bd1-7a33-4aee-af3b-5a76691967e7/embed?state=%7B%22map%22%3A%7B%22ne%22%3A%5B43.70759350405296%2C4.932861328125001%5D%2C%22sw%22%3A%5B45.54483149242463%2C11.480712890625%5D%2C%22center%22%3A%5B44.6334823448553%2C8.206787109375002%5D%2C%22zoom%22%3A8%7D%2C%22widgets%22%3A%7B%22ecd10b30-4b0c-4304-9e47-3f3884a28518%22%3A%7B%22normalized%22%3Atrue%7D%7D%7D>

## Exercice n° 7c – Carte avec une chronologie

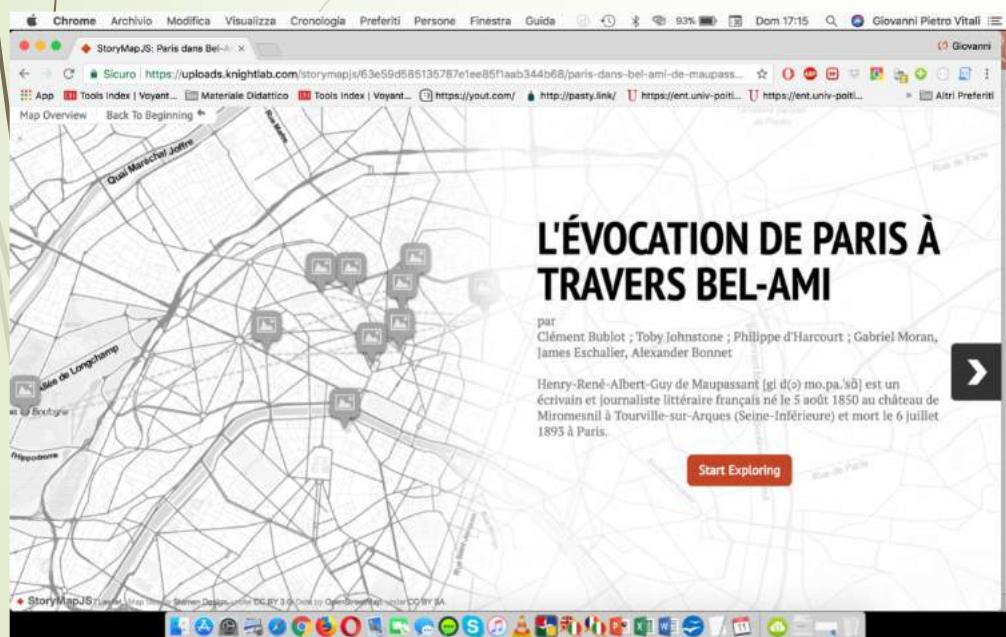


- ▶ Étape 1 – Créer un DATASET adapté
- ▶ Étape 2 – Transformer le DATASET en carte
- ▶ Étape 3 – Utiliser un « widget »
  
- ▶ <https://koine82.carto.com/embed/f4eb445b-9656-4ebb-b832-7acdb4e935ae>

# Story Map Js

StoryMap JS

## Exercice n° 4



- ▶ Raconte une histoire!
- ▶ Étape 1 – Ouvrir un compte sur Story Map JS :  
<https://storymap.knightlab.com/>
- ▶ Étape 2 – Explorer !!!
- ▶ Exemple :  
<https://uploads.knightlab.com/storymaps/63e59d585135787e1ee85f1aab344b68/paris-dans-bel-ami-de-maupassant/index.html>



## Exercice n° 5

- ▶ Georeferencer
- ▶ Étape 1 – Ouvrir un compte sur **Map Warper** :  
<https://mapwarper.net/>
- ▶ Étape 2 – Explorer !!!
- ▶ Étape 3 – Prendre un des fichiers et essayer à Georeferencer

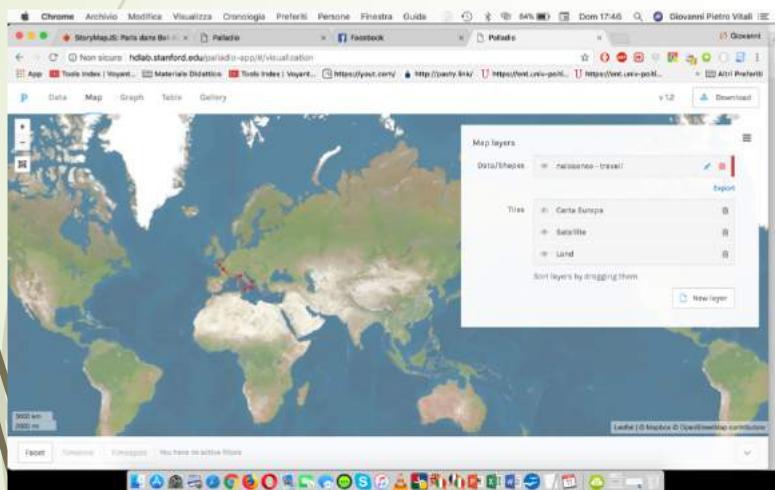
# Palladio



<http://hdlab.stanford.edu/palladio/>

## Exercice n° 6

► Étape 1 – Rouvrir Palladio



► Étape 2 – Préparer un tableau comme l'exemple

► nom,ville1,naissance,ville2,travail

"Vitali", "Lucca", "43.833776, 10.477822", "Poitiers", "46.580837, 0.345718"

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"Catelani", "Catanzaro", "38.891863, 16.597987", "Poitiers", "46.580837, 0.345718 "

"Monnier", "Rennes", "48.123687, -1.693264", "Poitiers", "46.580837, 0.345718 "

"Banini", "La Rochelle", "446.164888, -1.168024", "Poitiers", "46.580837, 0.345718 "

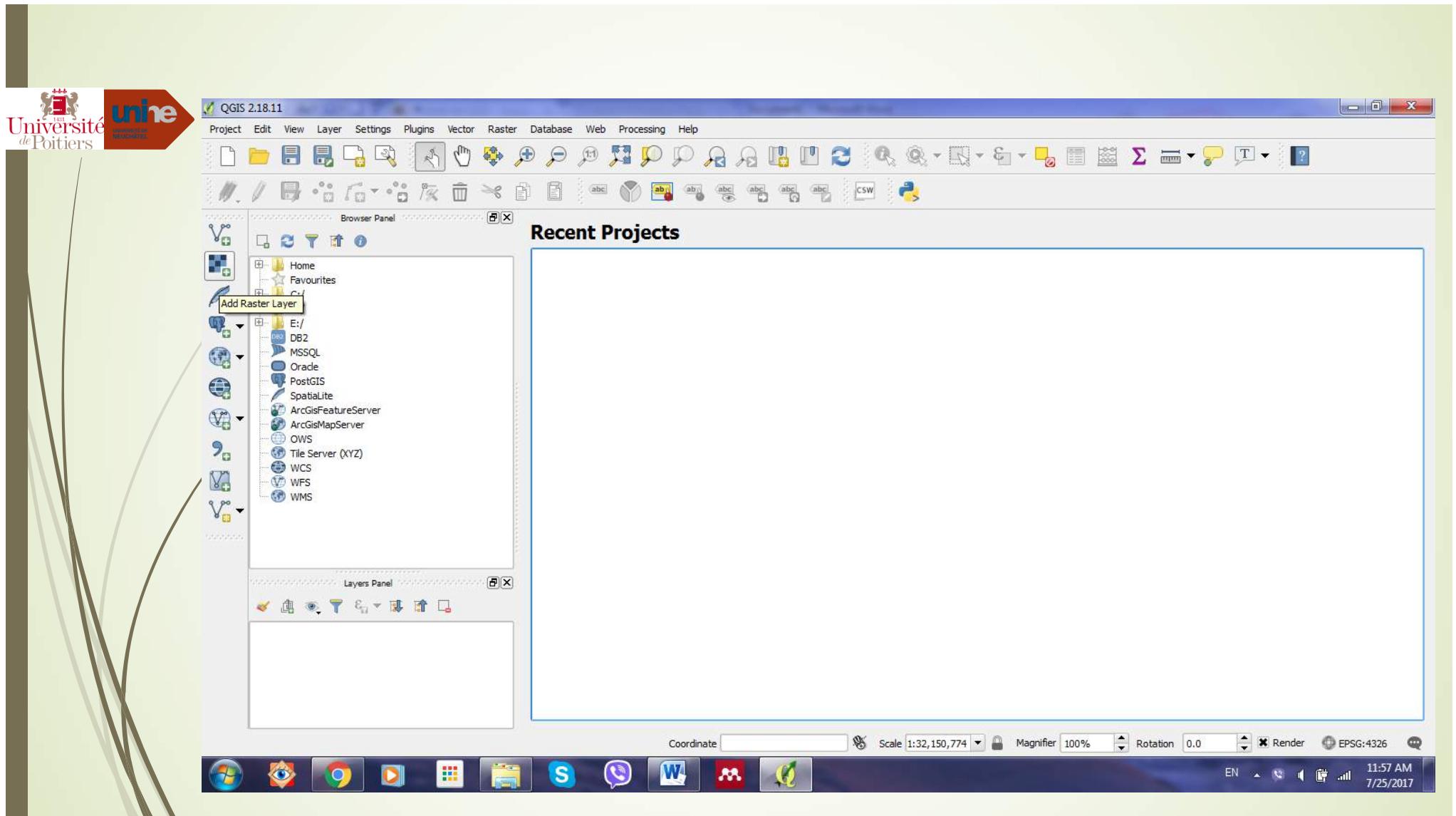
► Étape 3 – L'insérer sur Palladio

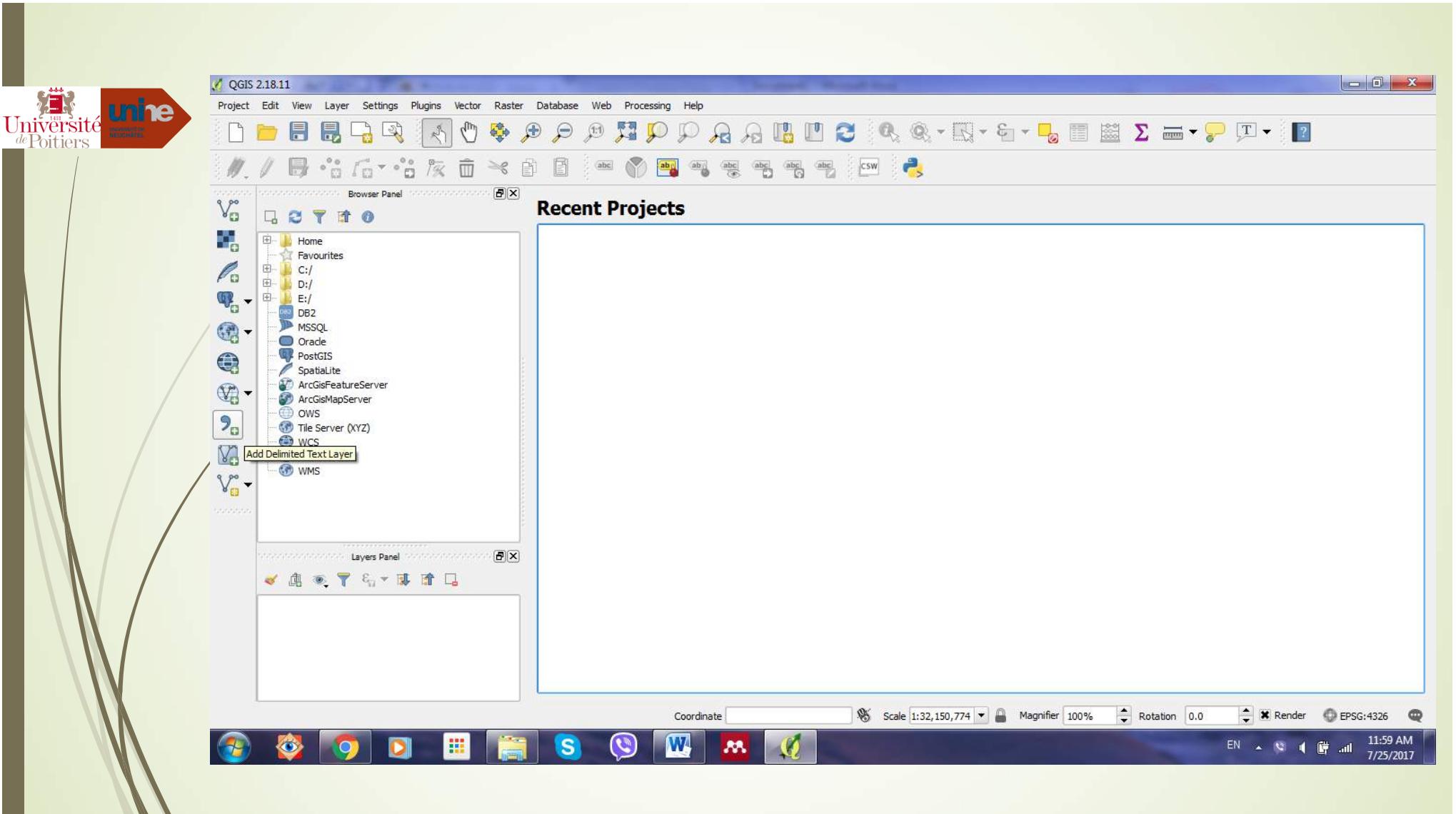
- Geroferencer
- Plug-in
- Layers

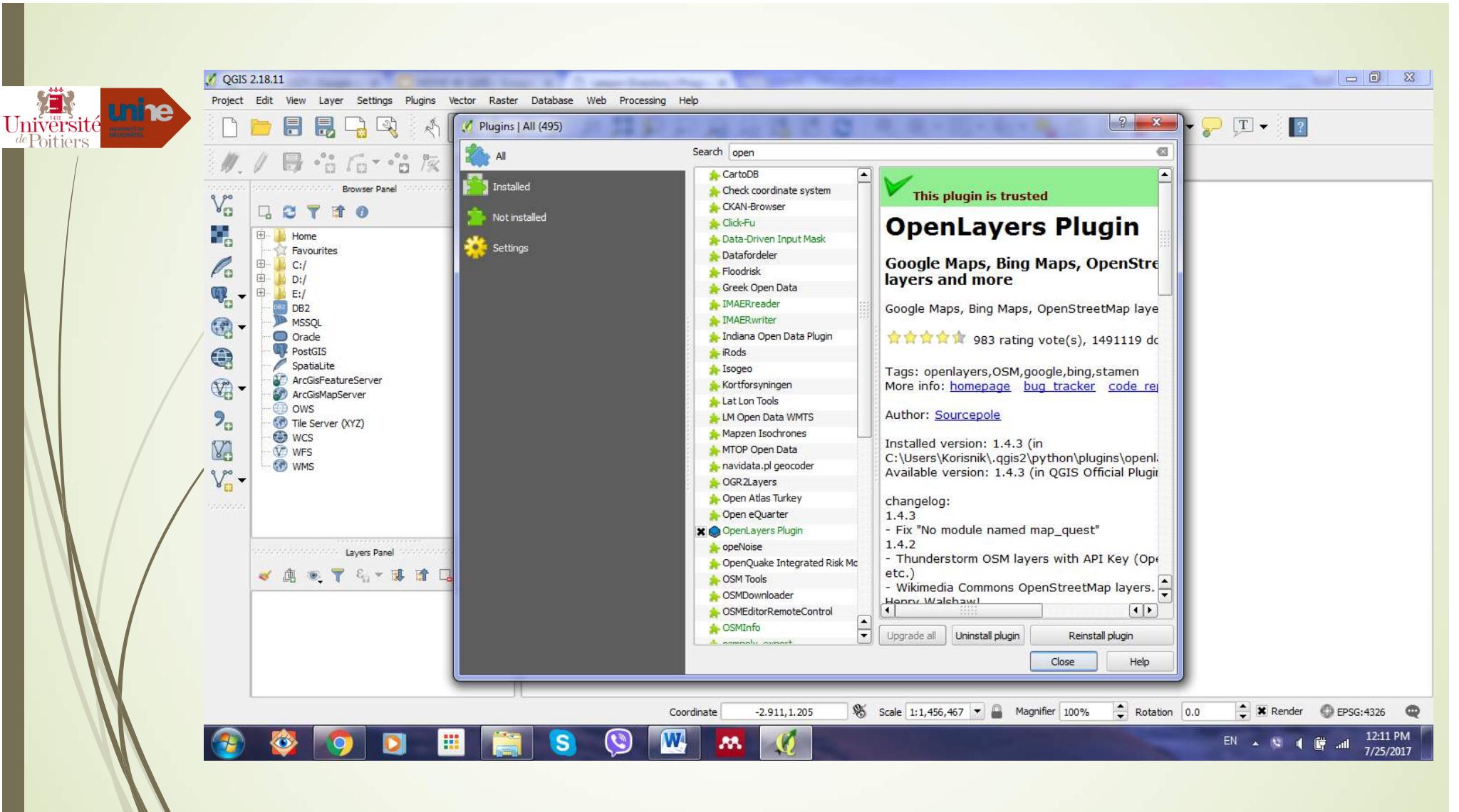


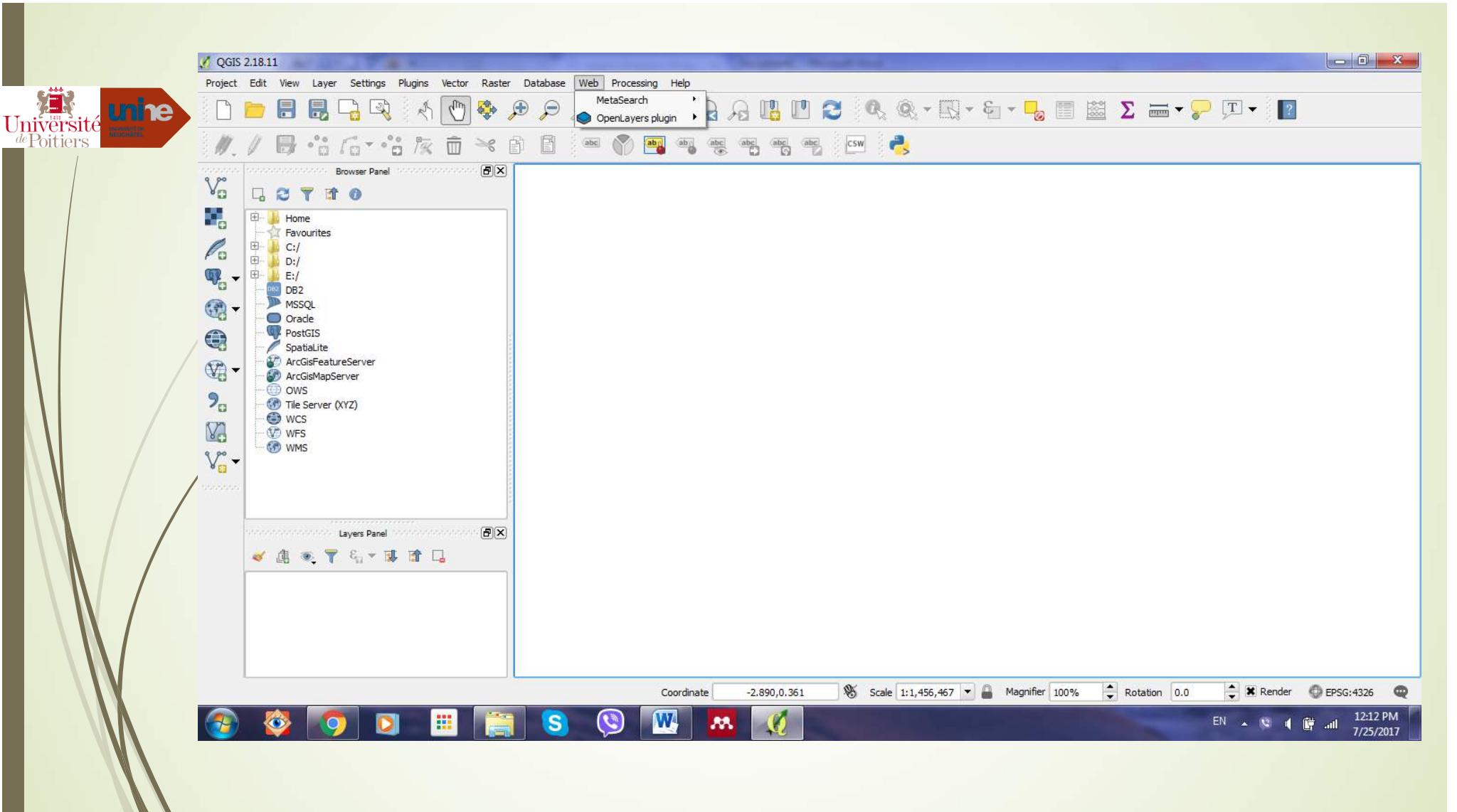
The background features a minimalist graphic element on the left side. It consists of a vertical black bar on the far left and several thin, curved lines extending from behind it towards the center. These lines are composed of two distinct shades of gray, creating a sense of depth and motion. The overall aesthetic is clean and modern, with a focus on negative space and geometric forms.

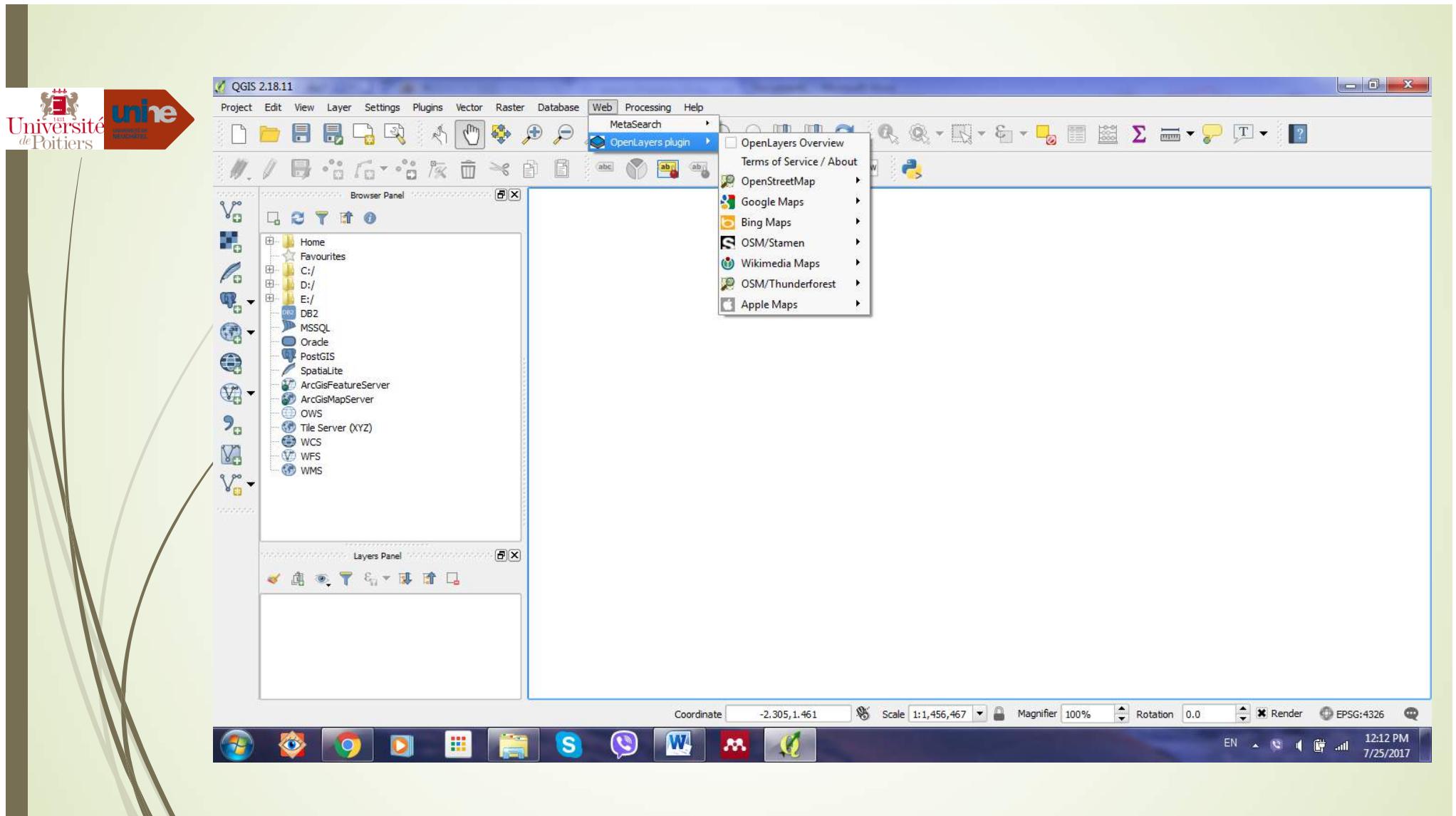
# Plugin

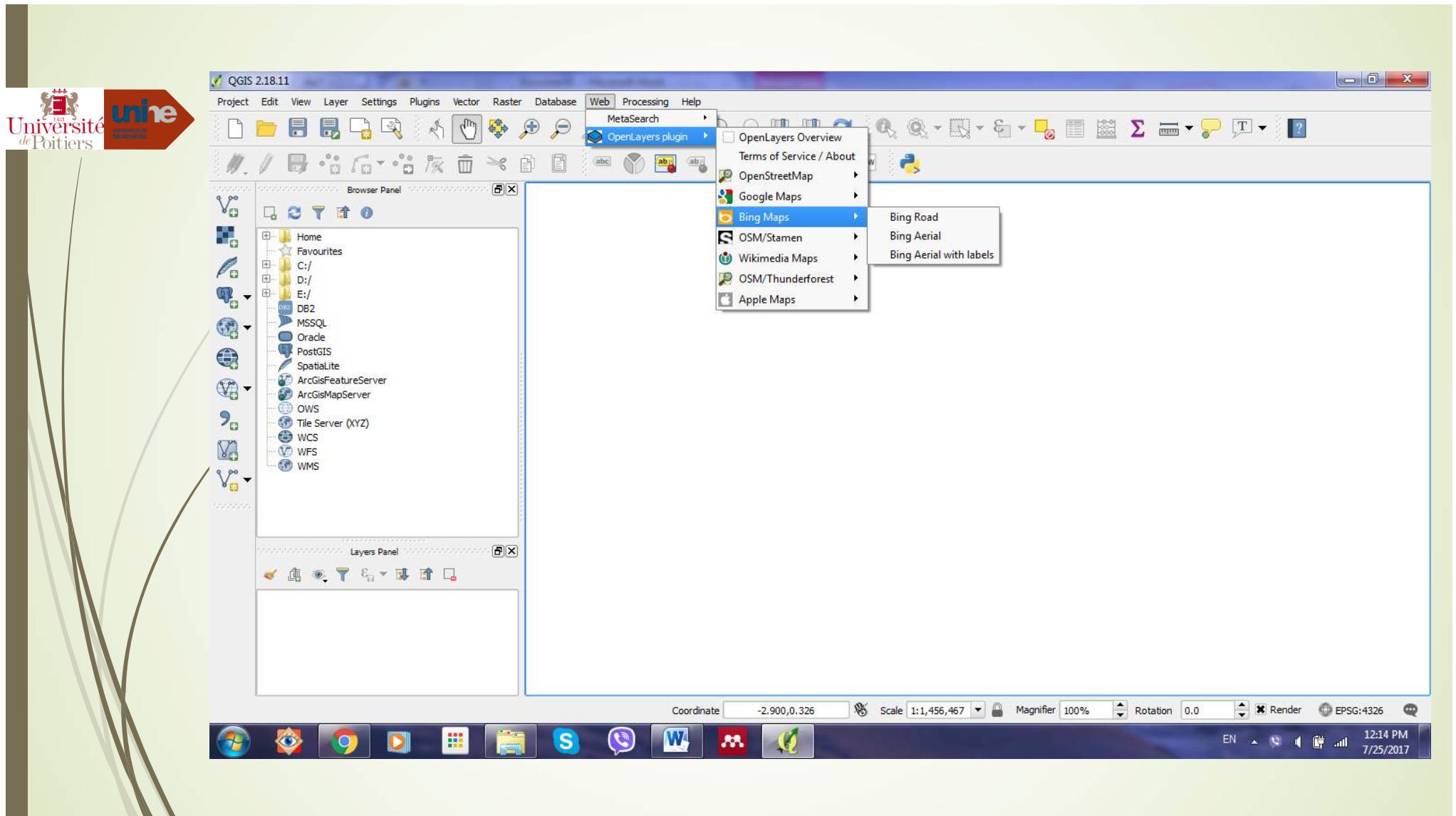




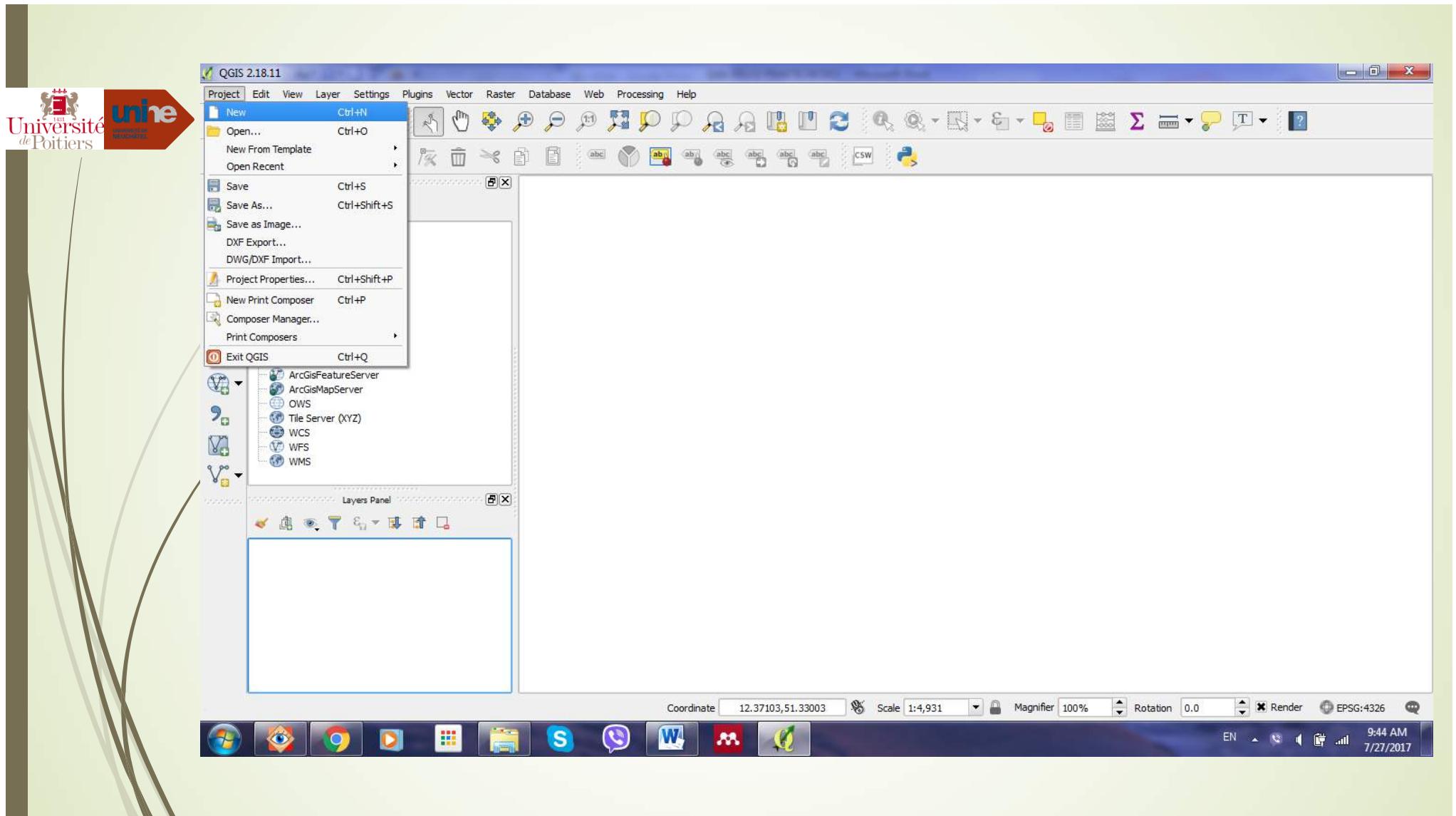


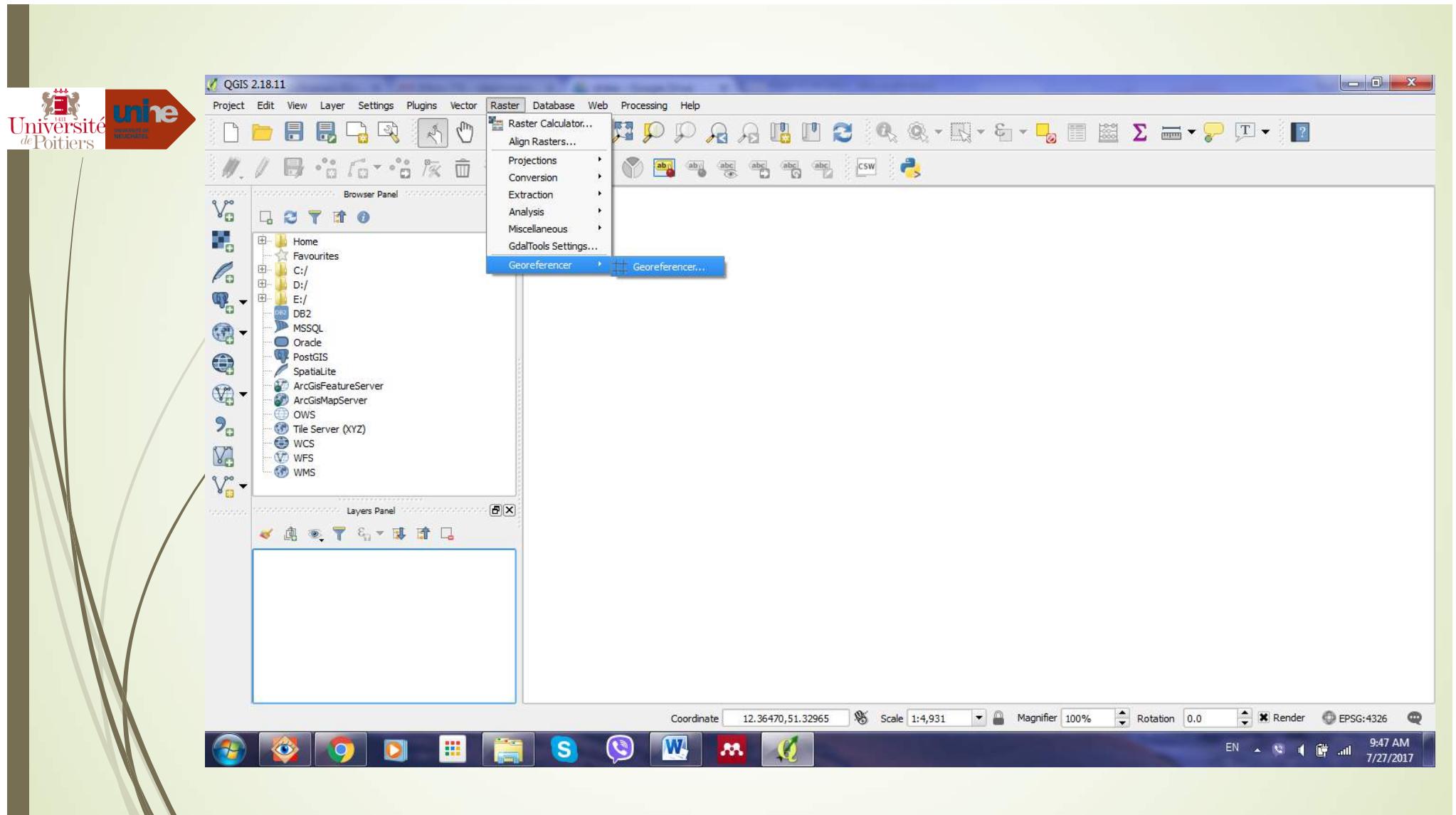


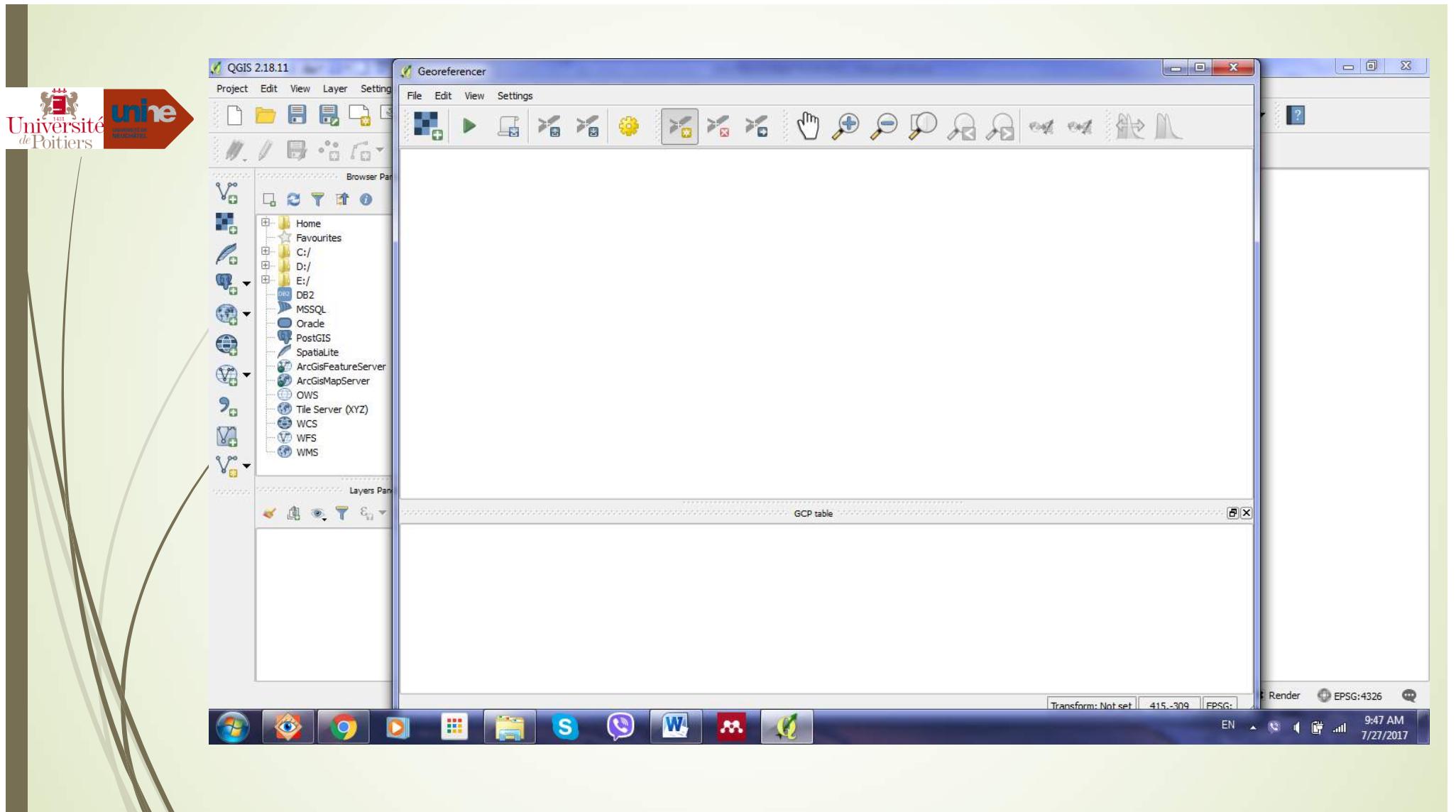


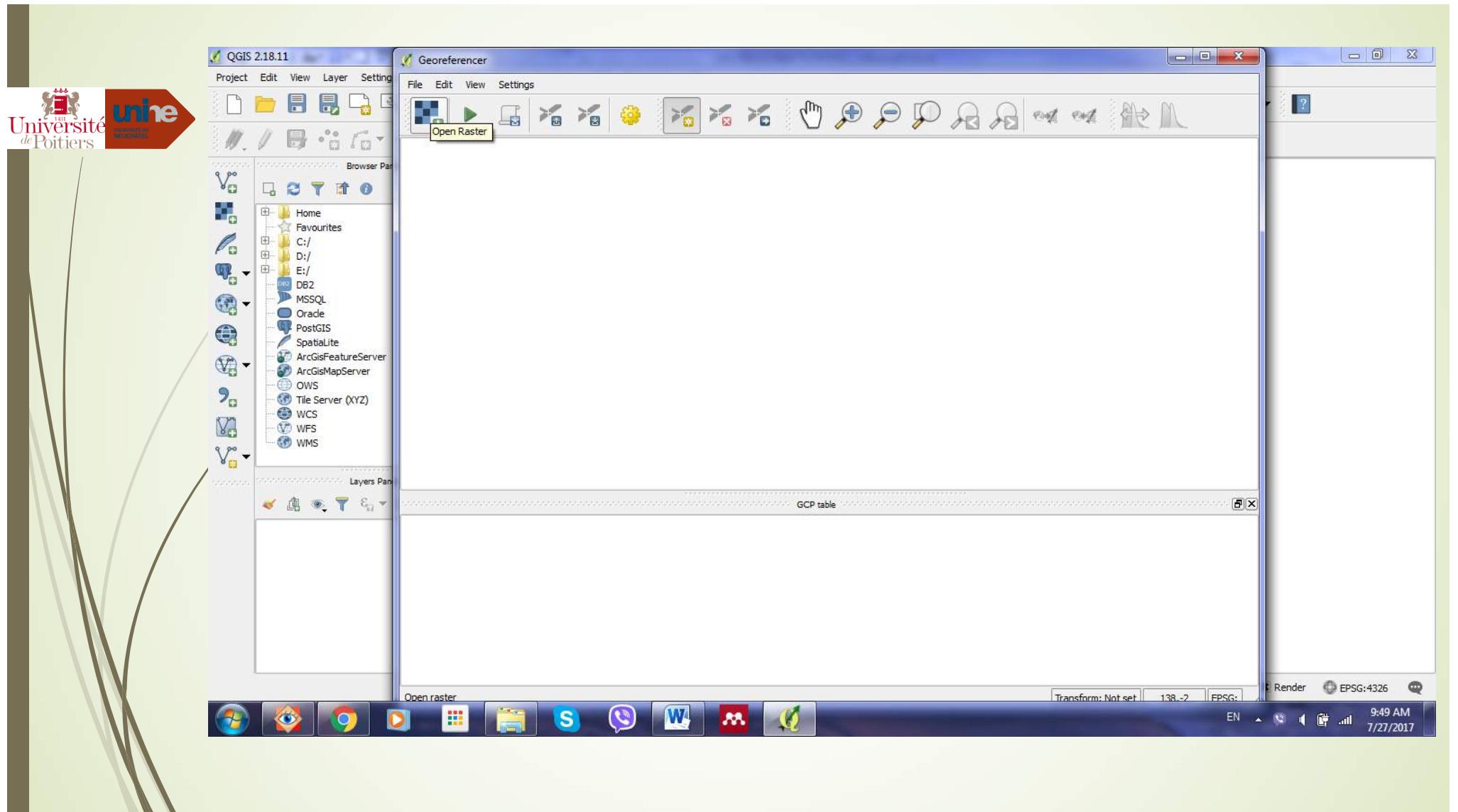


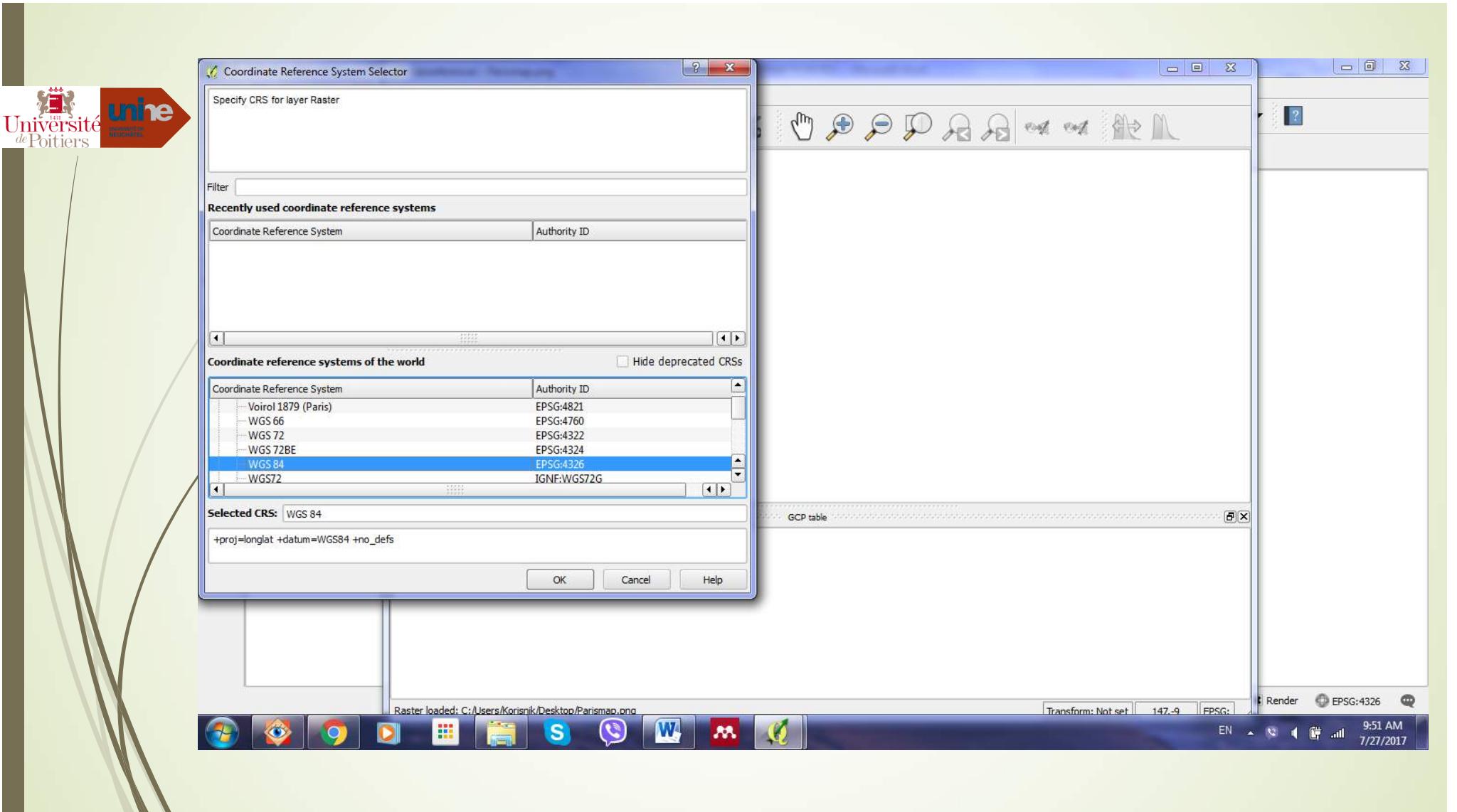
# Georeferencer

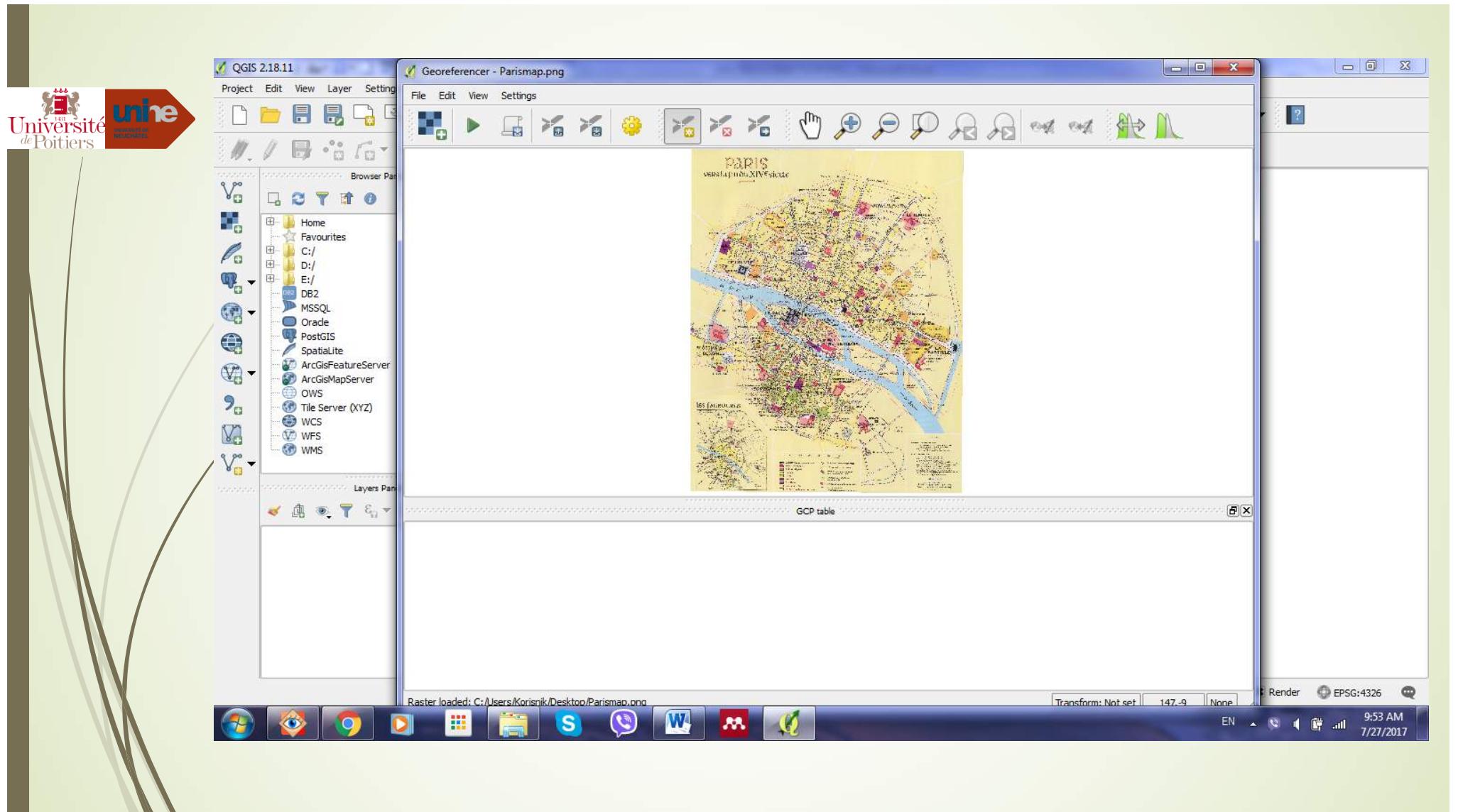












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Quai des Tuilleries

Quai des Tuilleries

Quai du Louvre

Pont des Arts

Pont du Carrousel

Pointe Voltaire

Seine

Seine

Passage Richelieu

Rue de Rivoli

Rue Saint Honoré

Rue Croix des Petits Champs

Rue Jean-Jacques Rousseau

Rue du Temple

Rue Saural

Rue Bailleul

Rue de l'Arbre Sec

Rue de l'Arbre Sec

Rue de l'Amiral de Coligny

Rue de Rivoli

Rue de la Paix

Rue de l'Oratoire du Louvre

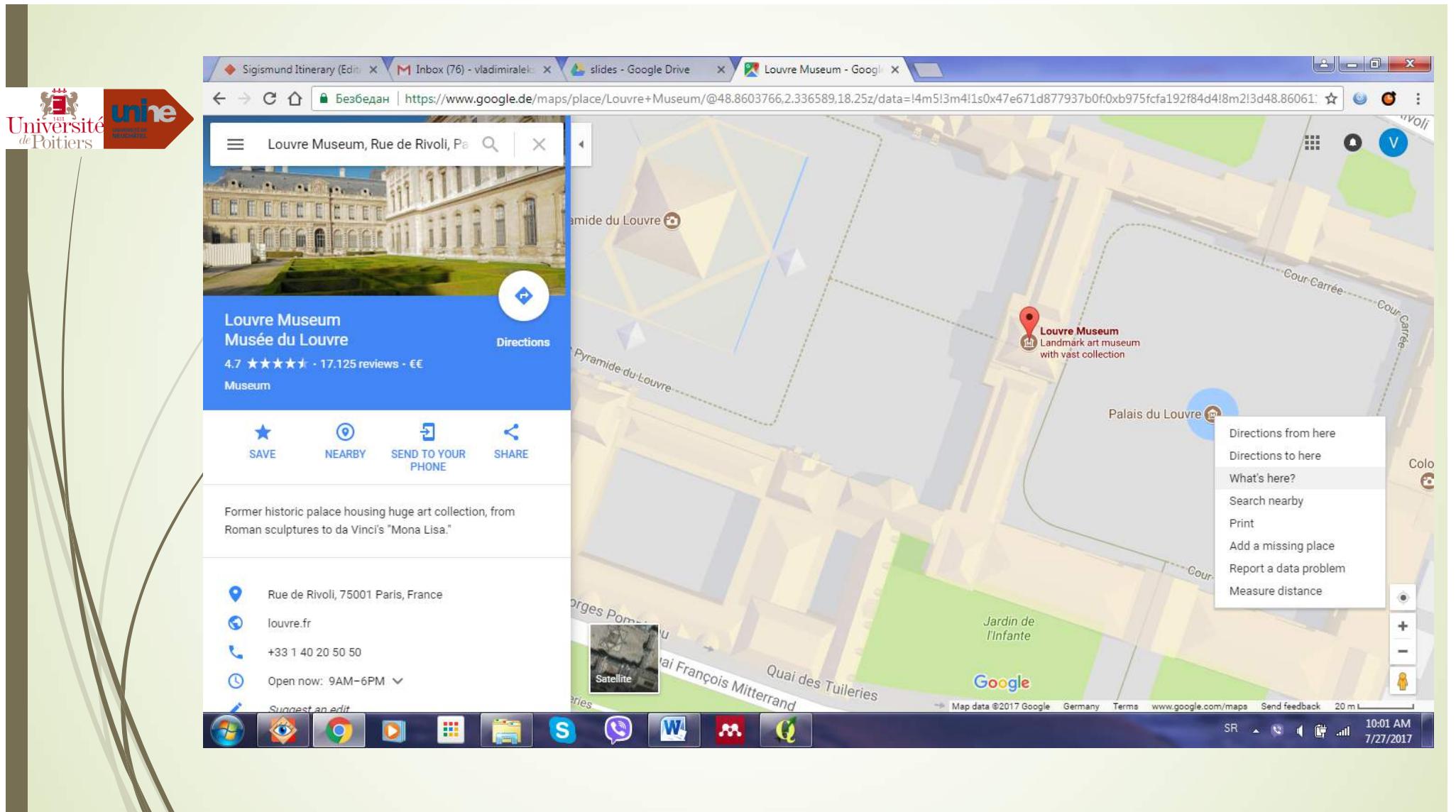
Temple protestant de l'Oratoire du Louvre

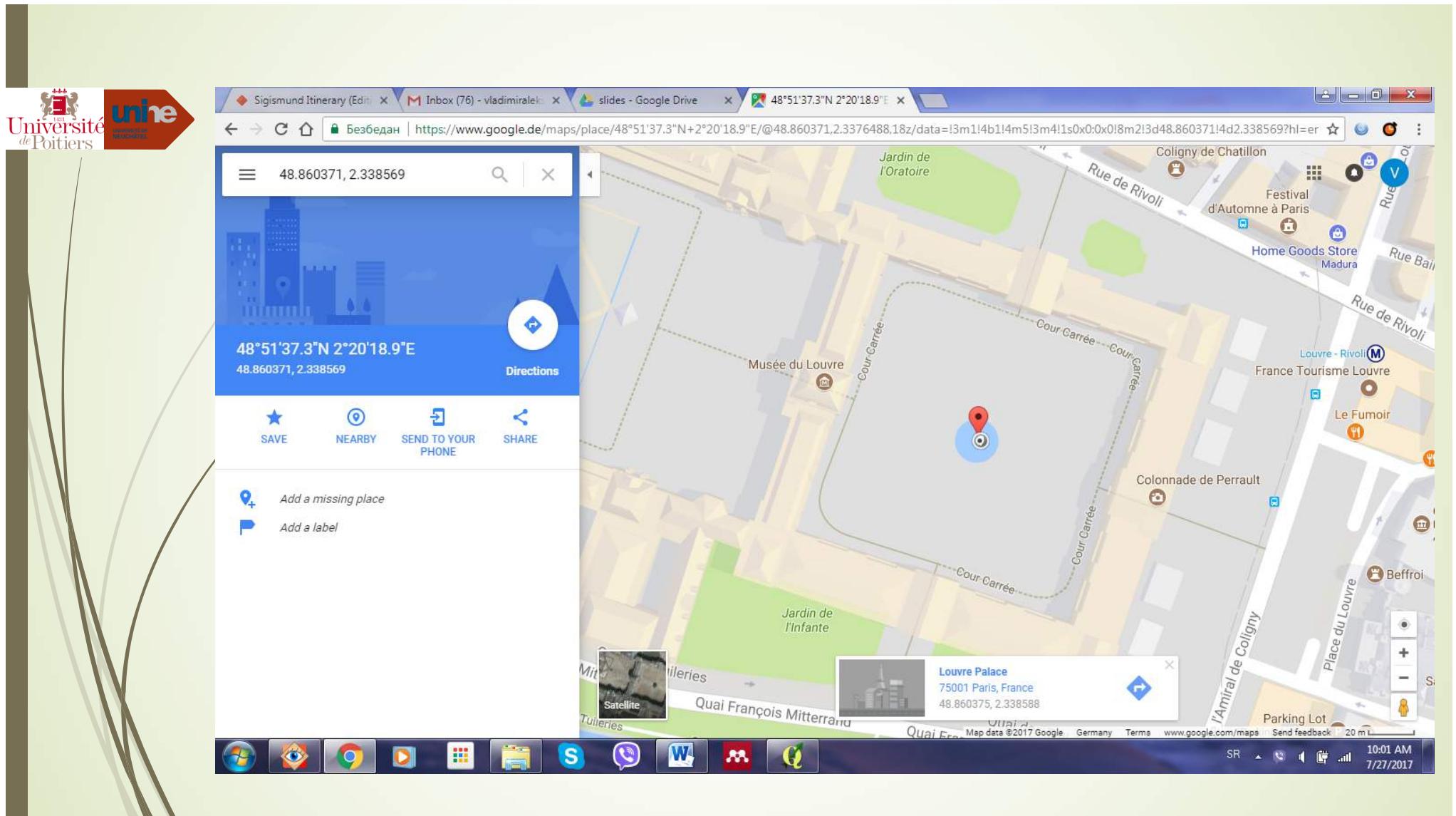
Le Chacha

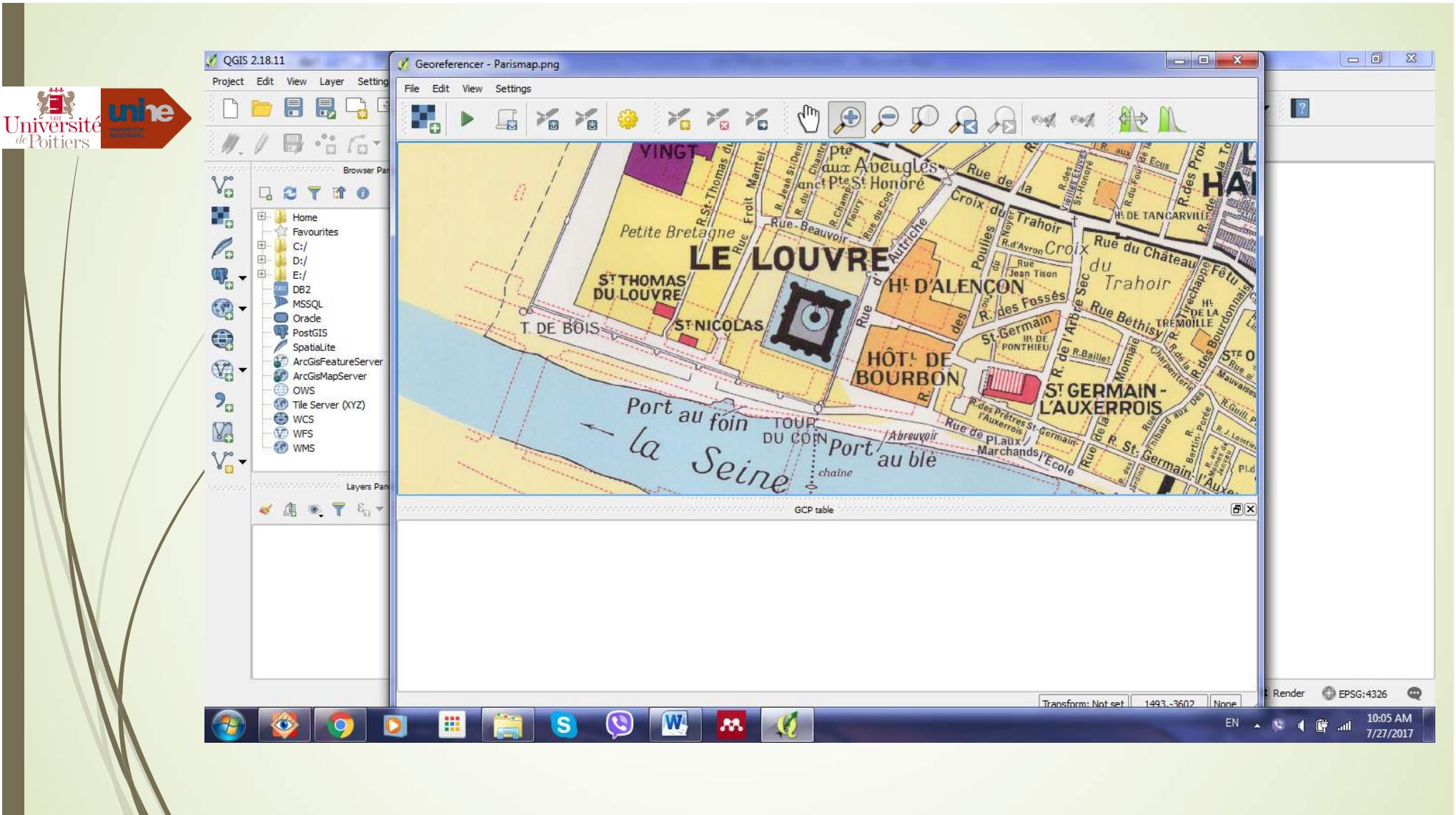
Art Gallery MA GALERIE - Le Paire Samuel

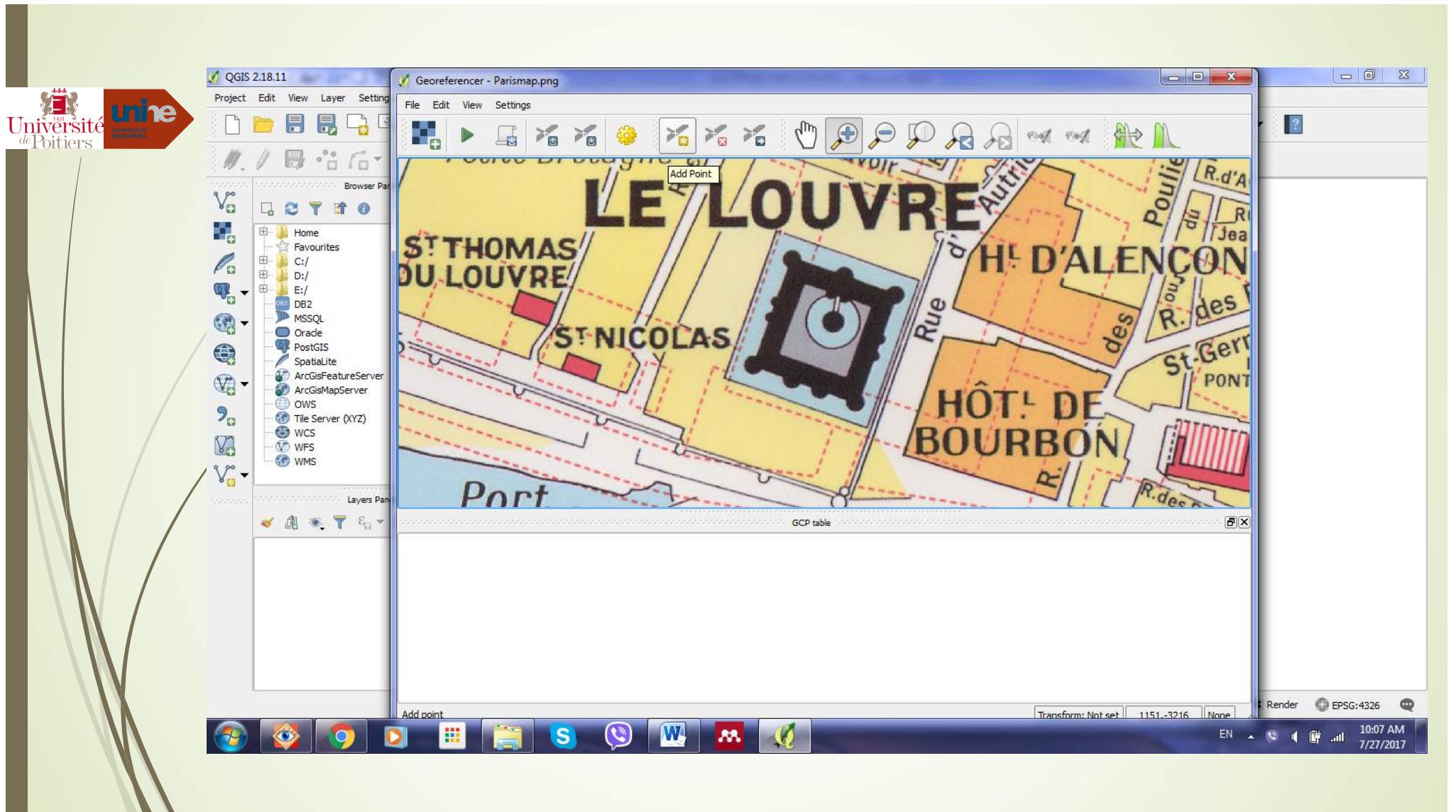
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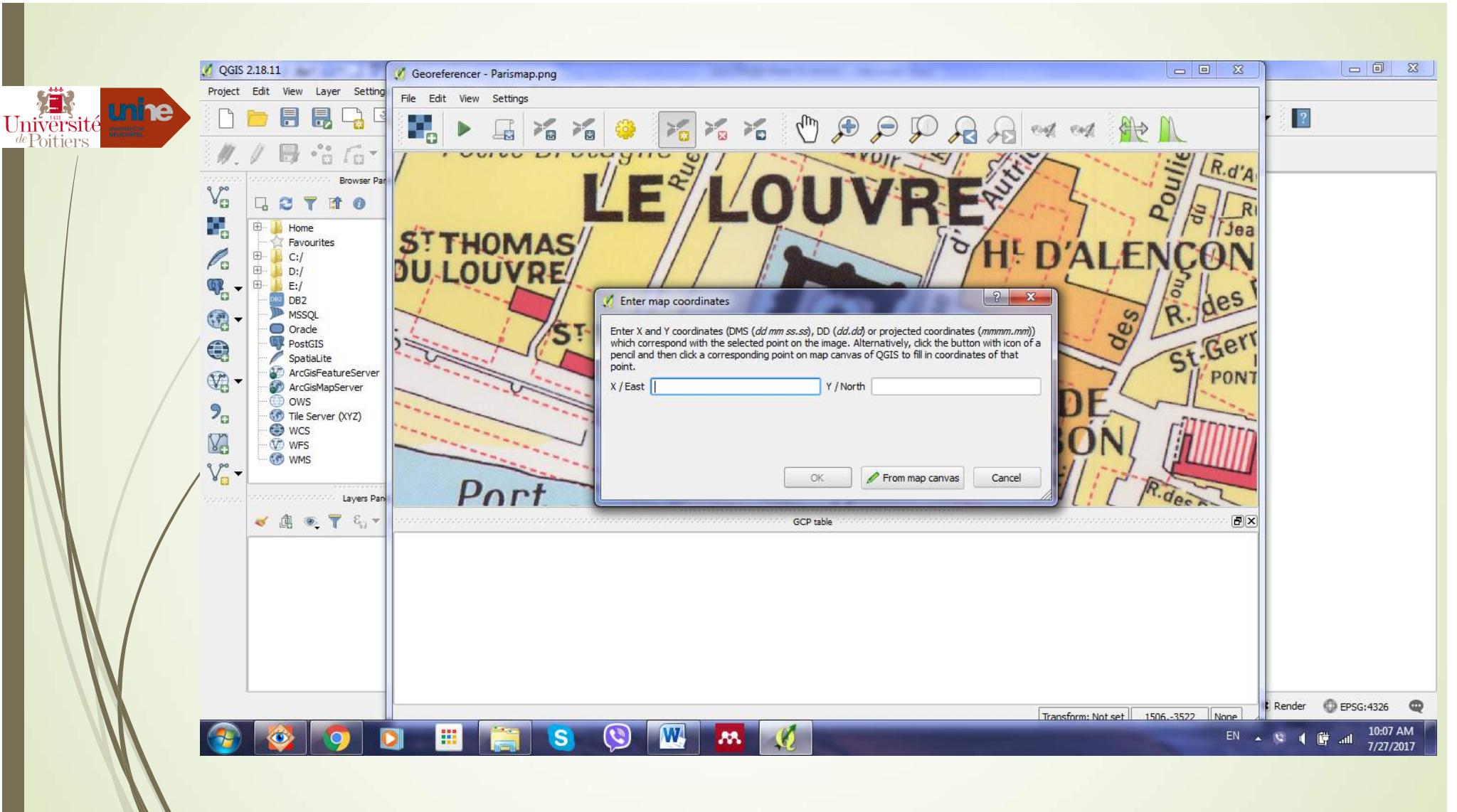
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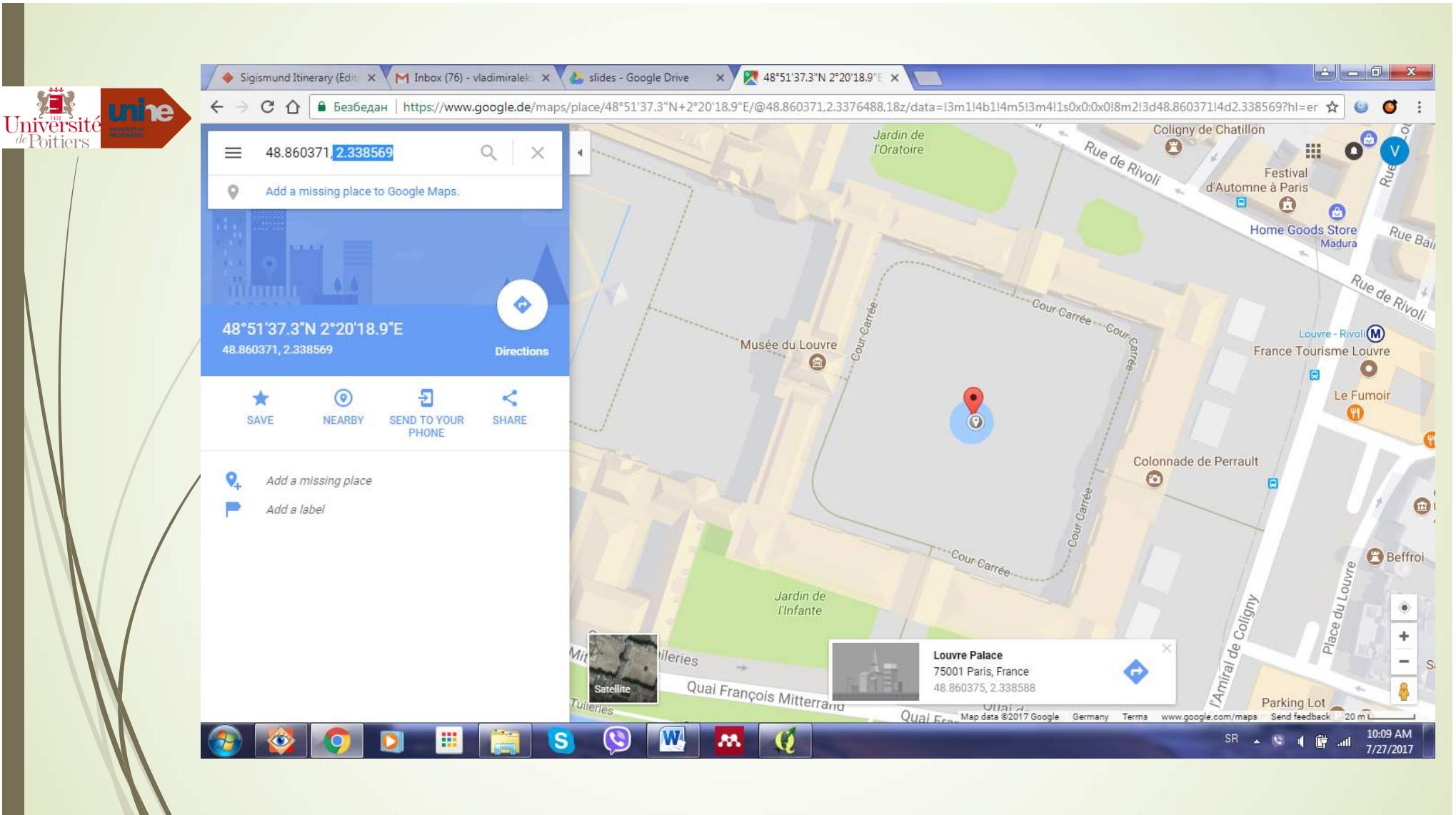


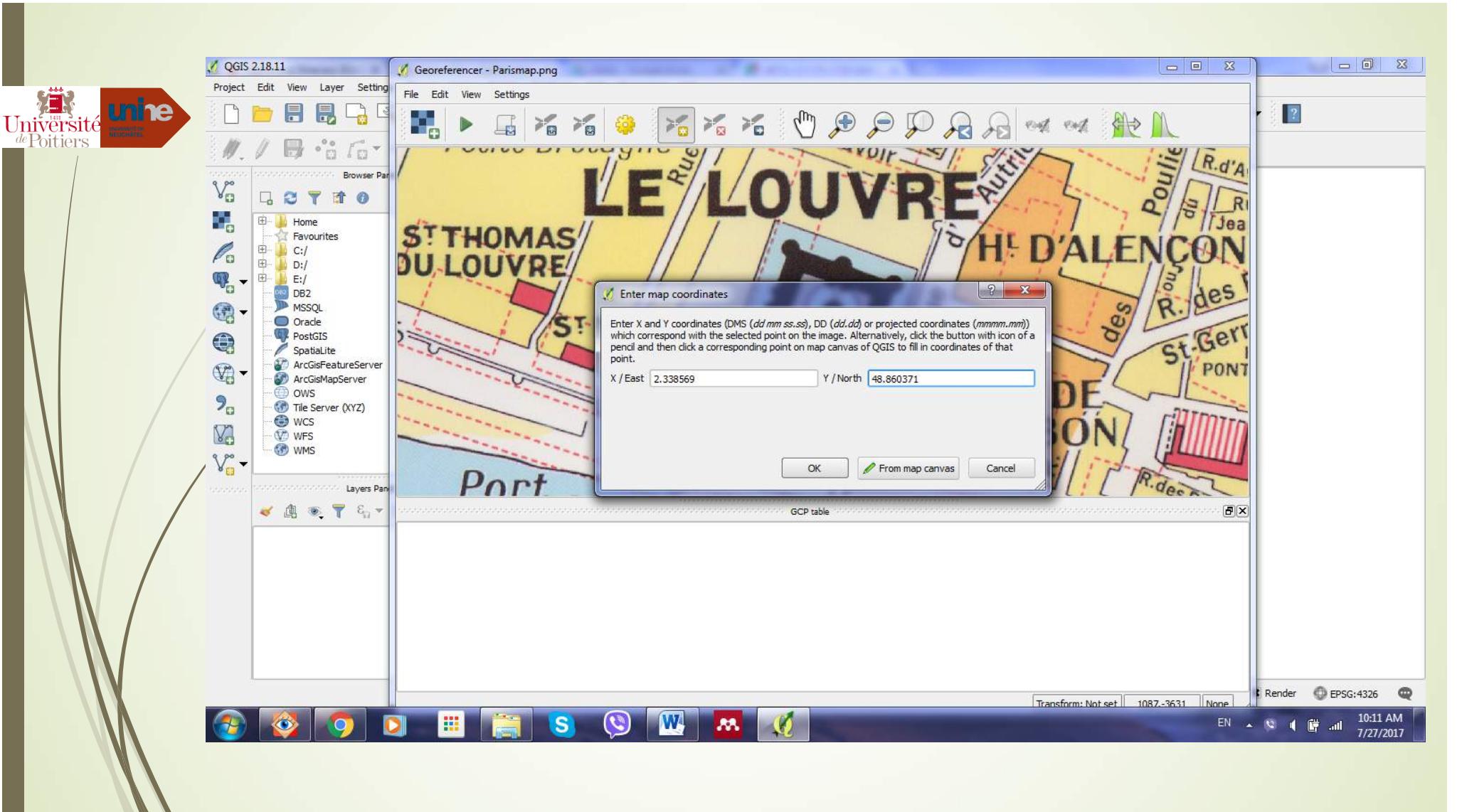


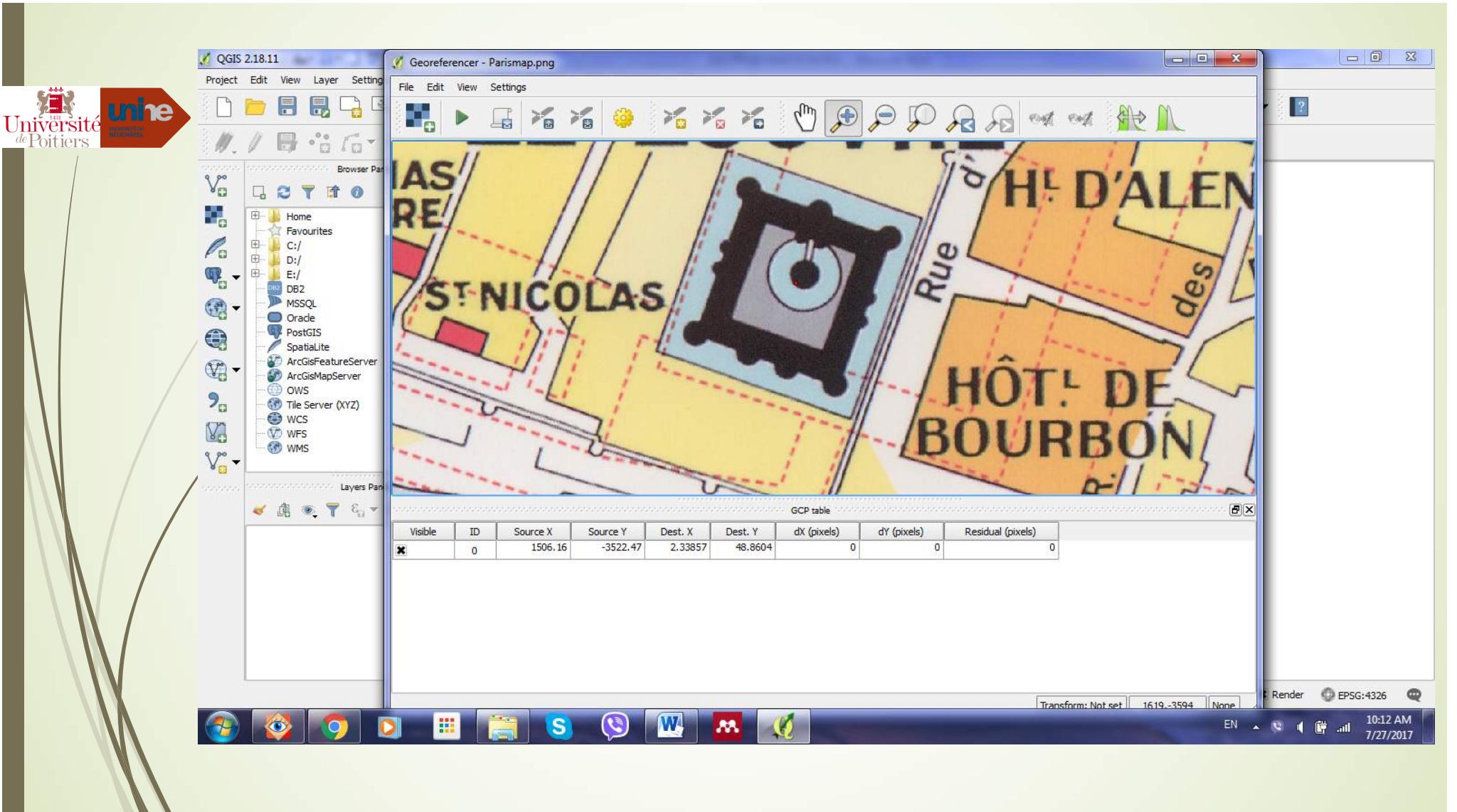


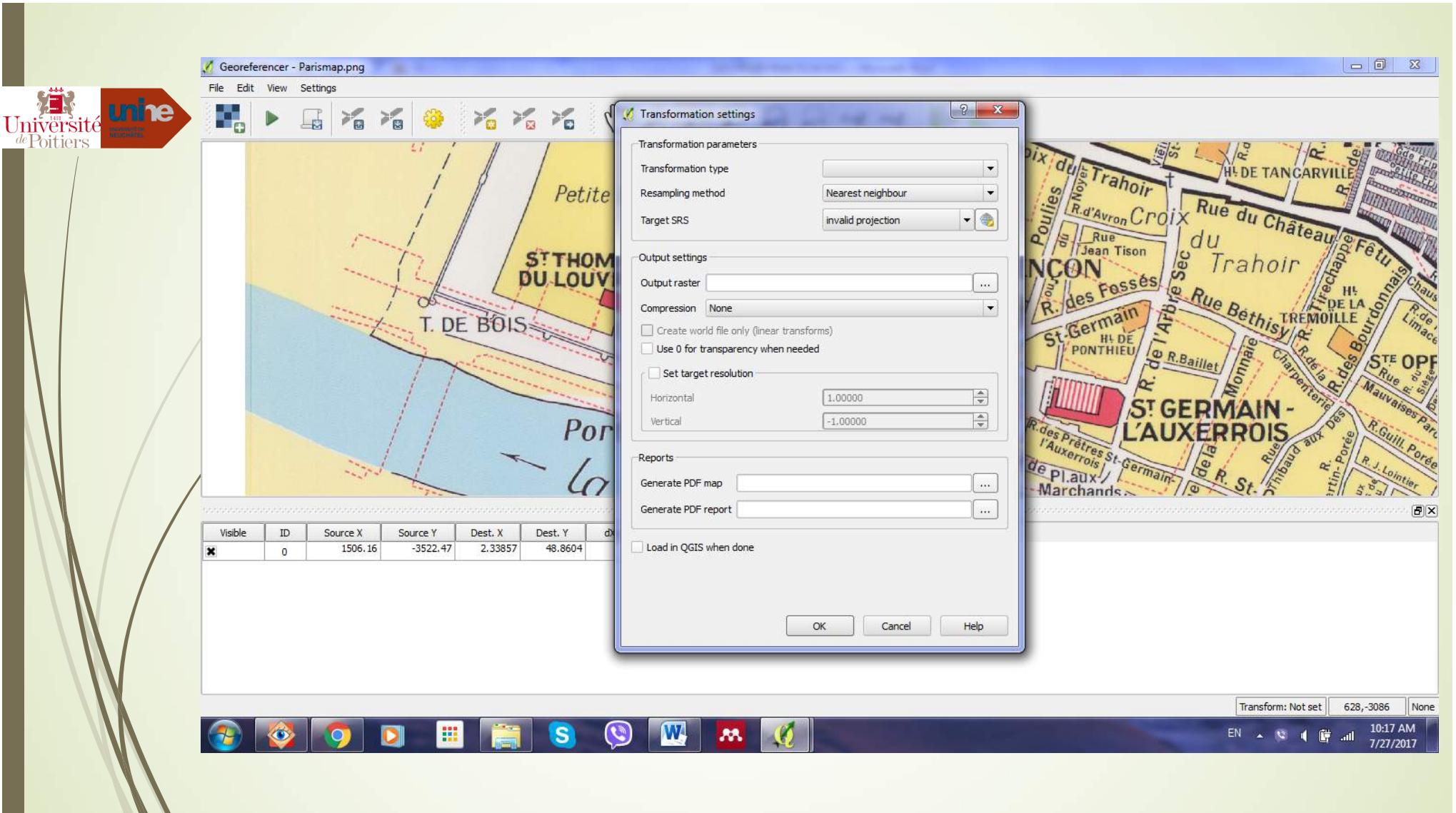


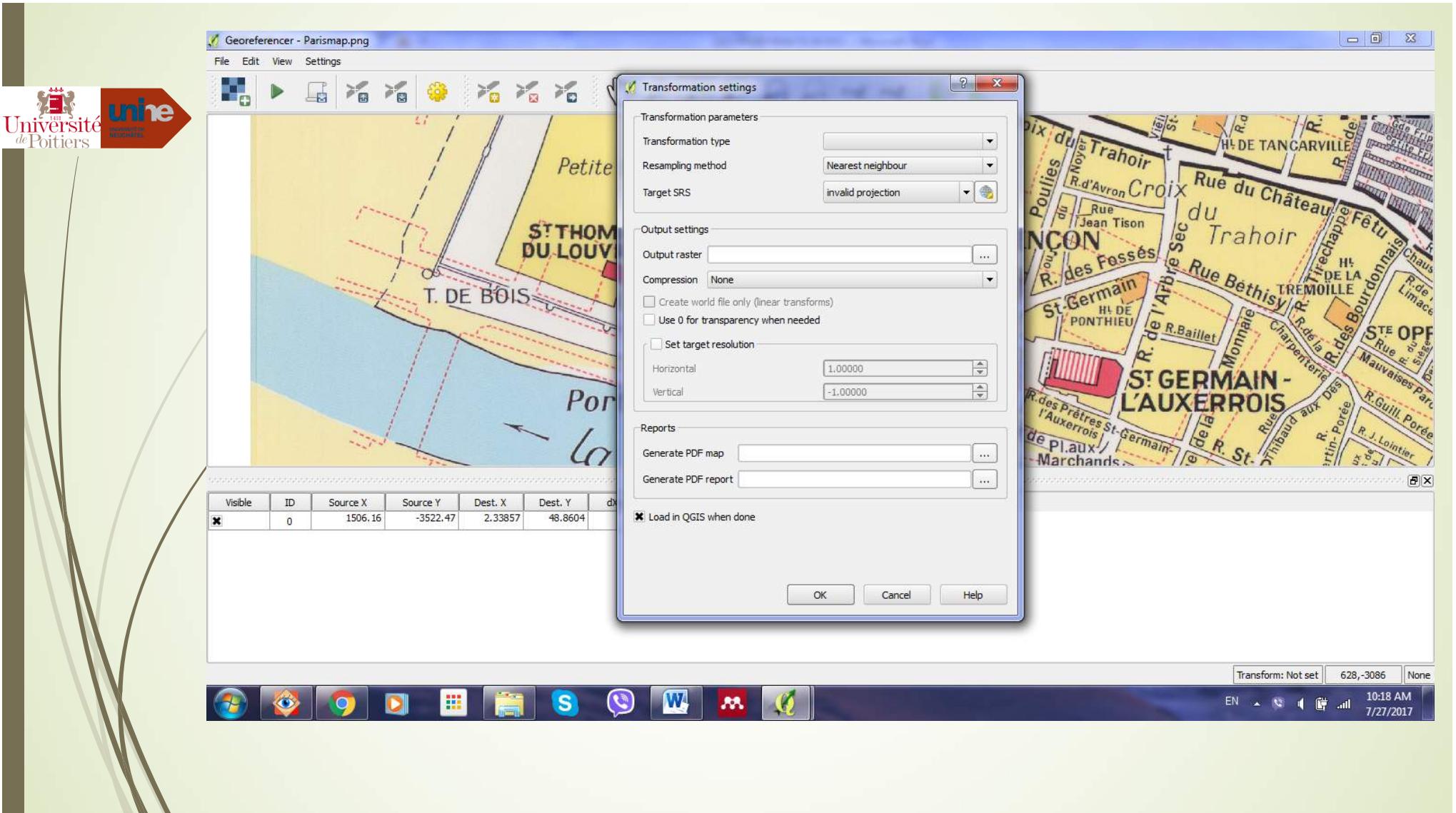


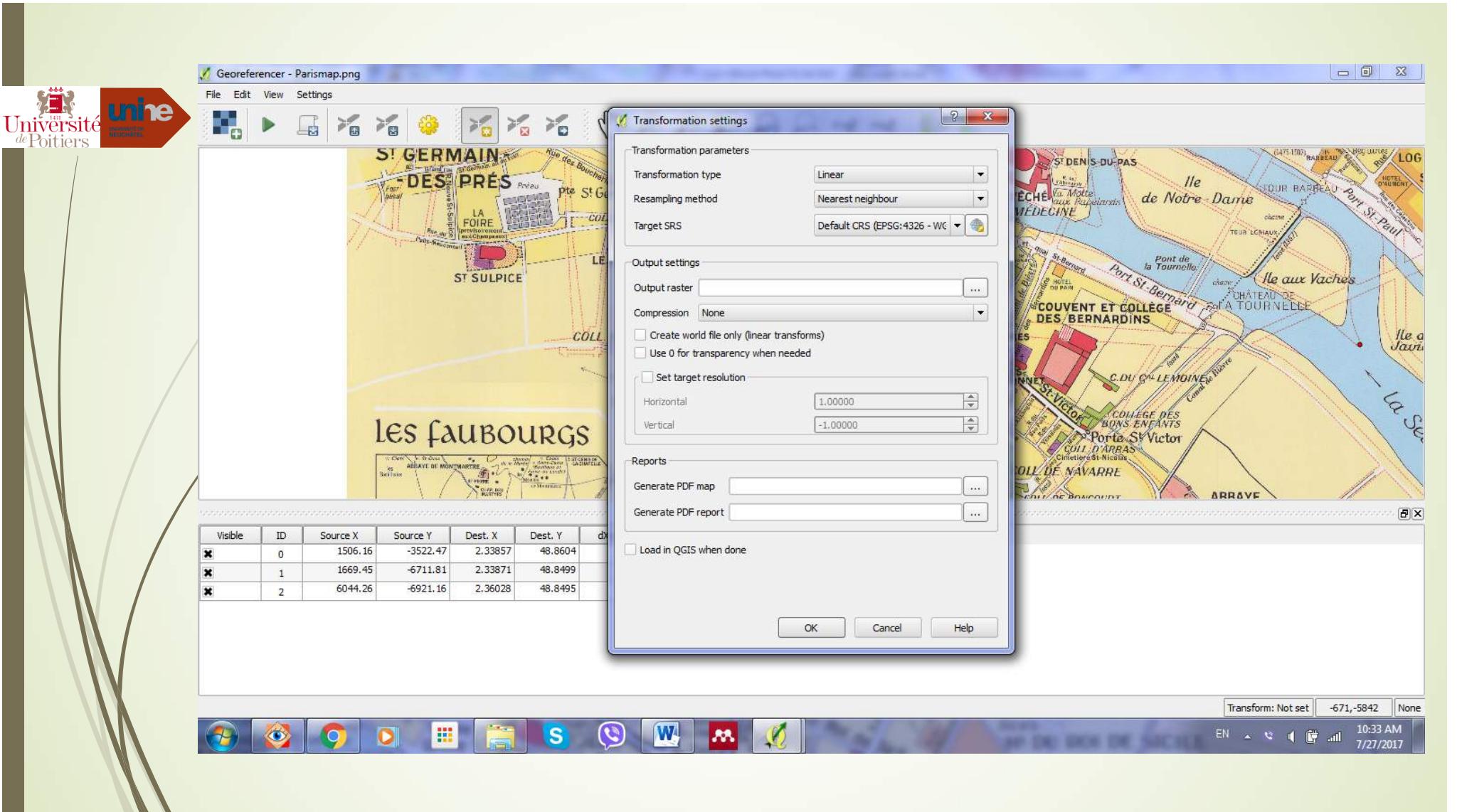


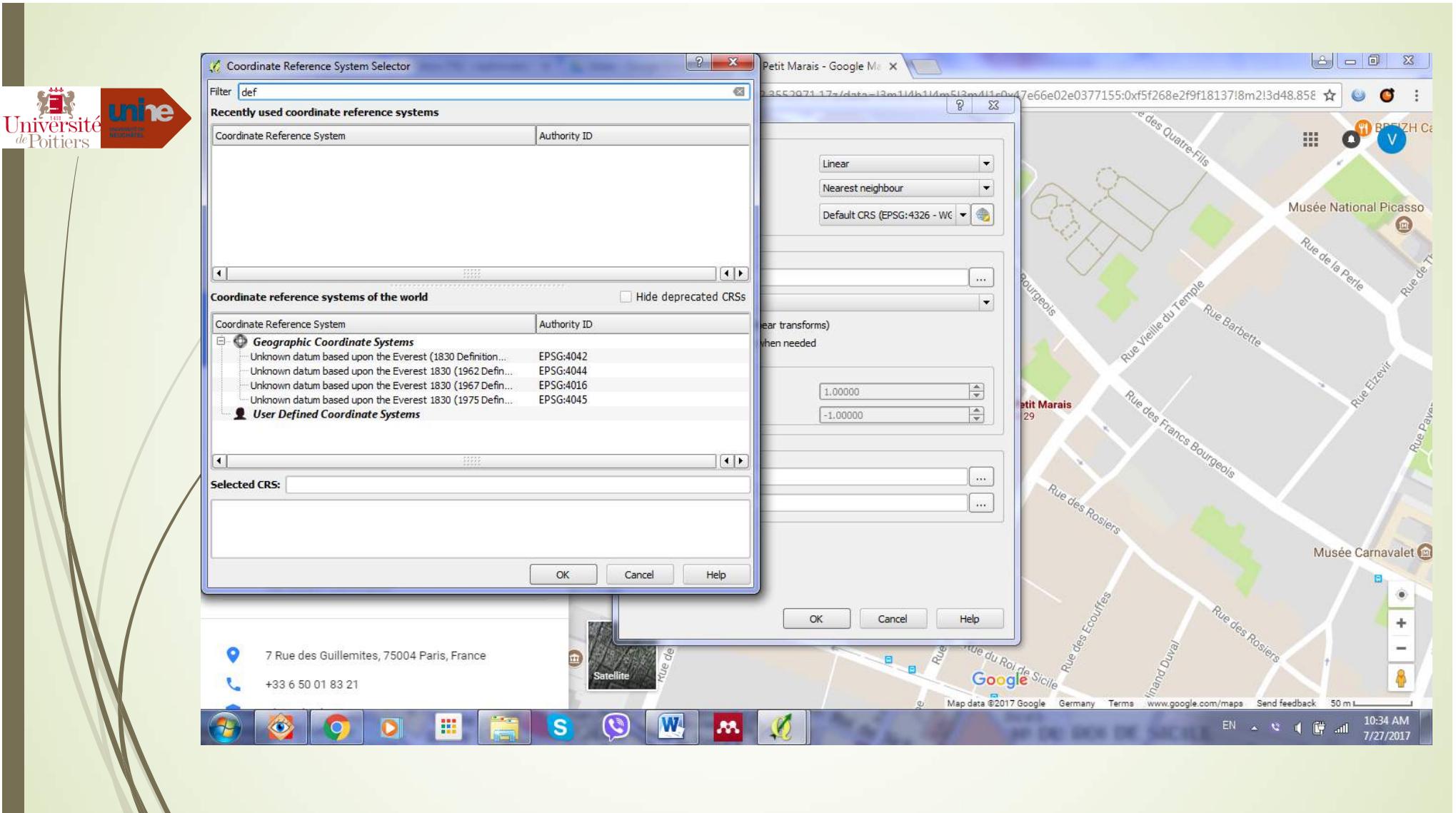


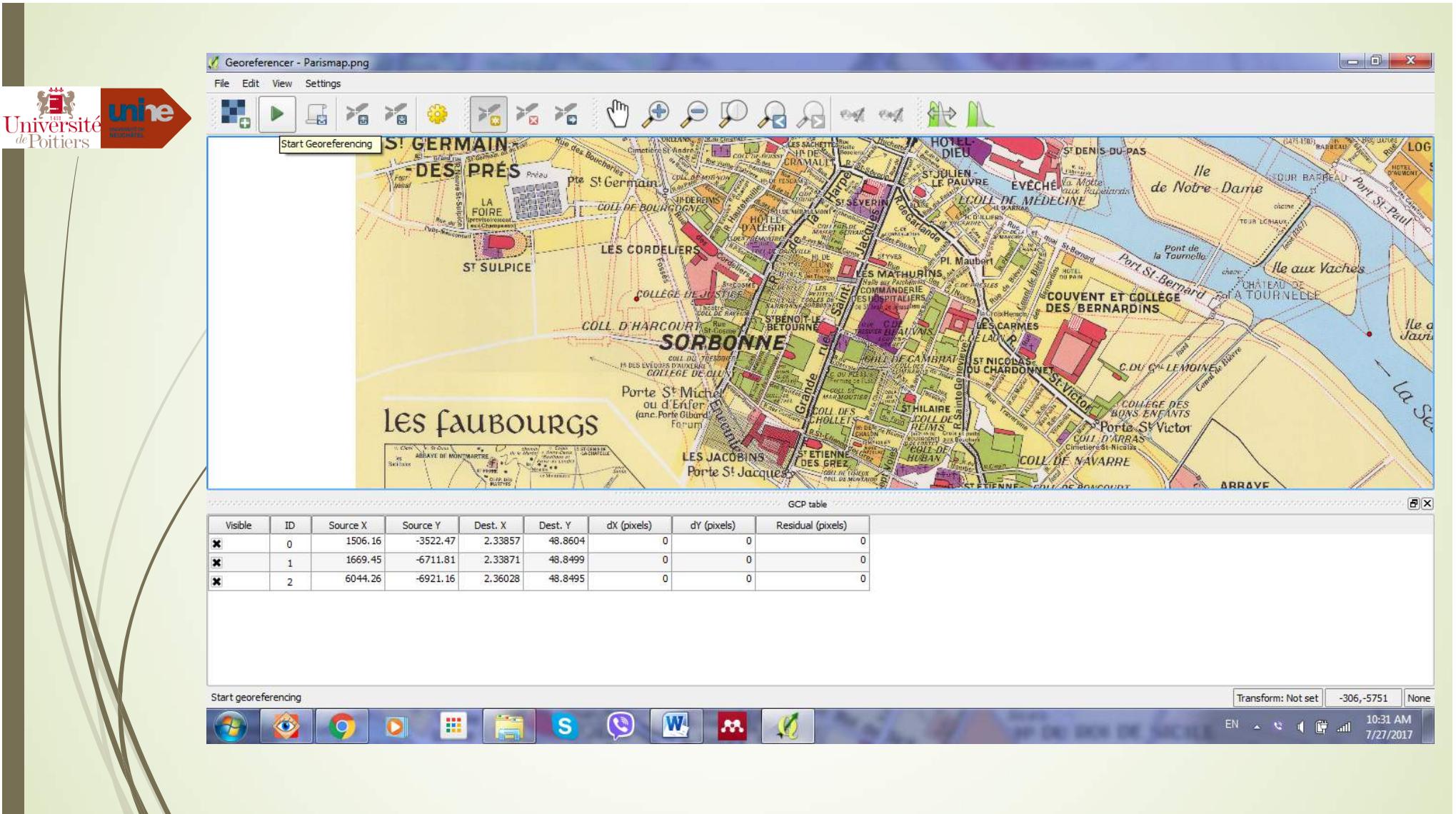






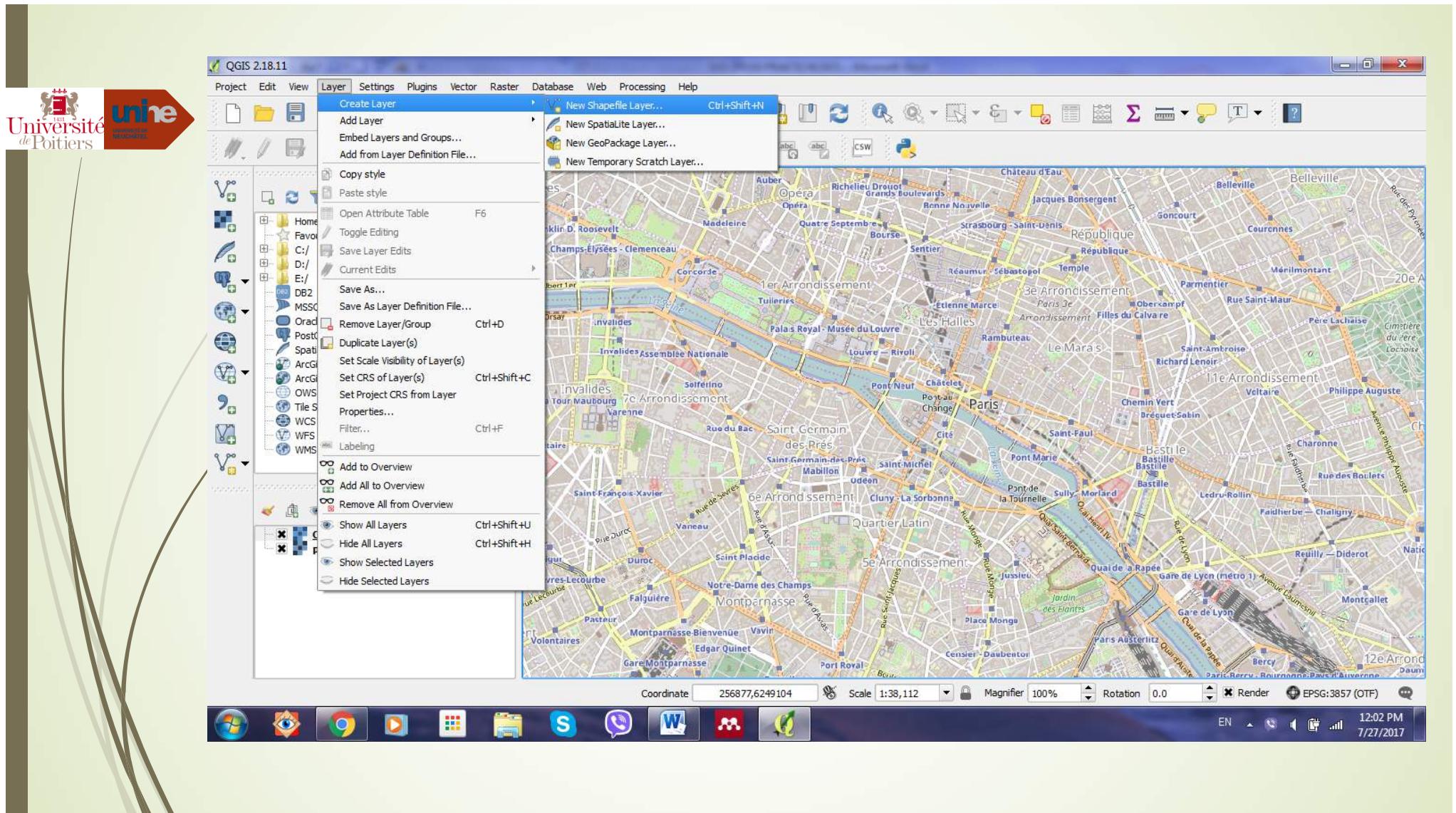


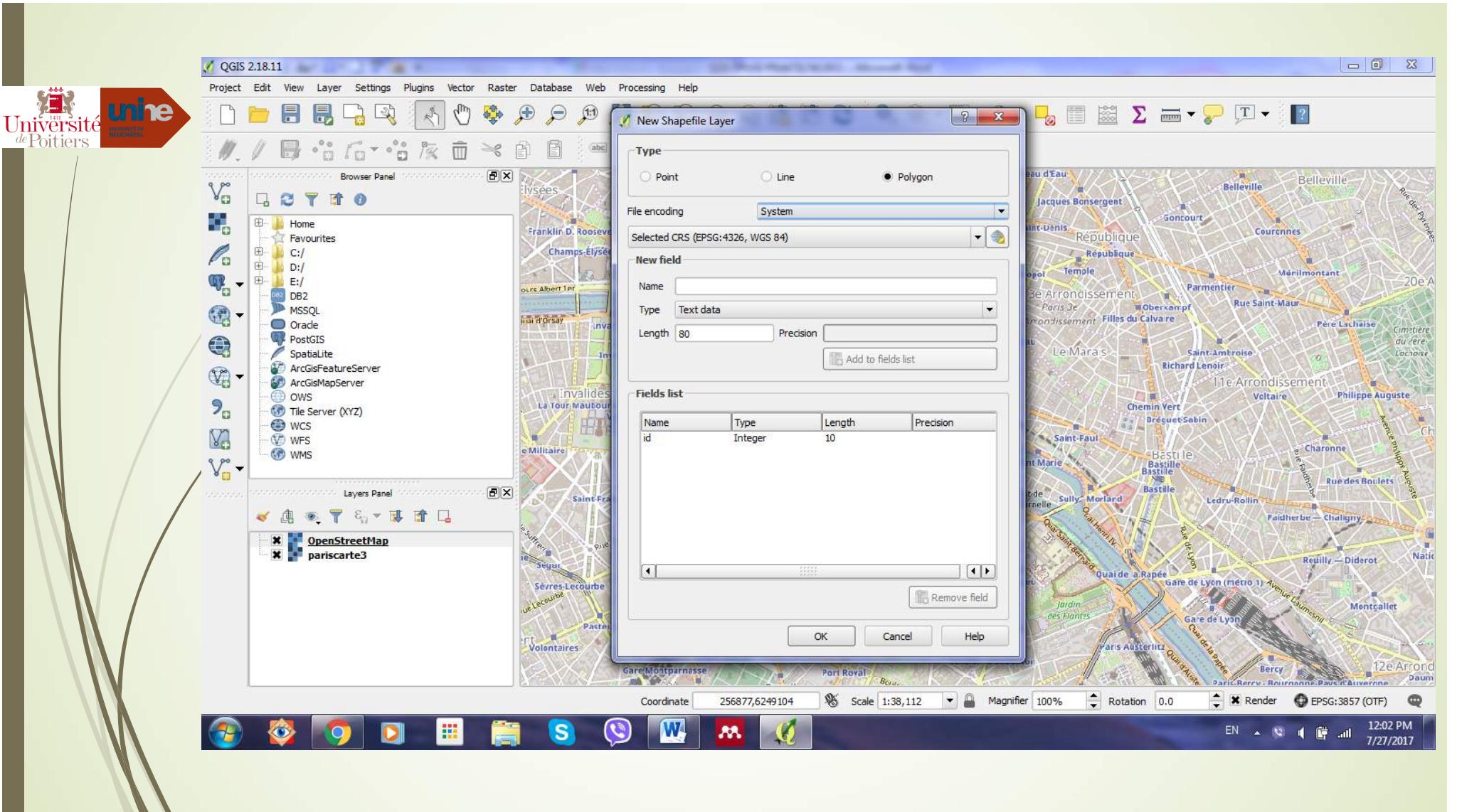


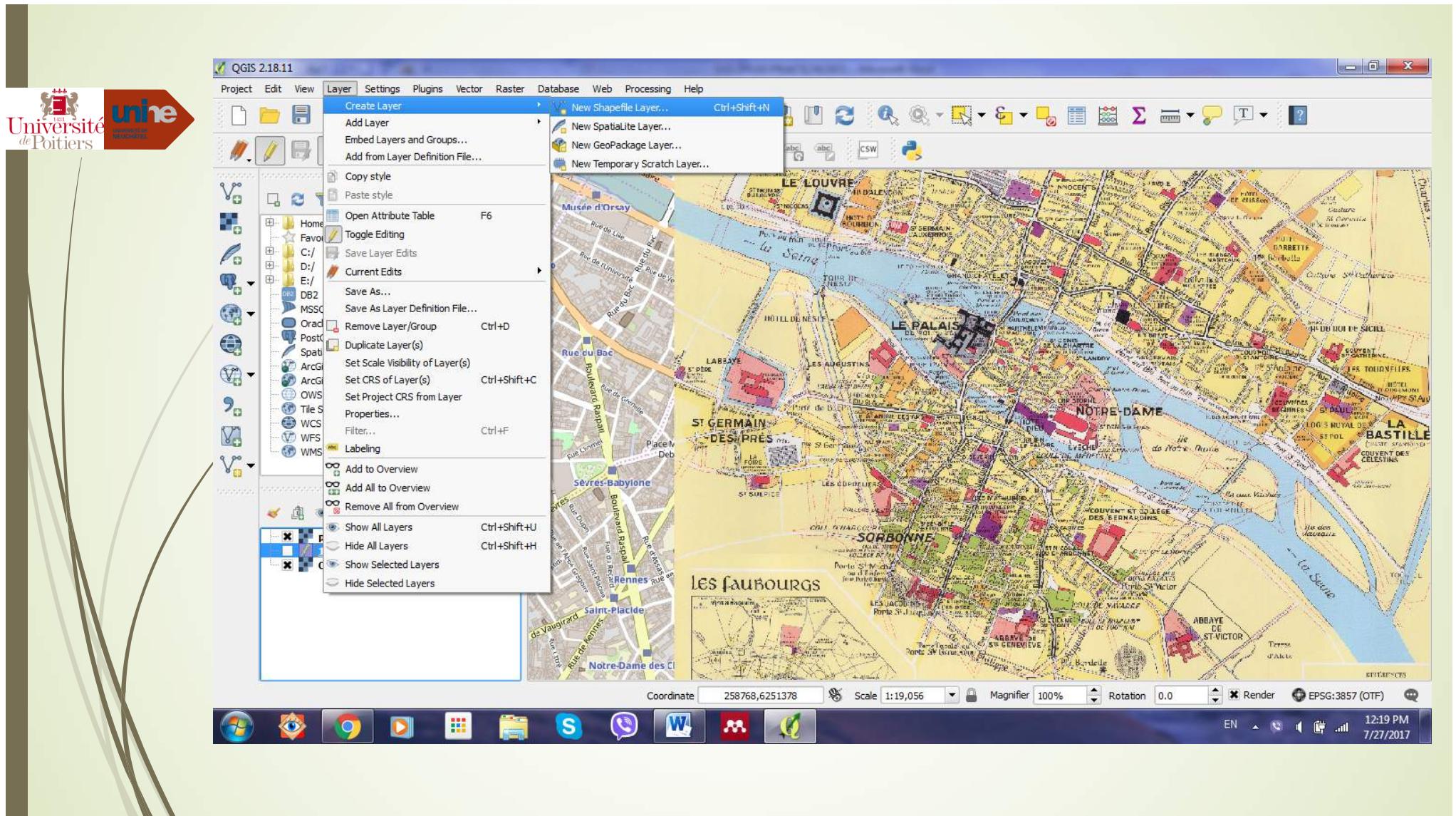


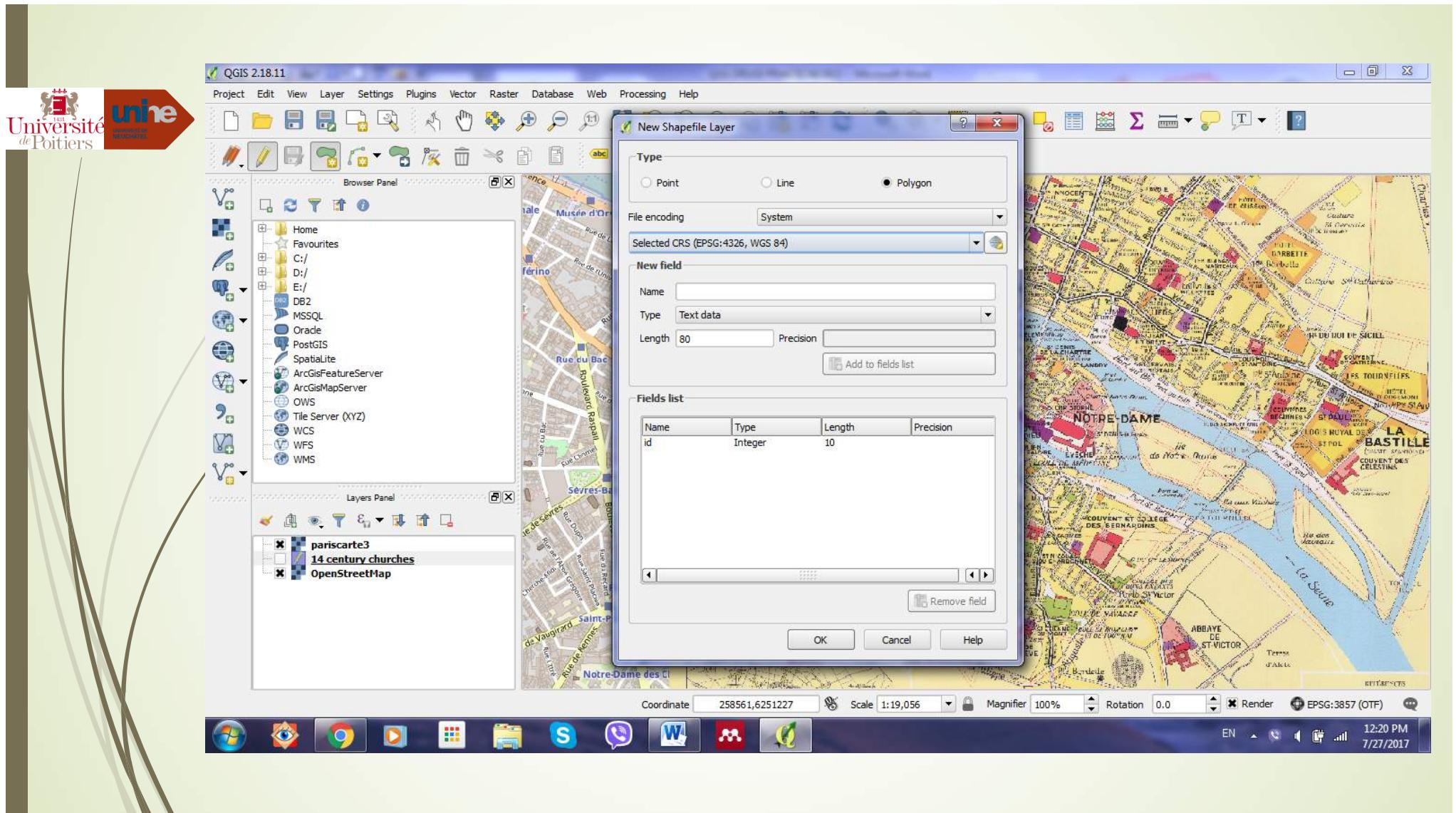


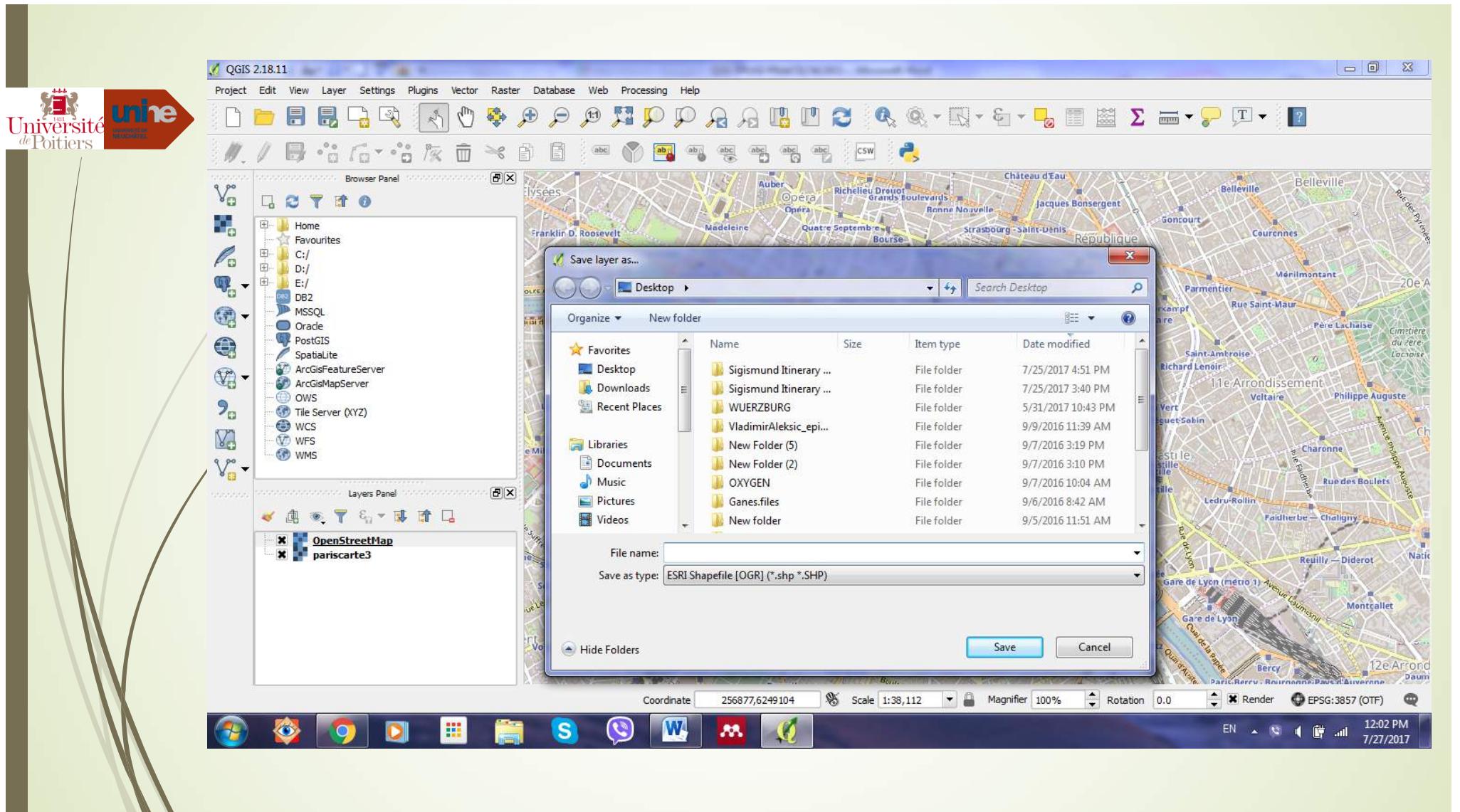
# Layers

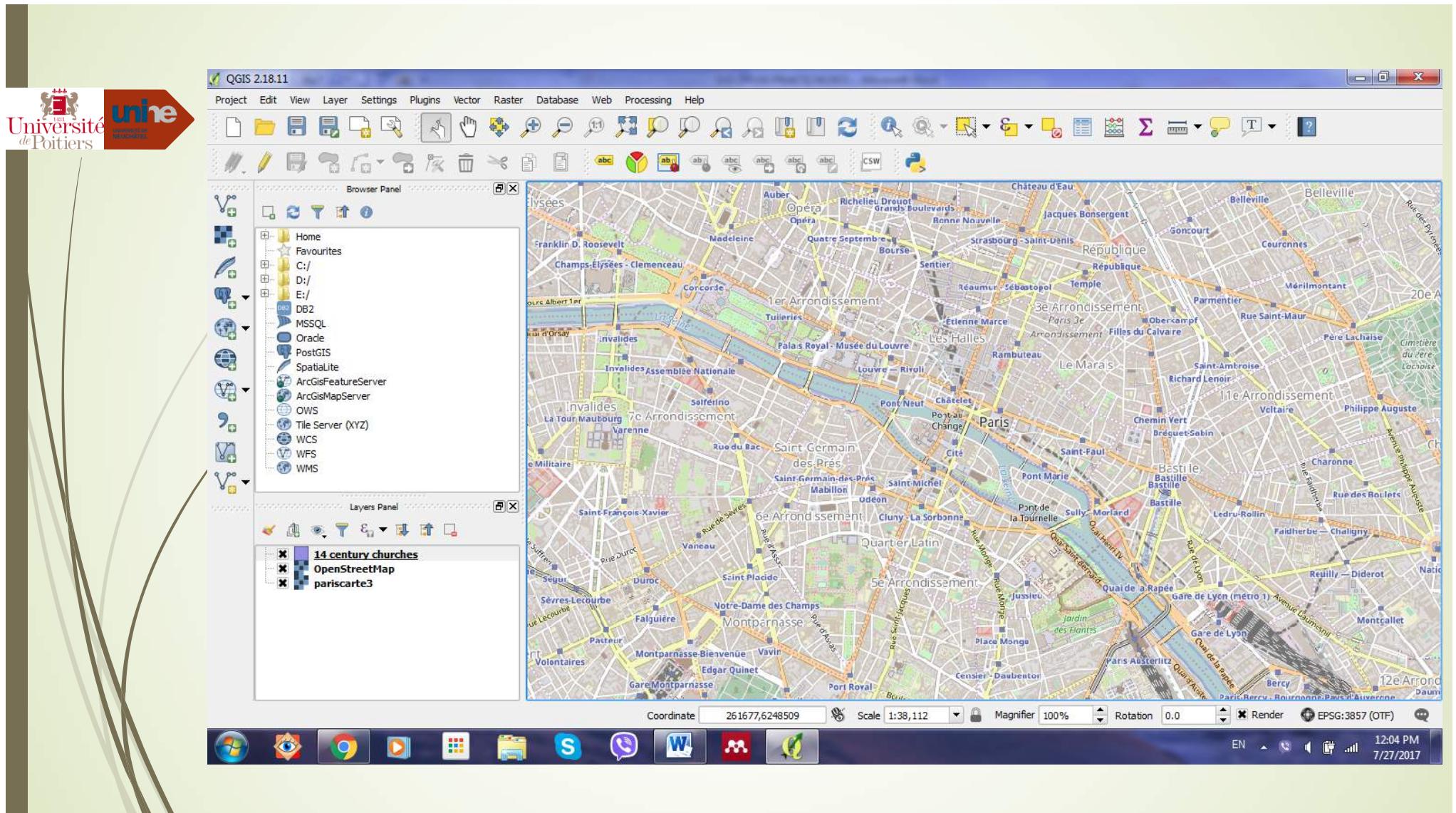


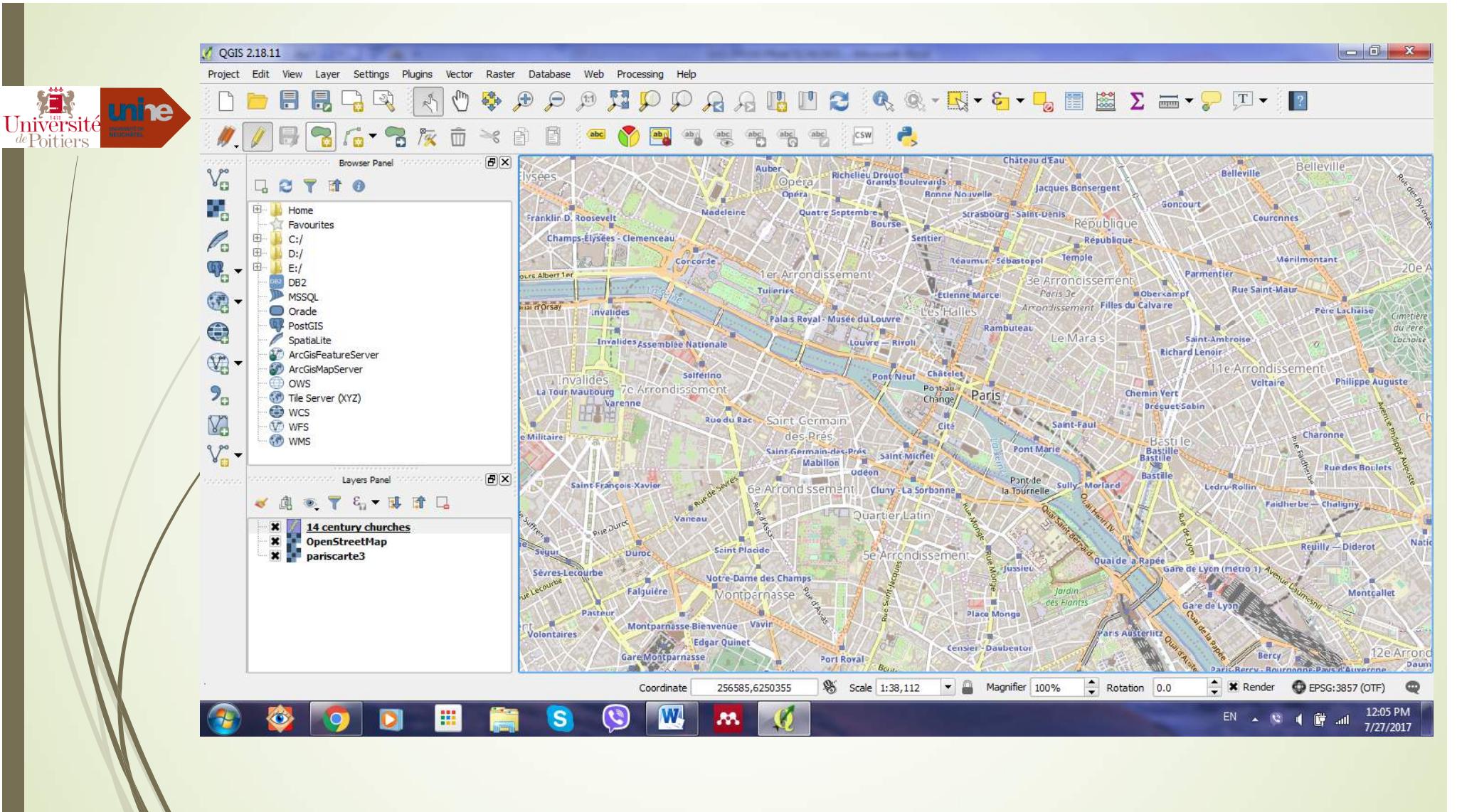


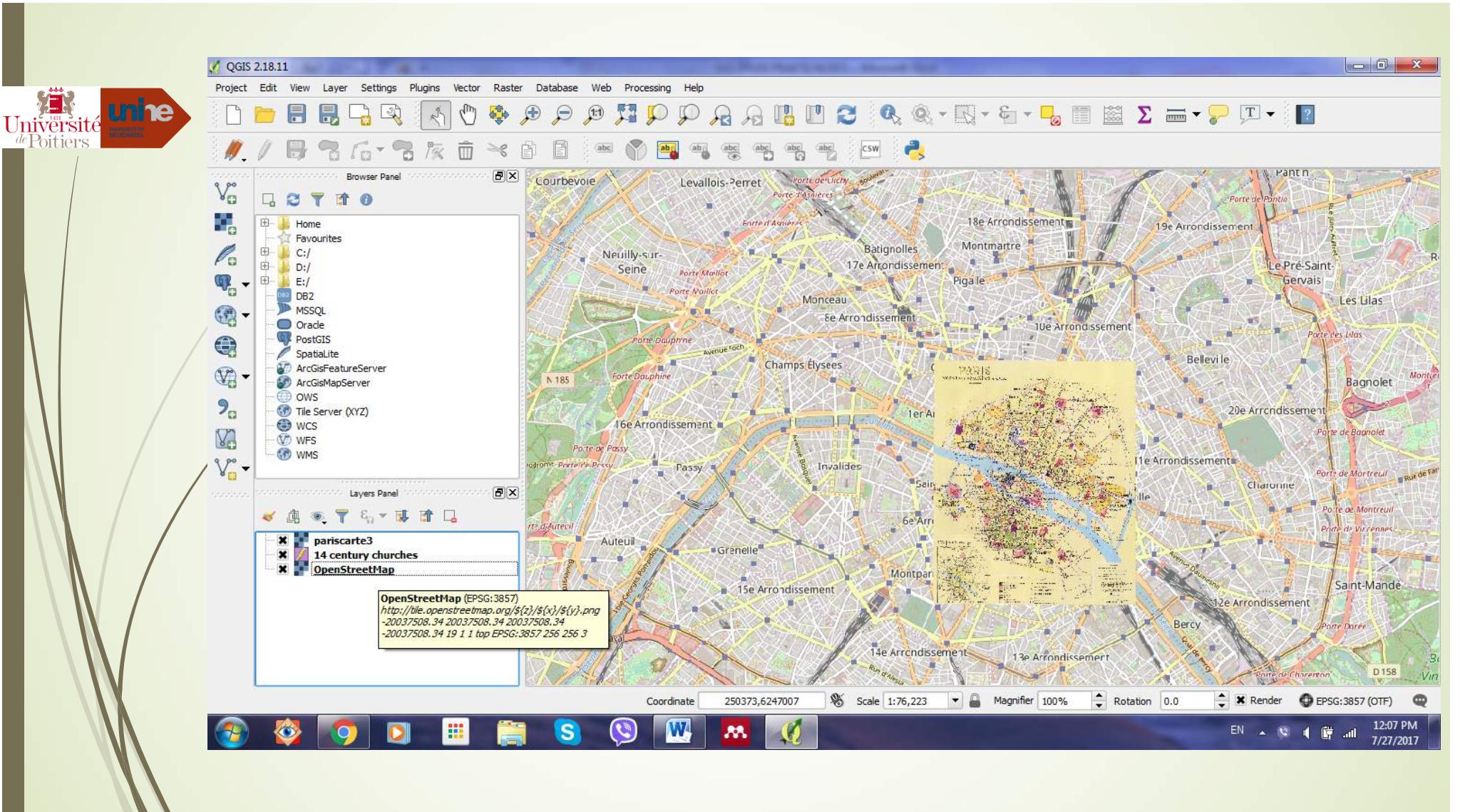


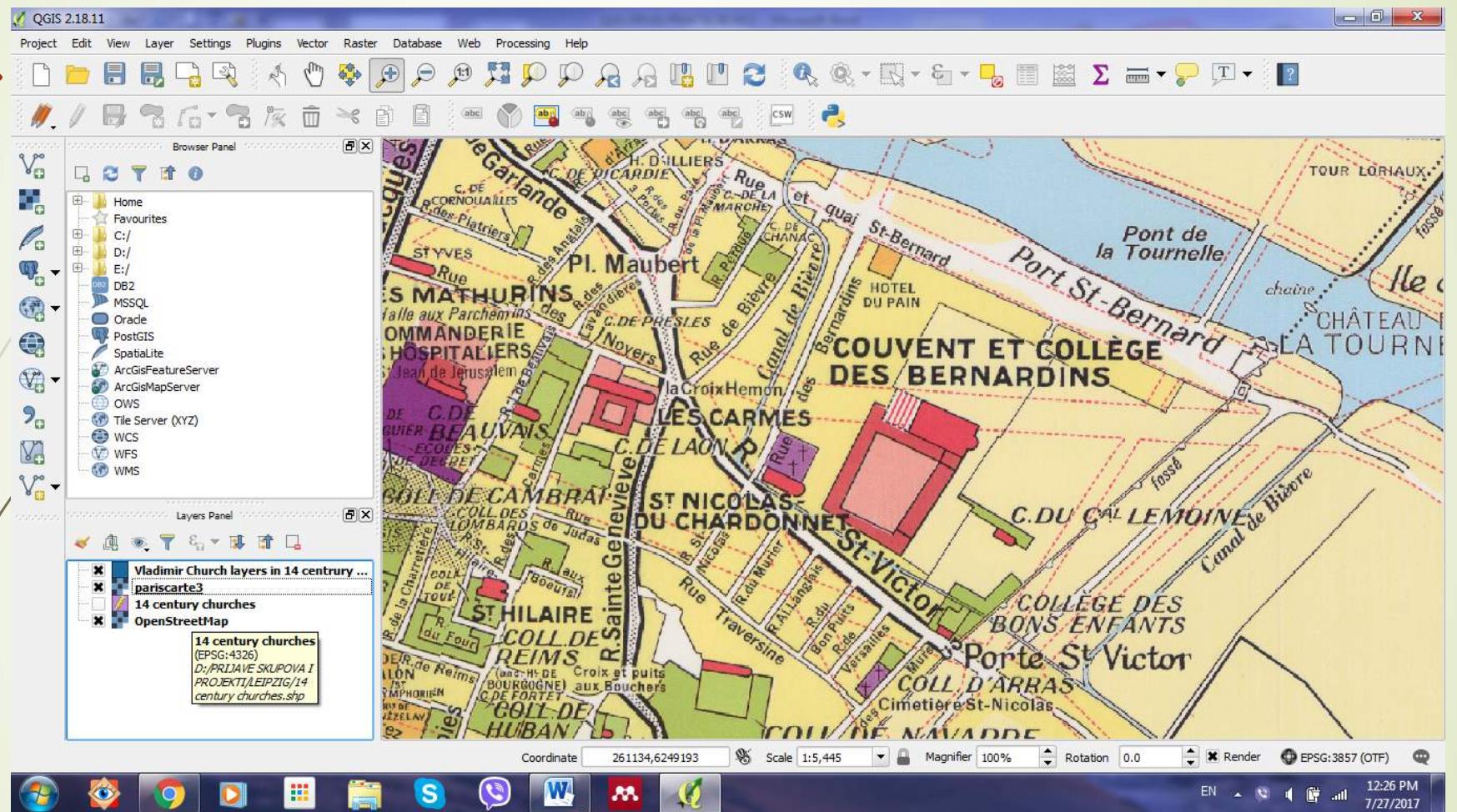


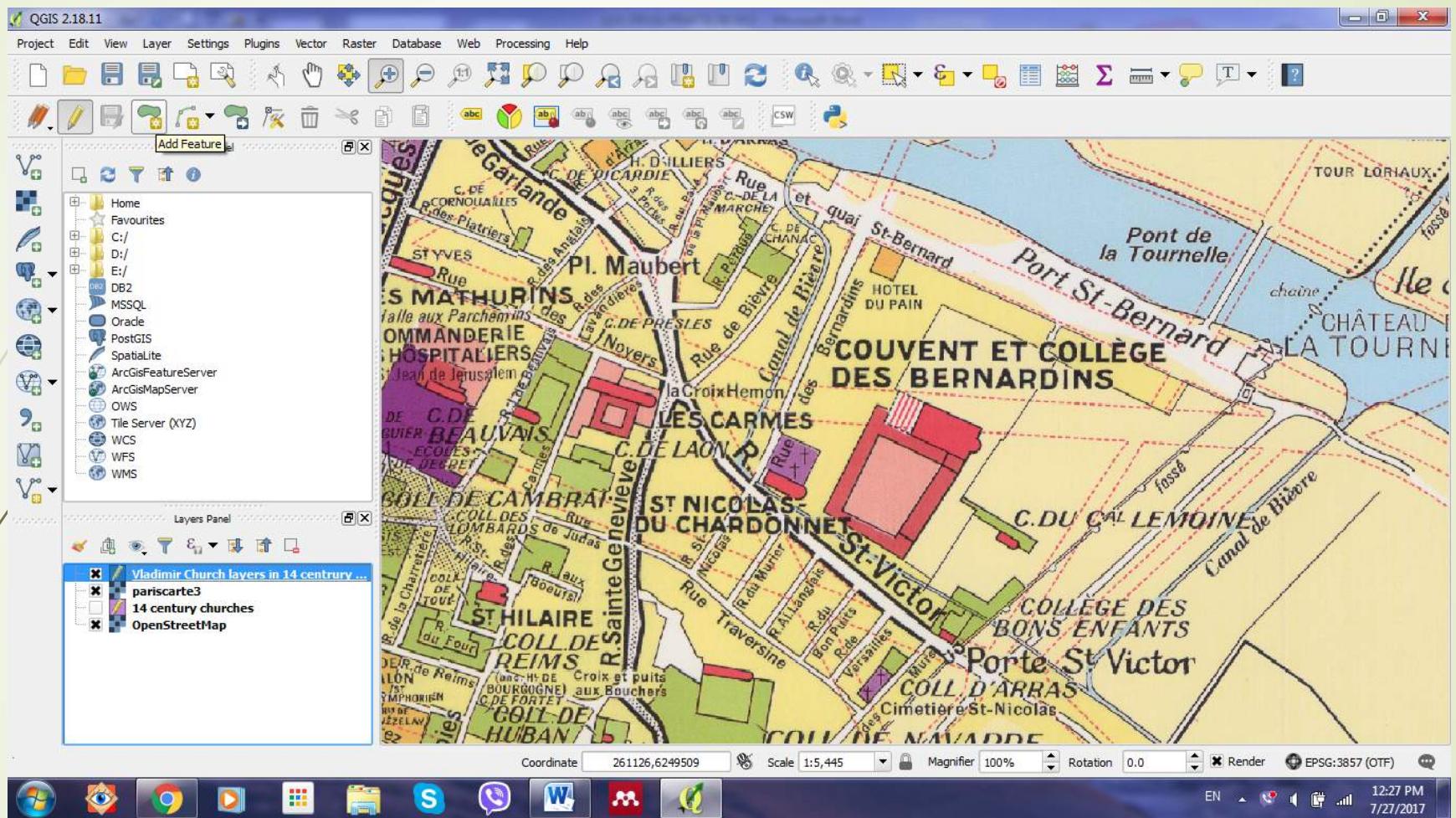


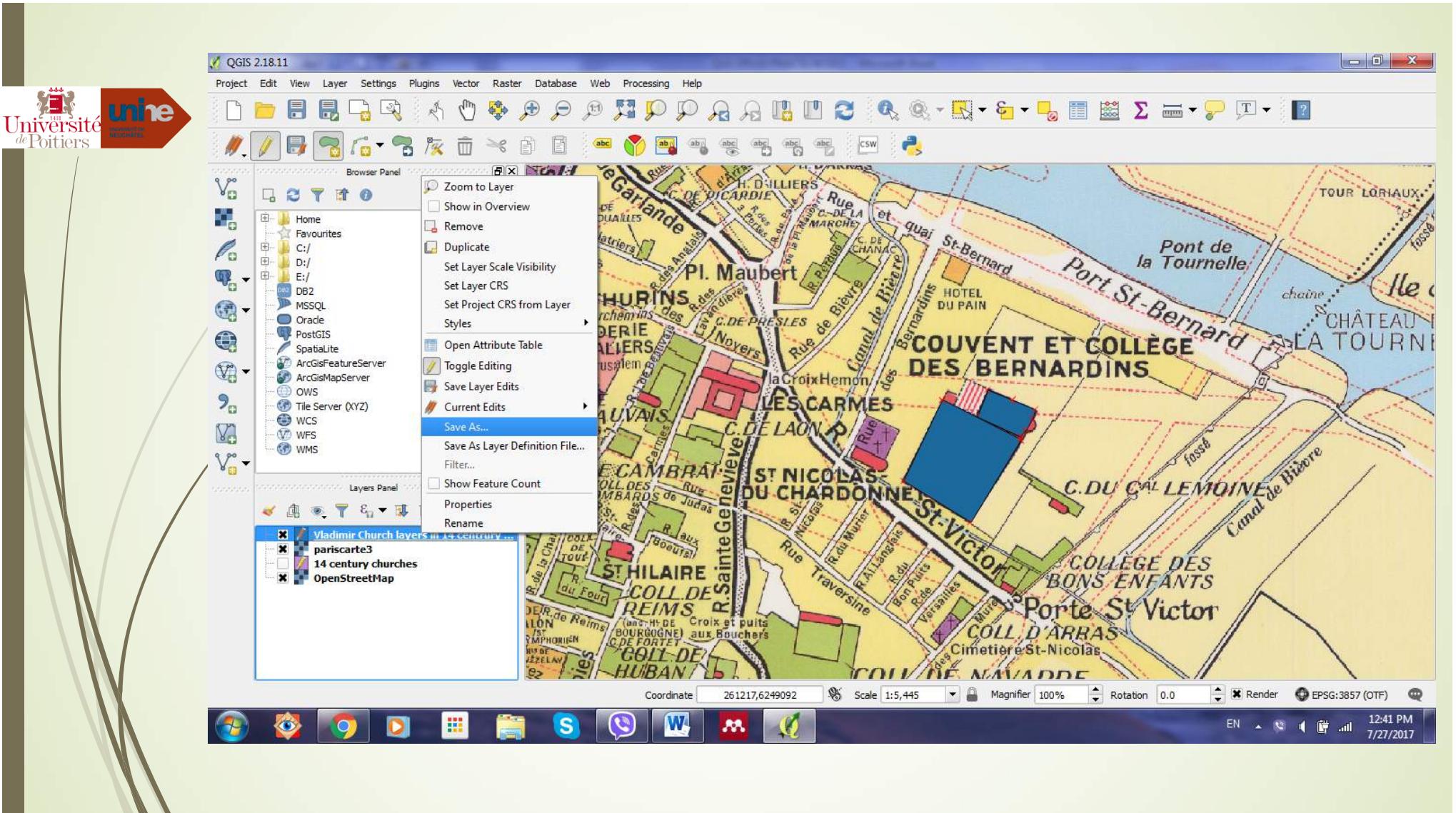


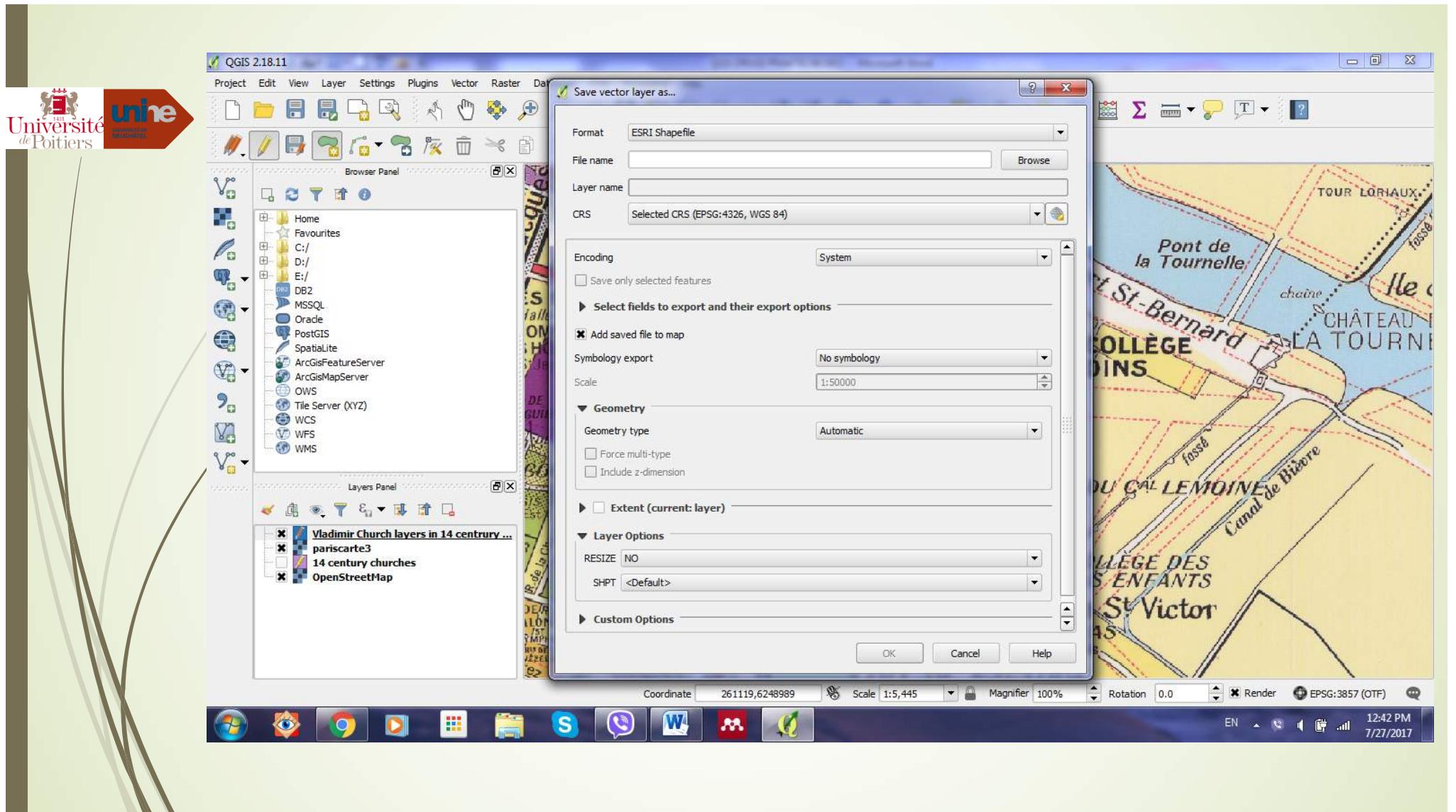












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