



## *New Features*



## Content

1	Introduction.....	4
1.1	News Features for version 6.6.....	5
2	Standard Graph library chart.js.....	6
3	Data Preparation.....	7
3.1	Maps interface enhancement.....	7
3.2	Spatial Server support.....	7
3.3	Improved Drill Definition Interface .....	8
3.4	Push to Data4Citizen.....	9
4	Architect .....	10
4.1	Workflows support .....	10
4.2	KML file support.....	10
4.3	Shape file support.....	10
4.4	DataPreparation Icon .....	11
5	Vanilla Hub.....	12
5.1	Debug and enhancement .....	12
5.2	Open Data Data Source.....	12
6	Metadata .....	13
6.1	“DataViz” Type .....	13
6.2	New Data type .....	13
7	BiGateWay .....	14
7.1	GID : Drag & Drop support.....	14
7.2	Shapefile Source .....	14
7.3	Metadata Definition Interface.....	14
7.4	Architect data visualisation .....	15
7.5	Architect KML data Support.....	15
	KML files managed in Architect can be used as a data source. ....	15
7.6	Geocoding functions.....	16
7.6.1	French BAN Geocoding.....	16
7.6.2	Zone Filter.....	17
7.6.3	Zone Dispatch.....	18
7.7	Examples and documentation .....	18
	Examples and documentation have been updated .....	18
8	Vanilla Portail.....	19
8.1	DataViz Visualization.....	19

8.2	VanillaMaps: support of KML and WFS format .....	20
8.3	Maps format support.....	21
9	WebAnalysis .....	22
9.1	Multi-language support .....	22
9.2	Improved navigation interface to reports .....	23
9.3	Integration of Vanilla Maps (Sql, KML, WFS) .....	23
10	WebDashBoard.....	24
10.1	KPI component to visualize a theme .....	24
10.2	KPI component to display a single KPI value .....	24
10.3	Component D4C to visualize a Data4Citizen visualization .....	25
10.4	DataPreparation component to view a map .....	25
10.5	DataViz component to view a Metadata Explorer DataViz or a DataPreparation DataViz	26
10.6	DataGrid enhancement.....	27
11	WebKpi .....	28
11.1	Full support for standard database .....	28
11.2	KpiLoader : Filter and Export to Data4Citizen and Architect .....	28
11.3	KpiUser : additional information .....	29
11.4	KpiUser : New “All Kpi” DataViz .....	30
12	BIRT .....	31
12.1	Icon for updating reports .....	31
12.2	PlugIn for Vanilla Maps.....	31

## 1 Introduction

This documentation presents the latest innovations and functions available with version **VANILLA VERSION 6.6, AN UPDATE OF PLATEFORMS VANILLA 6, 6.2 & 6.4 WITH NEW FEATURES FOR THE FOLLOWING MODULES :**

*“Data Preparation,  
Architect,  
Vanilla Hub  
Metadata  
BiGateWay,  
Vanilla Portal  
Vanilla Analysis  
WebDashboard  
Data4Citizen  
”*



## 1.1 News Features for version 6.6

All charts for the platform are now with a new graph library- chart.js

New functions to define maps (multiple support) and native support for GeoServer and ArcGis

Ability to place DataViz and DataPreparation maps in dashboards

Many improvements BiGateWay (documentation, typing columns, geocoding)

Vanilla Metadata offers new properties for DataViz

Vanilla Analysis offers multi language interface at label level

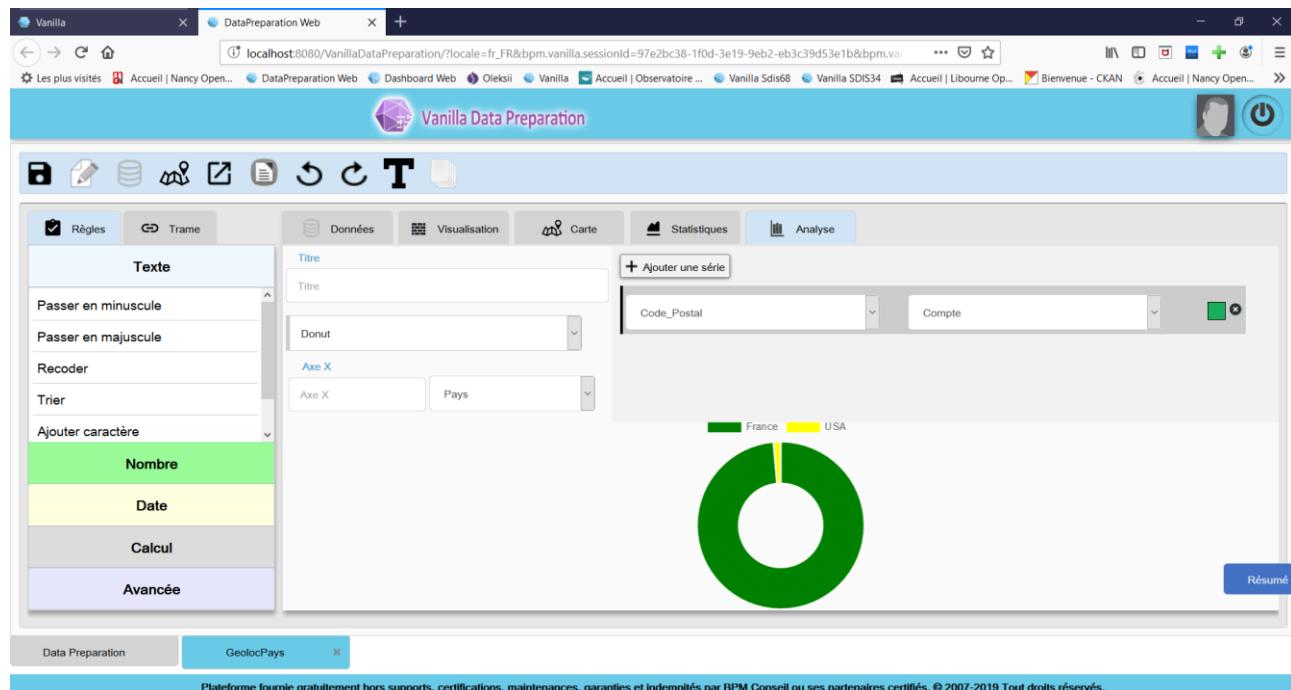
Vanilla Dashboard offers new components and an improved data grid

Advanced integration with Data4Citizen (porting of data types and metadata)

## 2 Standard Graph library chart.js

In all our interfaces where we propose graphics, we have standardized with the library chart.js, which is the graph library we use for Data4Citizen. Thus, when users move from our BI platform to our Open Data platform, they still enjoy an identical visual for graphs.

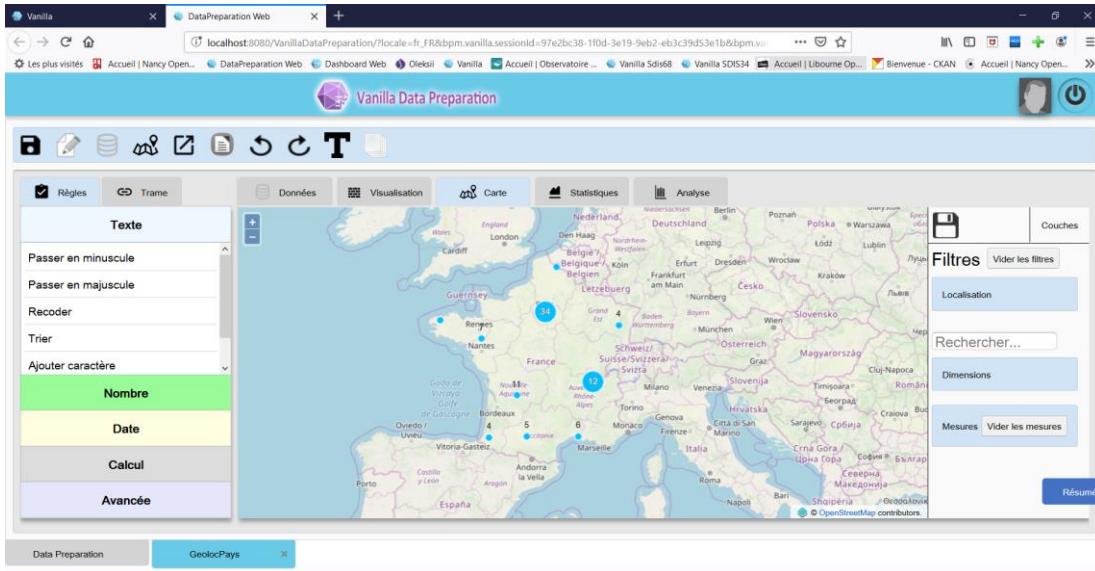
This evolution concerns modules: Metadata Explorer, Data Preparation, WebDashboard, WebAnalysis



## 3 Data Preparation

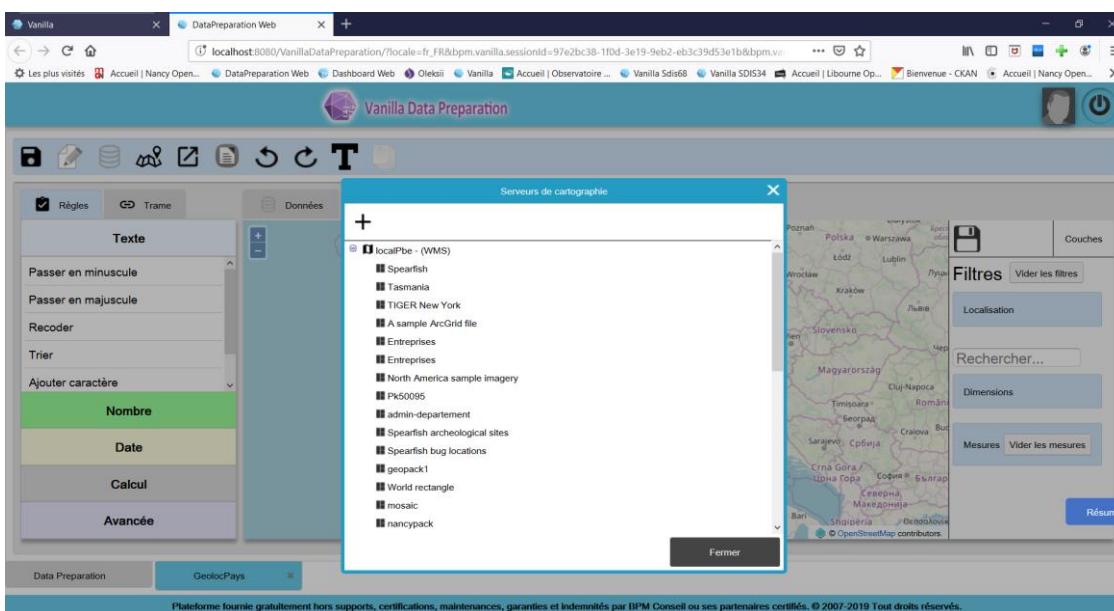
### 3.1 Maps interface enhancement

DataPreparation supports the "Geolocal" data type, which must contain the geographic coordinates of each point (WGS84 format). In this case, the interface uses this information directly to create the Geojson file, which decreases the display time of the cards



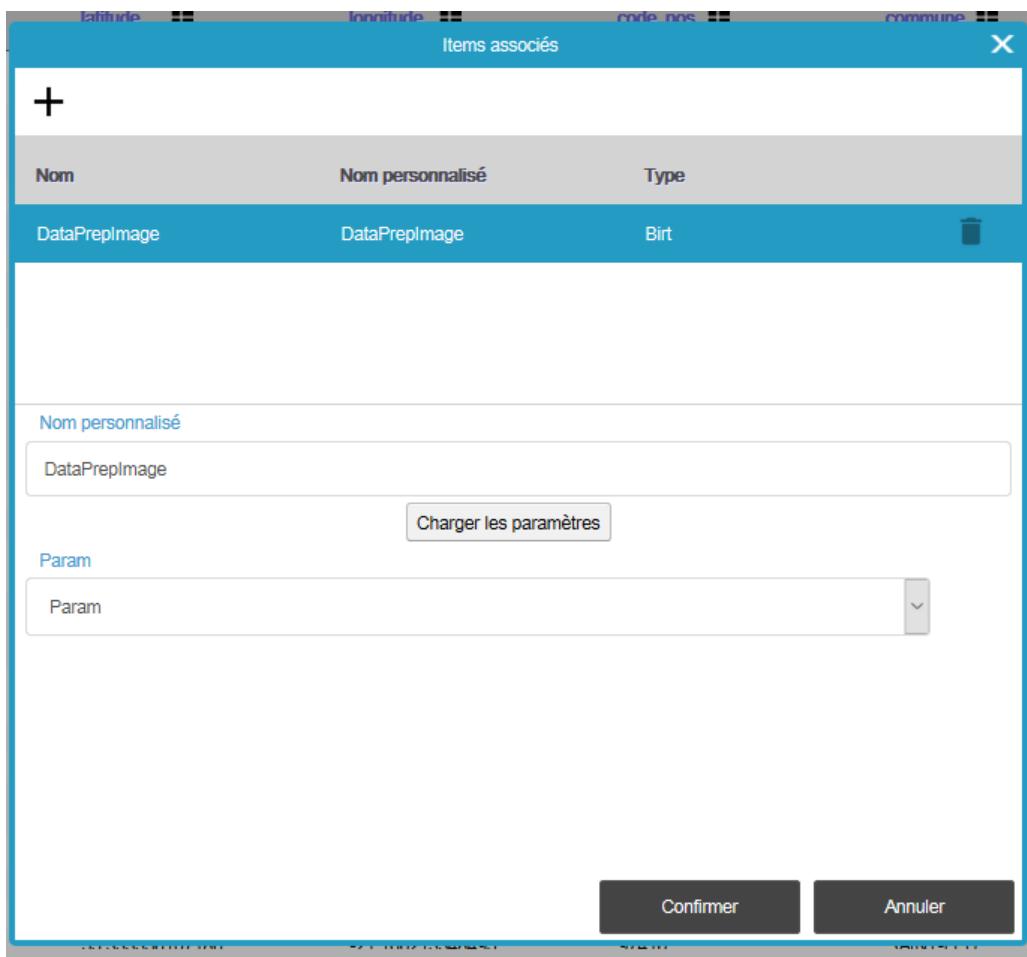
### 3.2 Spatial Server support

The interface provides definition and addition of available maps and layers from spatial data servers, such as GeoServer or ArcGis.



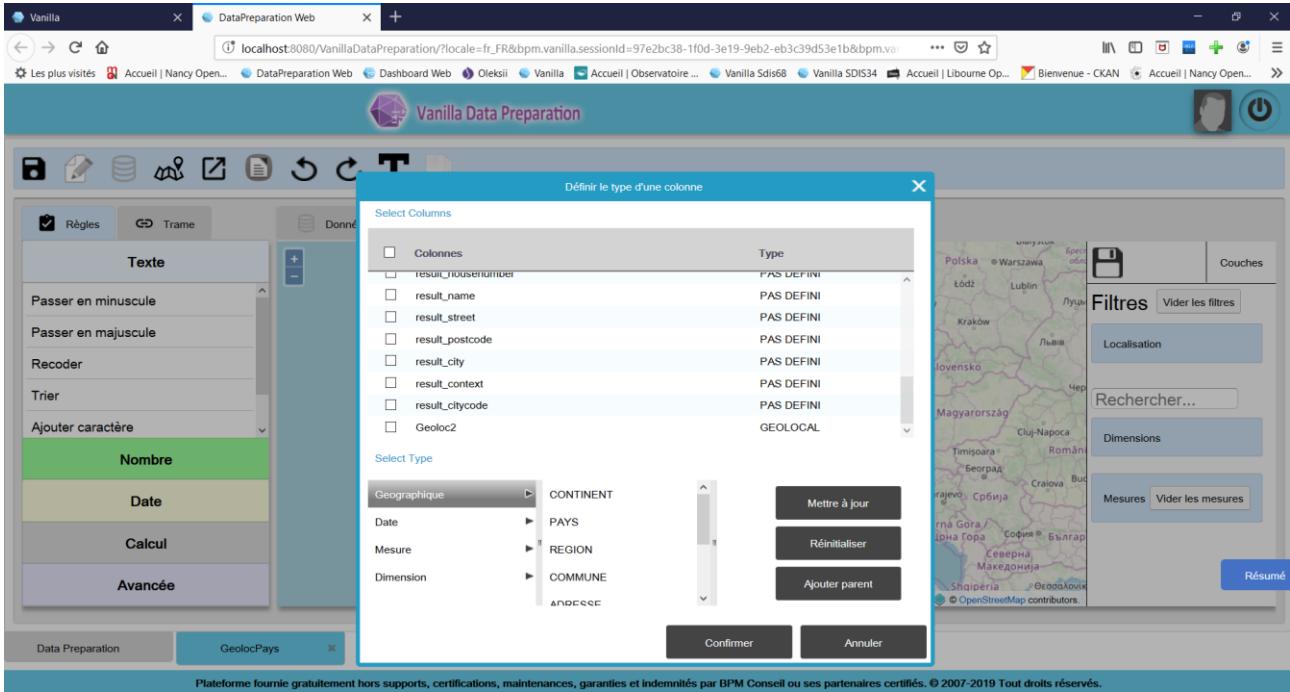
### 3.3 Improved Drill Definition Interface

The drill definition interface to Vanilla documents (report, cube) has been enhanced to support different parameter definitions for each target document.



### 3.4 Push to Data4Citizen

Map definitions, including layer definitions, data types (DataViz types), and additional elements such as detail reports can be published on Data4Citizen, where they can be used directly. Thus, all the work on Metadata in Vanilla is directly viewable in our Open Data platform (for example, facet definitions, typing columns like word clouds, calendars, etc.)

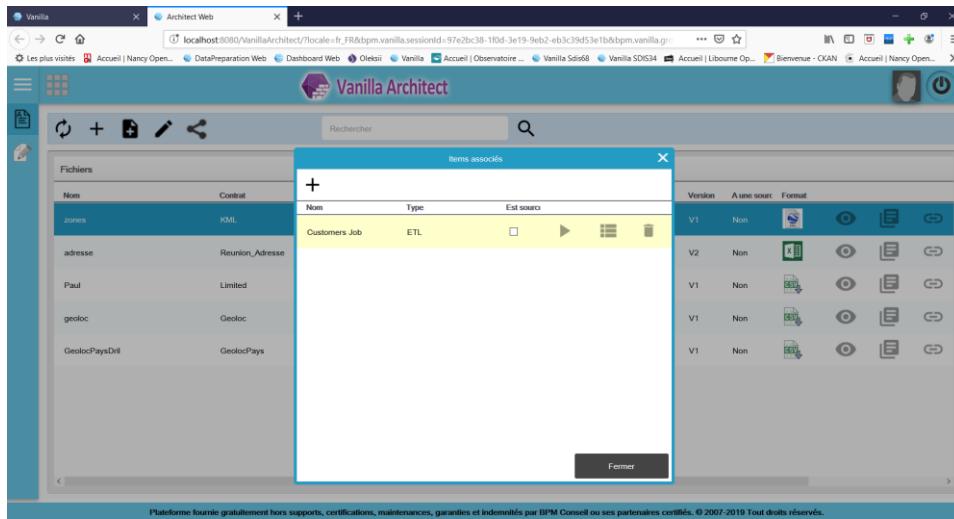


The screenshot shows the Vanilla Data Preparation web application. A modal dialog titled "Définir le type d'une colonne" (Define the type of a column) is open. It lists several columns under "Colonnes" and their corresponding types: result\_houseNumber (PAS DEFINI), result\_name (PAS DEFINI), result\_street (PAS DEFINI), result\_postcode (PAS DEFINI), result\_city (PAS DEFINI), result\_context (PAS DEFINI), result\_citycode (PAS DEFINI), and Geoloc2 (GEOLOCAL). Below this, a "Select Type" section shows a tree structure under "Geographique": CONTINENT, PAYS, REGION, and COMMUNE. The "PAYS" node is expanded. At the bottom of the dialog are buttons for "Mettre à jour" (Update), "Réinitialiser" (Reset), and "Ajouter parent" (Add parent). The background shows a map of Central Europe with various regions labeled in multiple languages. On the left, there's a sidebar with tabs for "Texte", "Nombre", "Date", "Calcul", and "Avancée". The "Nombre" tab is selected.

## 4 Architect

### 4.1 Workflows support

In addition to ETLs, Workflows can now be associated with a dataset, so that a complex update process can be implemented.



### 4.2 KML file support

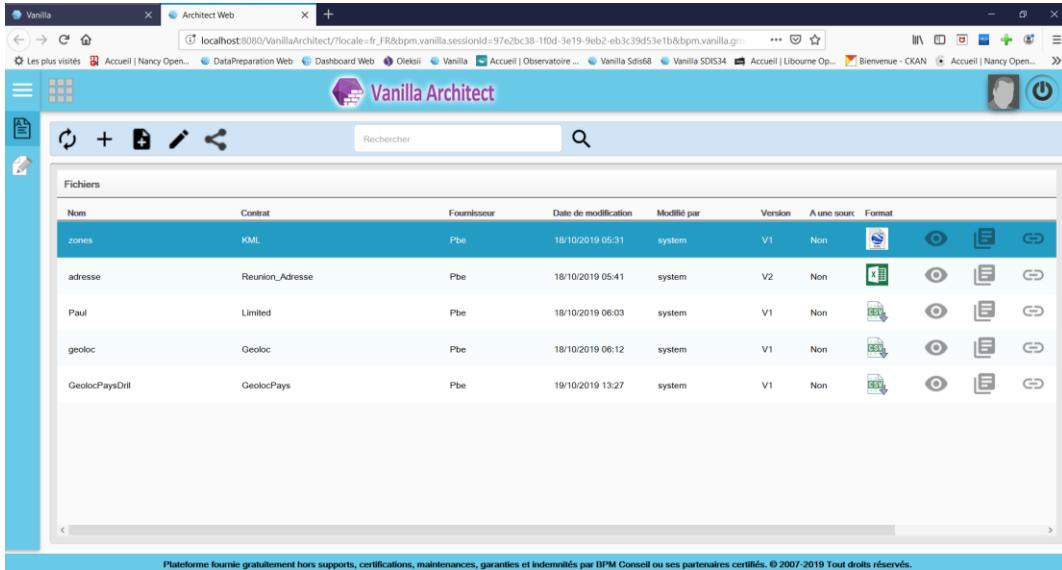
In order to be managed by users, for example when used in ETL processes, KML files can now be loaded into the Architect file repository

### 4.3 Shape file support

In order to be managed by users, for example when used in ETL processes, Shape files can now be loaded into the Architect file repository

## 4.4 DataPreparation Icon

A "Data Preparation" icon allows direct access to the interface, which facilitates the switch between the two interfaces, one playing the role of external file management and the other allowing the visualization of the data and production of data maps.



The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Architect Web". The main content area is titled "Vanilla Architect" and displays a "Fichiers" (Files) section. This section lists several files with their details:

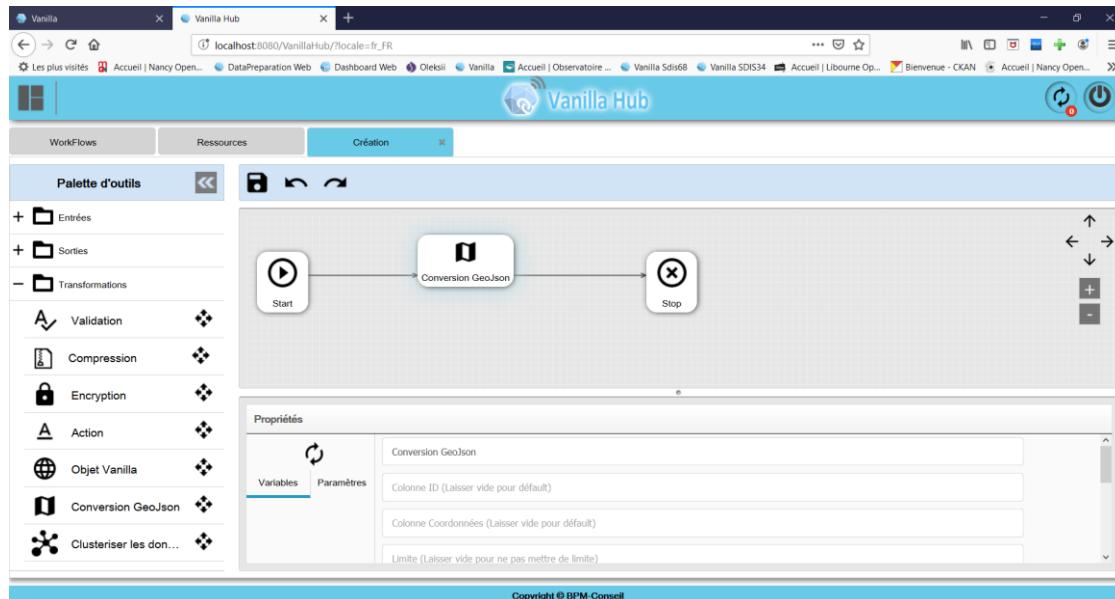
Nom	Contrat	Fournisseur	Date de modification	Modifié par	Versions	A une sourc	Format
zones	KML	Pbe	18/10/2019 05:31	system	V1	Non	
adresse	Reunion_Adresse	Pbe	18/10/2019 05:41	system	V2	Non	
Paul	Limited	Pbe	18/10/2019 06:03	system	V1	Non	
geoloc	Geoloc	Pbe	18/10/2019 06:12	system	V1	Non	
GeolocPaysDrill	GeolocPays	Pbe	19/10/2019 13:27	system	V1	Non	

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## 5 Vanilla Hub

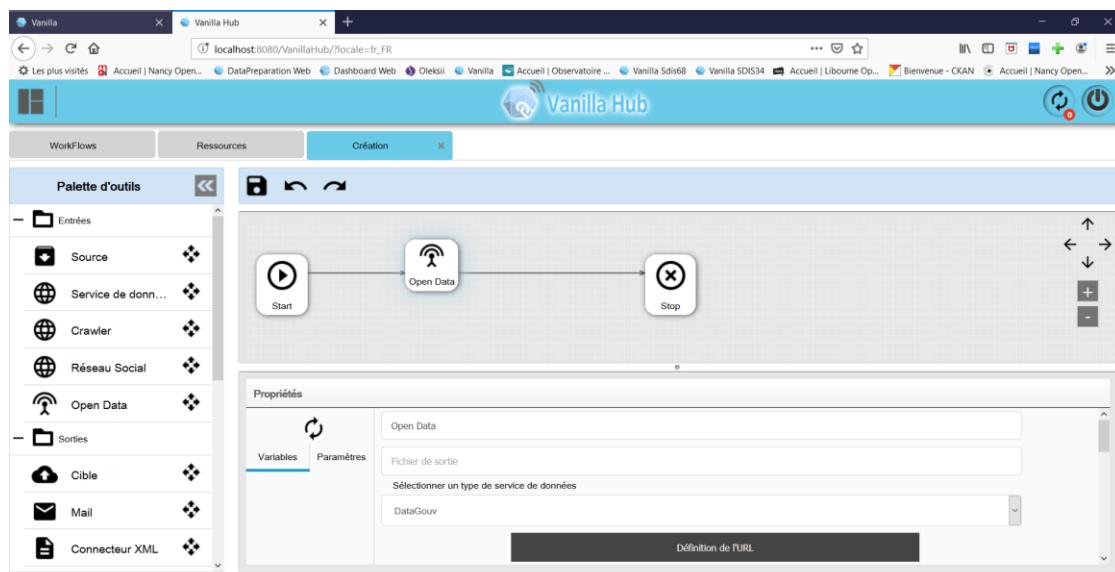
### 5.1 Debug and enhancement

New boxes to handle complex cases of creating geojson files, with data clustering via Node.js, updating Youtube and Facebook APIs, adding a data decryption function



### 5.2 Open Data Data Source

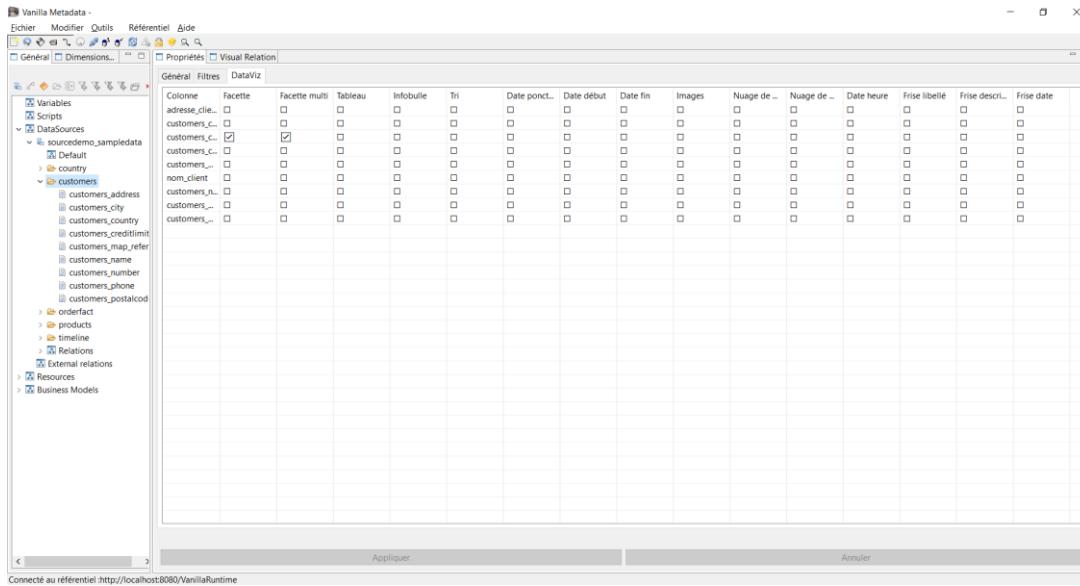
Vanilla Hub natively supports the OpenData Data4Citizen, DataGouv, OpenDataSoft, Ckan, Socrata platforms, which allows the implementation of complex processes with open data sources.



## 6 Metadata

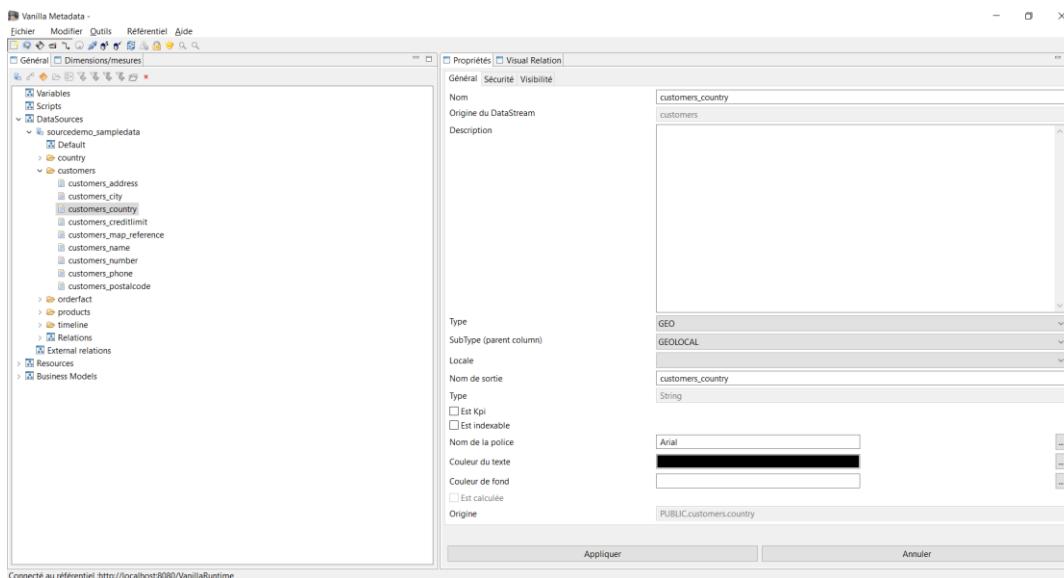
### 6.1 “DataViz” Type

A new interface makes it possible to enter for each column of data flows some typing instructions that will be used for the Data Visualization interfaces, both within Vanilla and Data4Citizen. This interface is equivalent to the column definition grid in Data4Citizen



### 6.2 New Data type

Possibility to enter new data types, for example a GEOLOCAL type which indicates that the column contains geolocation data in WGS84 format.



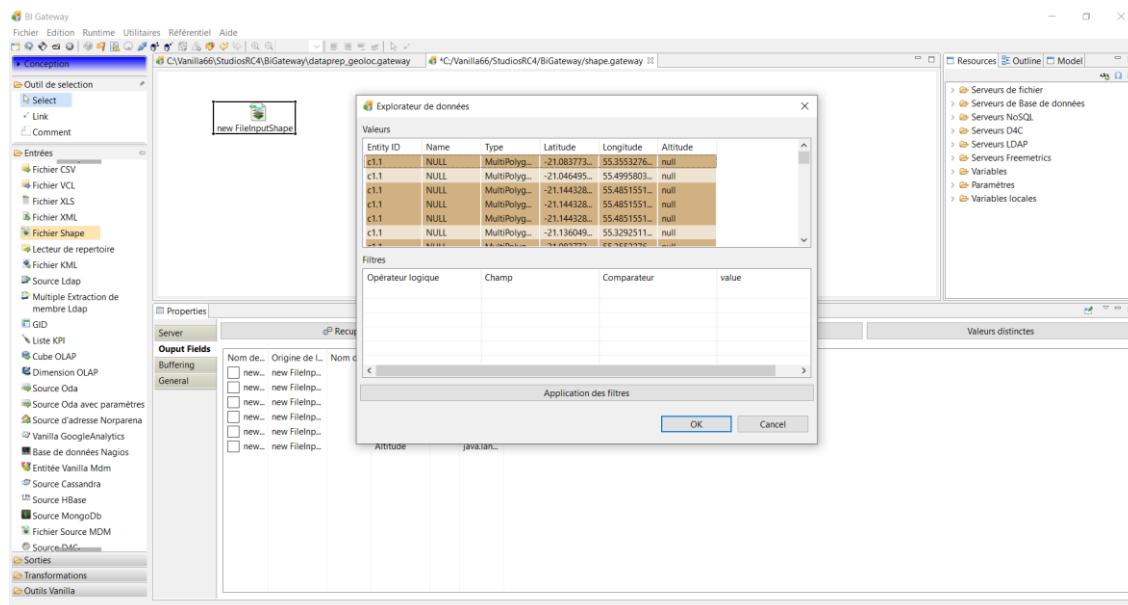
## 7 BiGateWay

### 7.1 GID : Drag & Drop support

It is now possible to Drag & Drop a data source into a GID interface

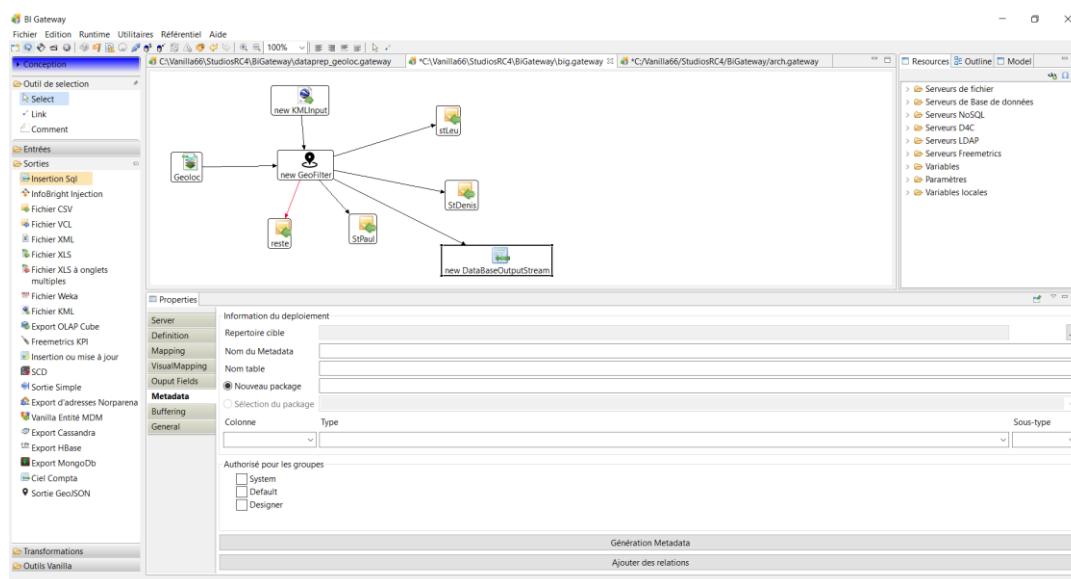
### 7.2 Shapefile Source

The Shape file source has been improved to allow the creation of a line by coordinate triplet, a data viewer has been integrated into the interface.



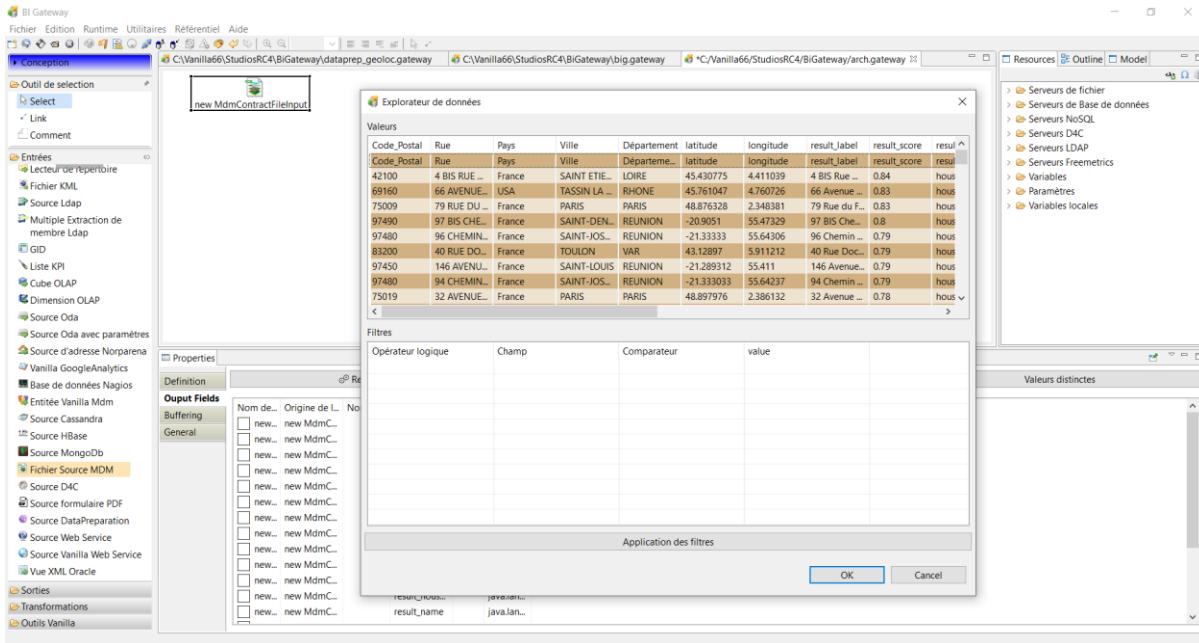
### 7.3 Metadata Definition Interface

We can now define the joins between the tables while we create the new metadata



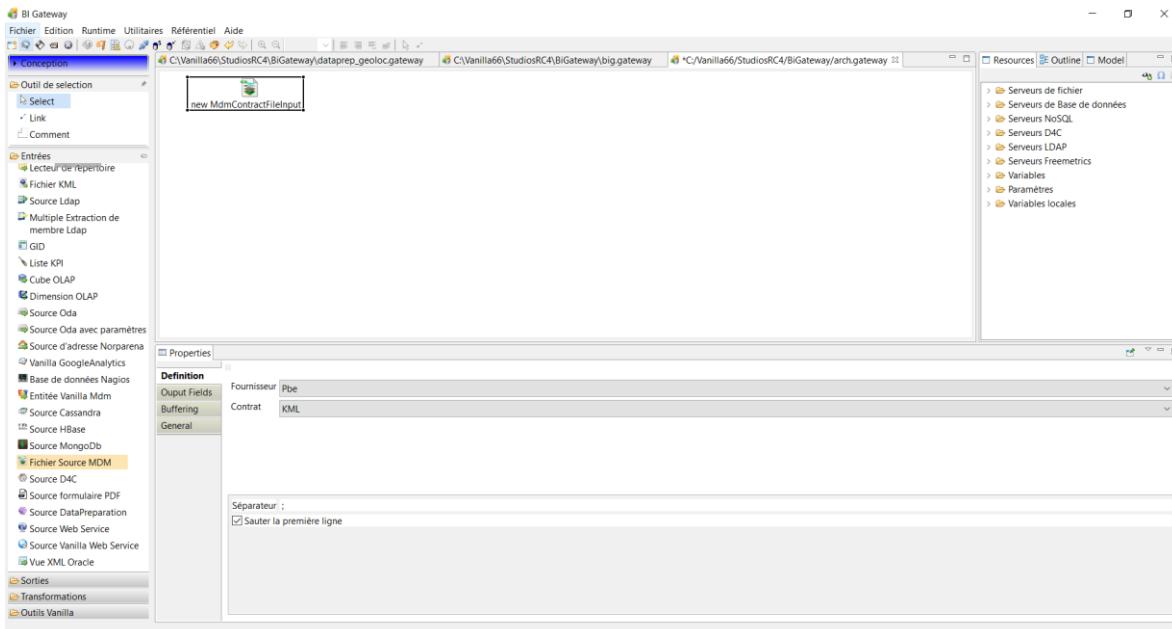
## 7.4 Architect data visualisation

BiGateWay now offers a visualizer for Architect sources



## 7.5 Architect KML data Support

KML files managed in Architect can be used as a data source.

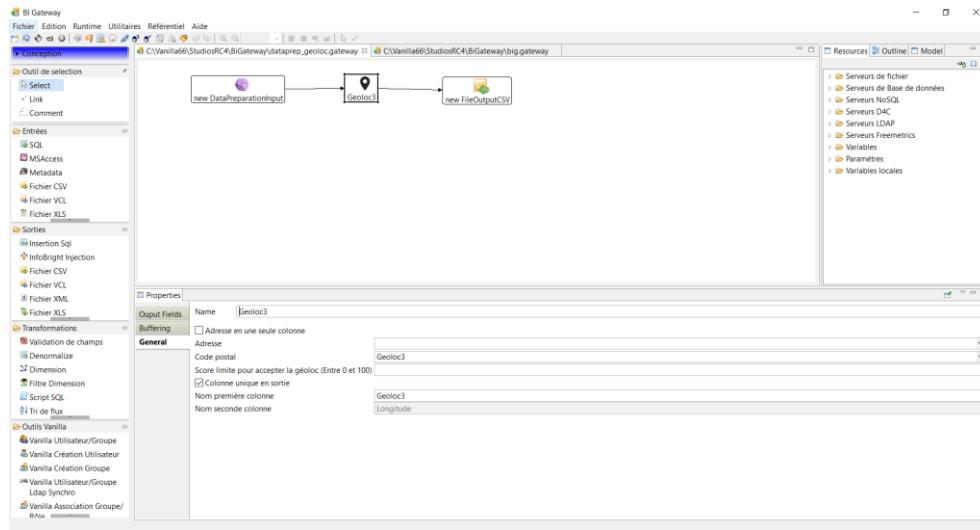


## 7.6 Geocoding functions

New features are emerging to process geolocalized data

### 7.6.1 French BAN Geocoding

Geolocated coordinate calculation functions, using the BAN Web Service

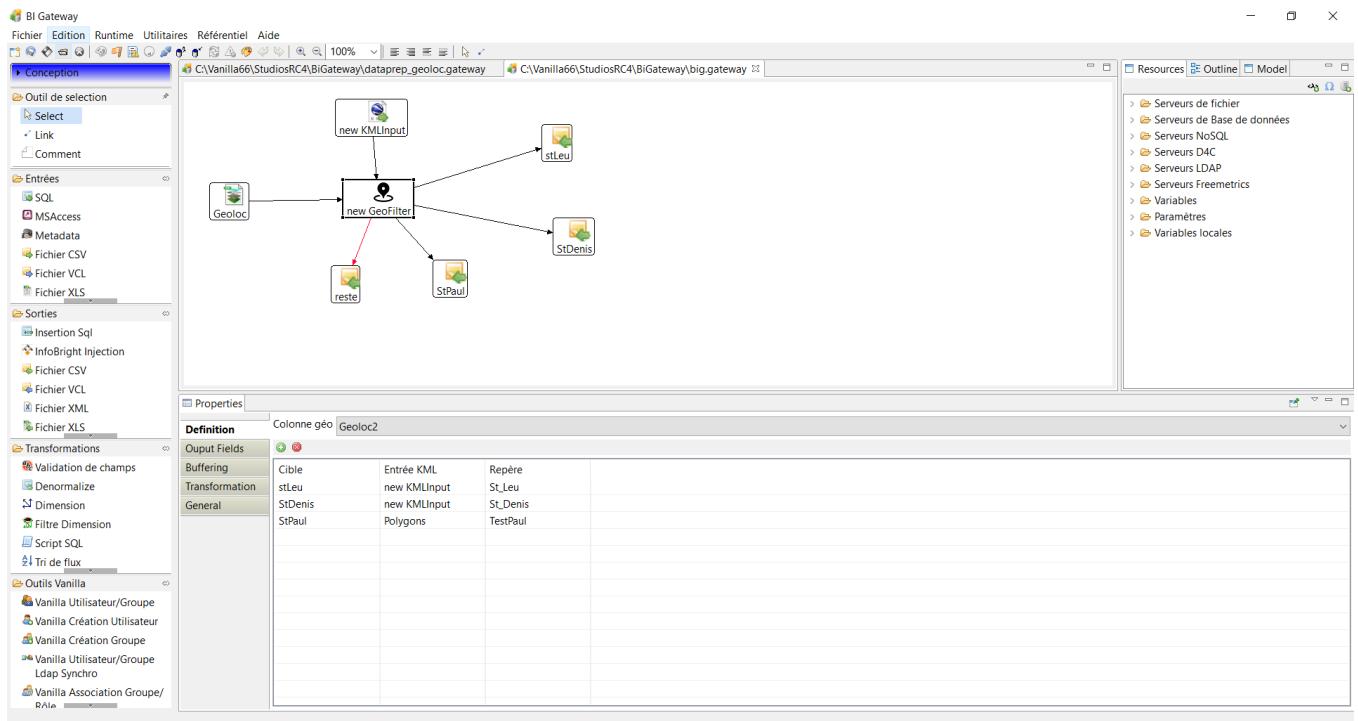


The call to the BAN returns 3 values: latitude, longitude and score (for appreciation of the quality of the latitude / longitude pair)

The 3 output columns are customizable

## 7.6.2 Zone Filter

Function of filtering and dispatch of geolocated data by using KML zone files as filter criteria

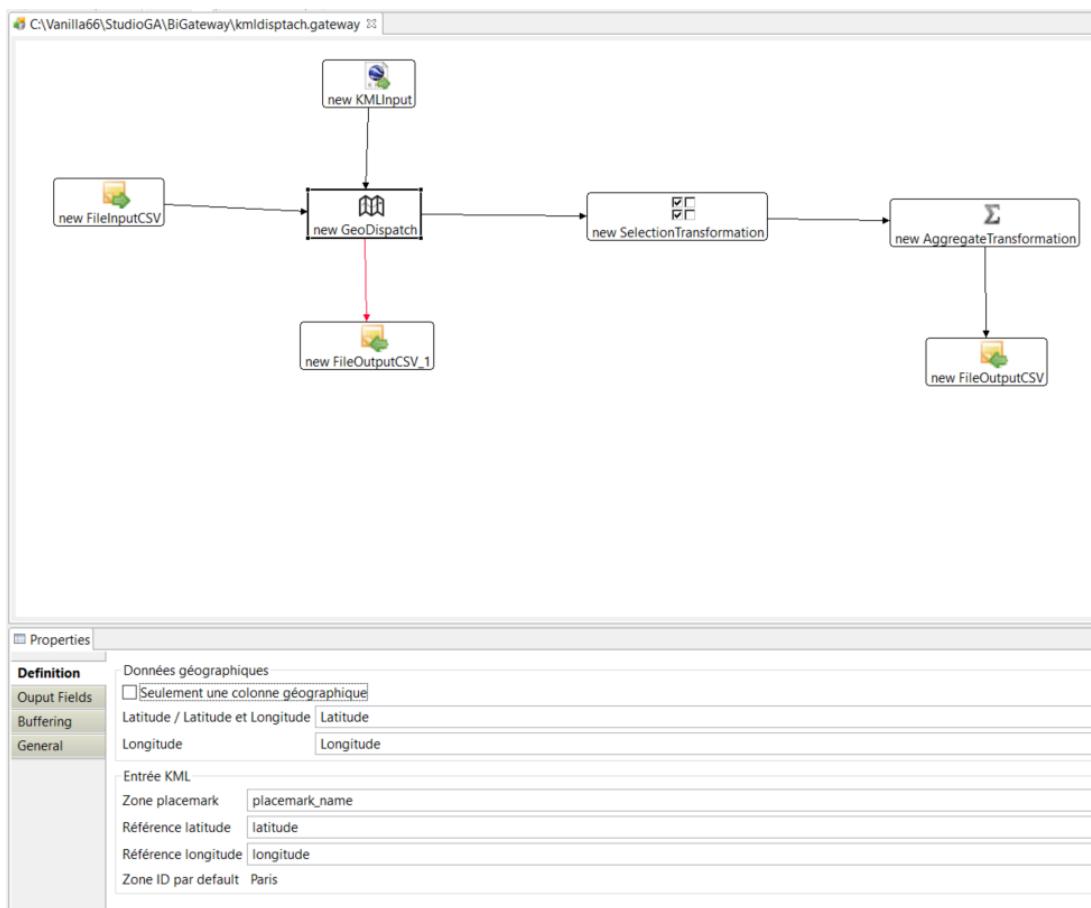


Zone filtering can be done using as a data source either a KML file or a list of coordinates entered in the interface.

### 7.6.3 Zone Dispatch

Geolocated data dispatching function using KML zone files as filter criteria

The output column contains the code of the Zone in which the address is located (in general, the KML placemark)



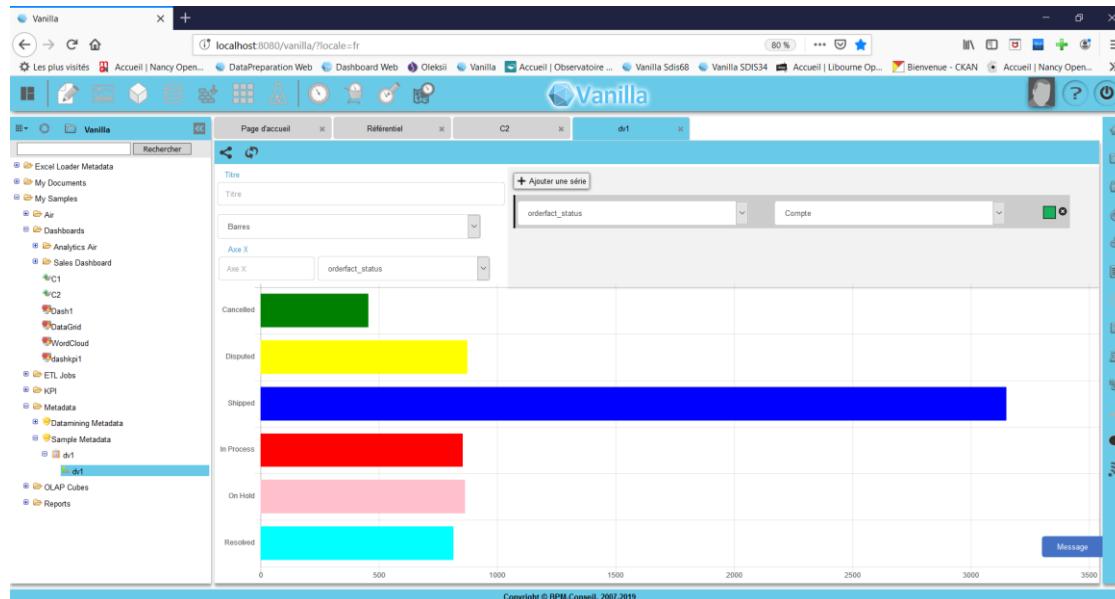
## 7.7 Examples and documentation

Examples and documentation have been updated

## 8 Vanilla Portail

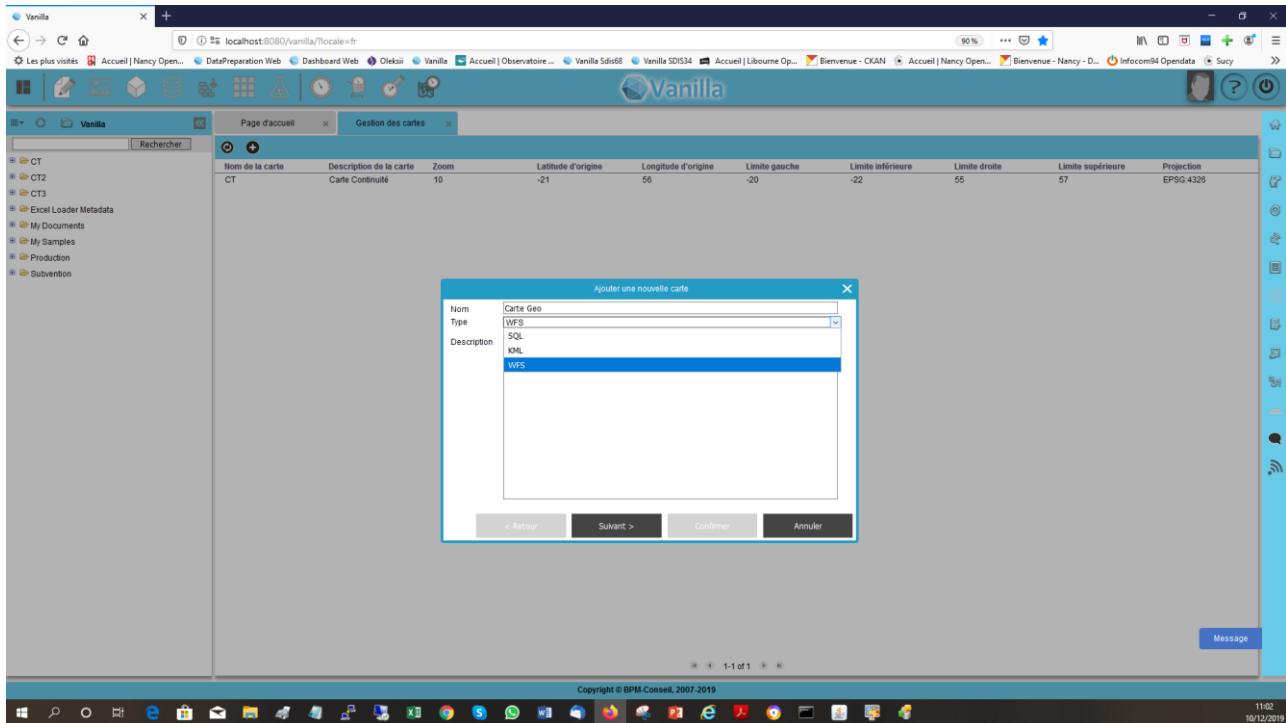
### 8.1 DataViz Visualization

Saved DataViz – defined using Metadata explorer and saved in the repository - are directly viewable from the portal

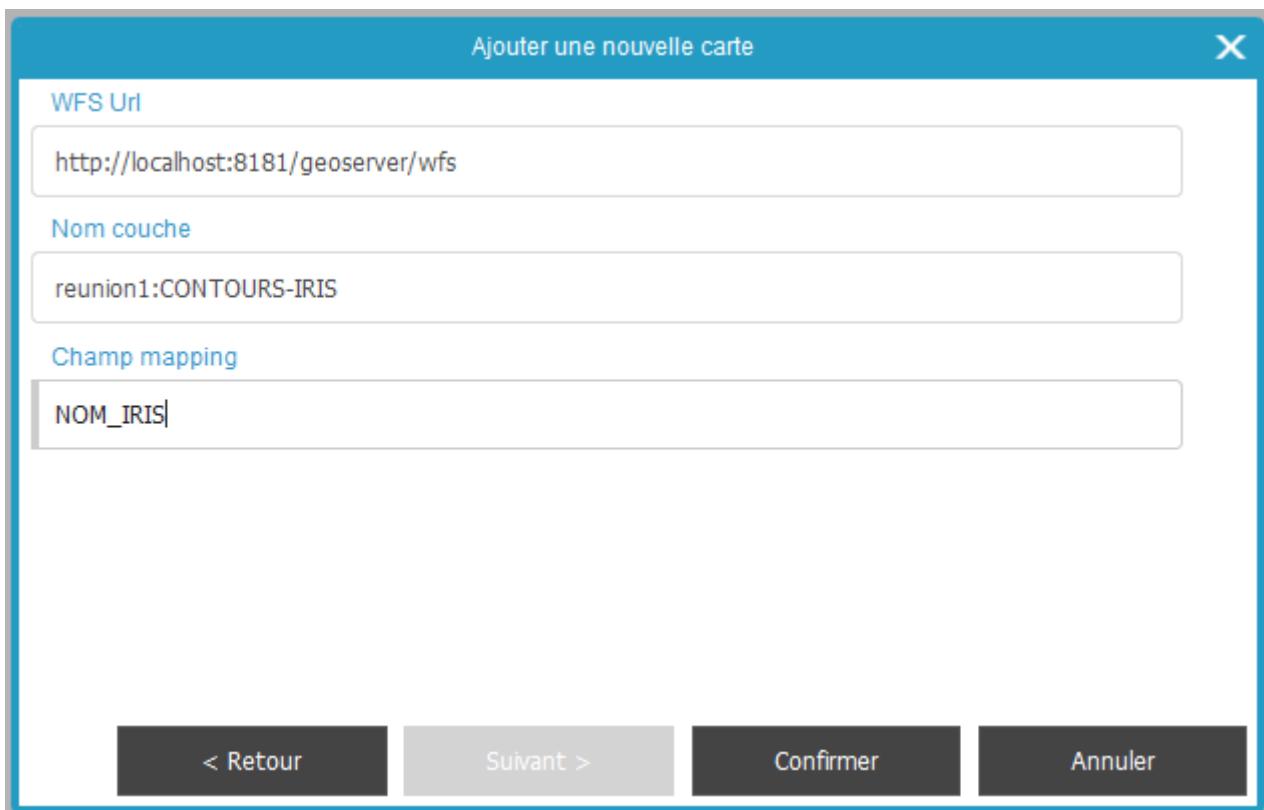


## 8.2 VanillaMaps: support of KML and WFS format

The VanillaMaps interface allows you to define maps from KML files or WFS servers, to be used in others Vanilla Web interfaces



The screenshot shows the VanillaMaps interface on a Windows desktop. The main window is titled 'Gestion des cartes'. A modal dialog box is open, titled 'Ajouter une nouvelle carte'. It contains fields for 'Nom' (set to 'Carte Geo'), 'Type' (set to 'WFS'), and 'Description' (set to 'WFS'). At the bottom of the dialog are buttons for '< Retour', 'Suivant >', 'Confirmer', and 'Annuler'. The background shows a sidebar with various project names like CT, CT2, CT3, and Subvention, and a toolbar with icons for file operations.



This is a detailed view of the 'Ajouter une nouvelle carte' dialog box. It has three main input fields:

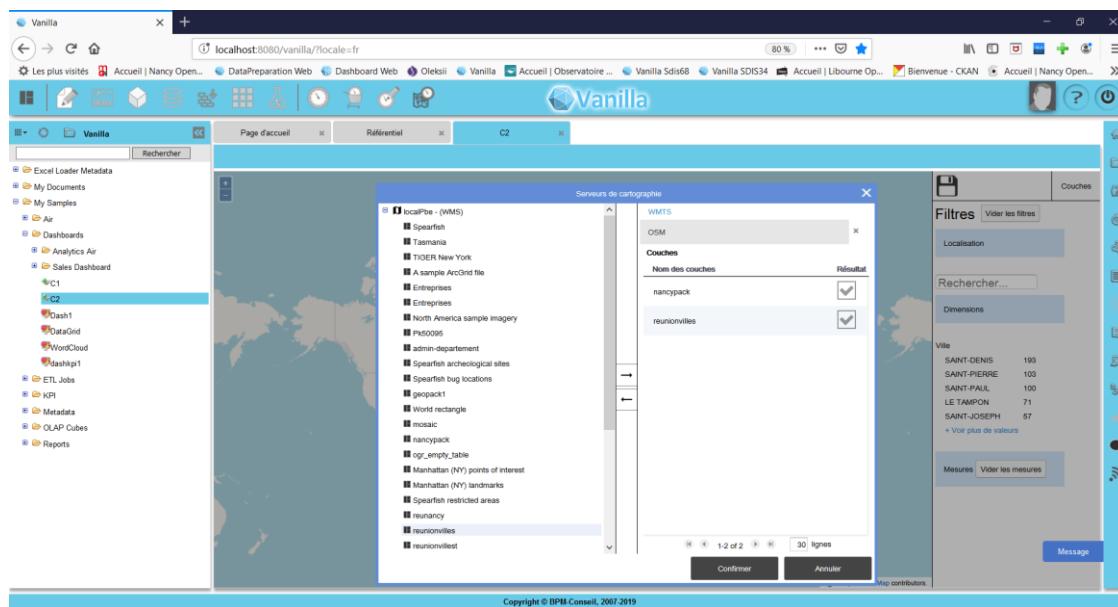
- WFS Url:** The value is `http://localhost:8181/geoserver/wfs`.
- Nom couche:** The value is `reunion1:CONTOURS-IRIS`.
- Champ mapping:** The value is `NOM_IRIS`.

At the bottom of the dialog are four buttons: '< Retour', 'Suivant >', 'Confirmer', and 'Annuler'.

## 8.3 Maps format support

The map definition interface can now directly integrate KML, Shapefile and geojson files or geopackage databases

The interface is also able to retrieve a WMS stream from a GeoSpatial server (such as GeoServer or ArcGis) exposing its resources as WMTS services



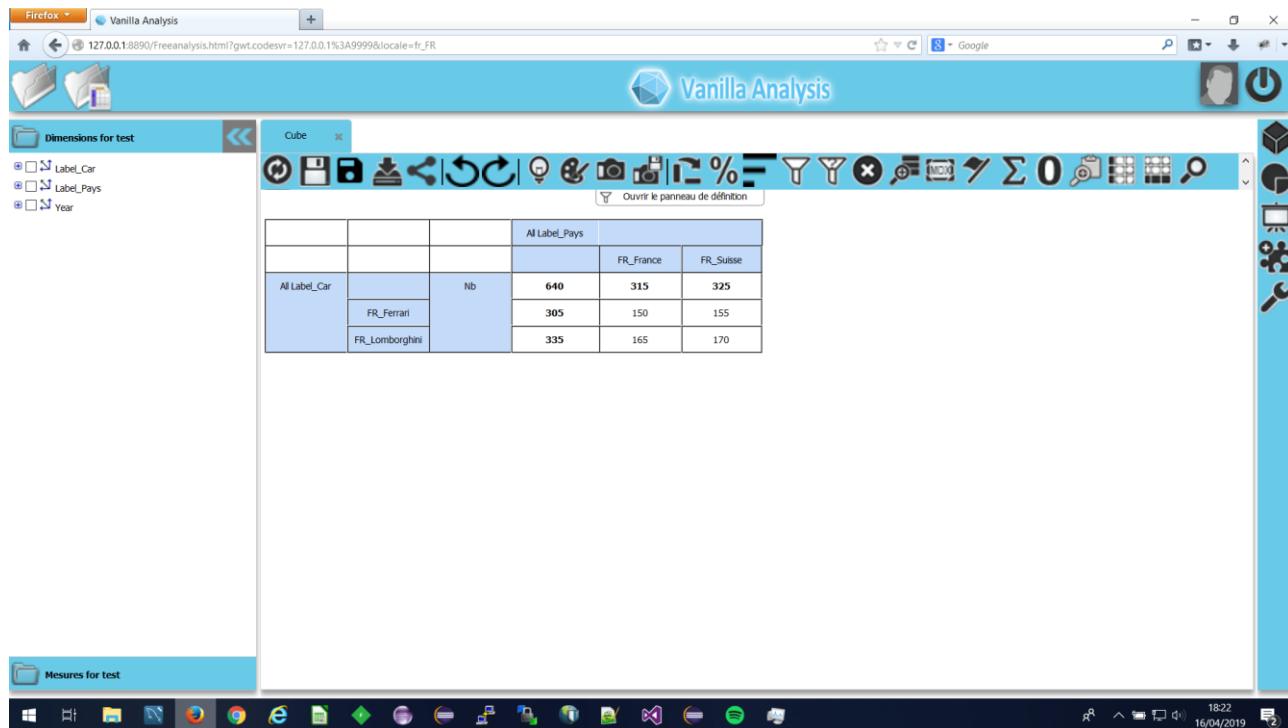
## 9 WebAnalysis

### 9.1 Multi-language support

Vanilla Analysis studio allows you to define multi language cubes

The only architecture constraint is to use a star schema.

For more information, refer to the document: Vanilla66-Analysis-Multilangues



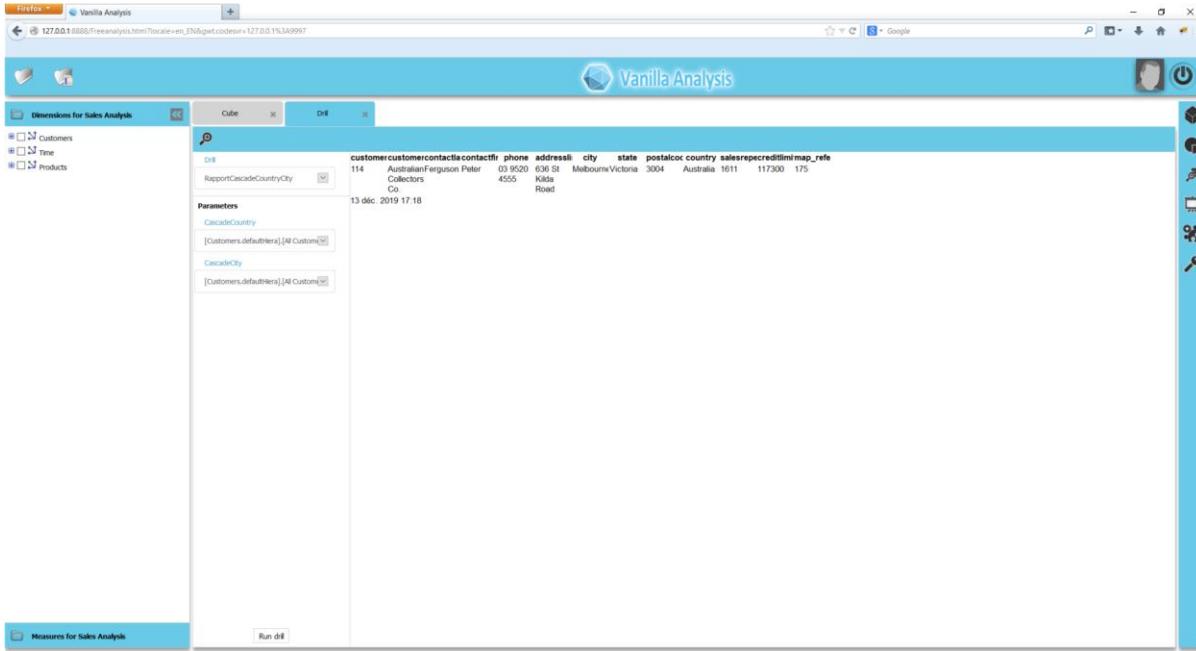
The screenshot shows the Vanilla Analysis studio interface running in a Firefox browser. The URL is 127.0.0.1:8890/Freearalysis.html?gwt.codesvr=127.0.0.1%3A9999&locale=fr\_FR. The main window displays a cube visualization with a grid of numbers. A tooltip 'Ouvrir le panneau de définition' is visible above the grid. The interface includes a toolbar with various icons, a sidebar with 'Dimensions for test' and 'Mesures for test' sections, and a vertical toolbar on the right. The system tray at the bottom shows the date and time as 16/04/2019 18:22.

			All Label_Pays	FR_France	FR_Suisse
All Label_Car		Nb	<b>640</b>	315	325
			<b>305</b>	150	155
			<b>335</b>	165	170

## 9.2 Improved navigation interface to reports

The navigation interface to access drilled reports has been revised to allow easier selection of target reports

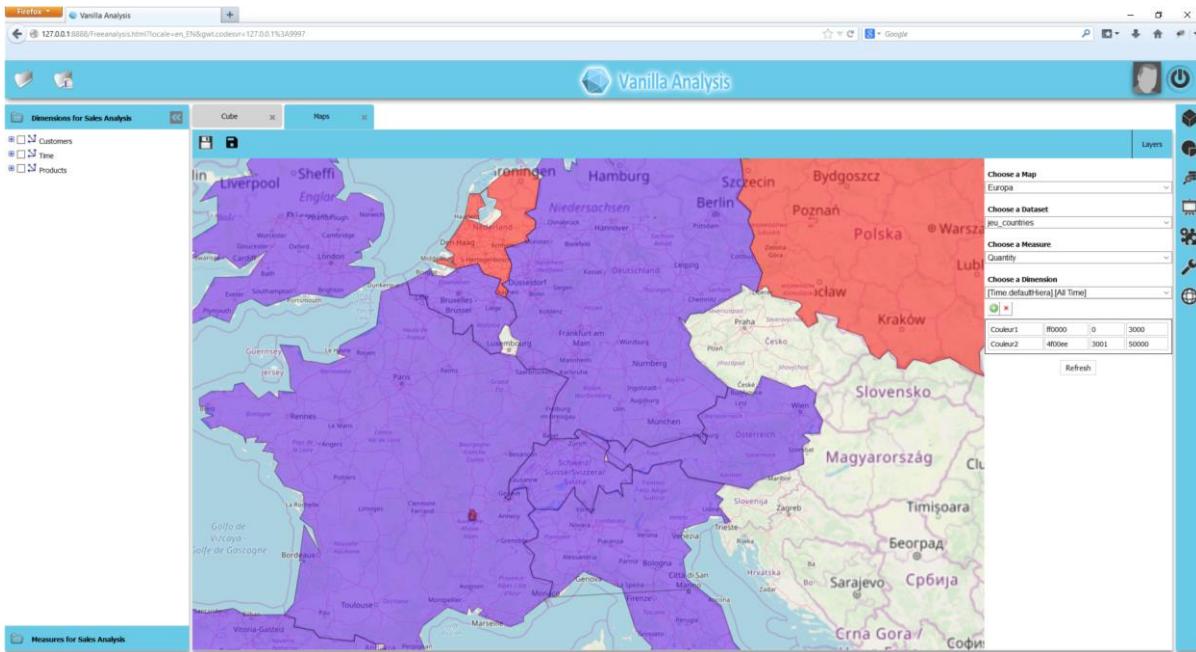
The target report is displayed by default in the interface



This screenshot shows the Vanilla Analysis interface in Firefox. The main area displays a detailed report card for a customer named 'Acme Ferguson Peter' located at '30 Victoria St, Melbourne'. The report includes fields for phone number (03 9220 4555), address, city ('Melbourne'), state ('Victoria'), postal code ('3004'), country ('Australia'), sales ('1611'), credit limit ('117500'), and map reference ('13 dec. 2019 17:18'). On the left, there's a sidebar with 'Dimensions for Sales Analysis' (Customers, Time, Products) and a 'Parameters' section for 'CascadeCountry' and 'CascadeCity'. At the bottom, there are buttons for 'Run drl' and 'Measures for Sales Analysis'.

## 9.3 Integration of Vanilla Maps (Sql, KML, WFS)

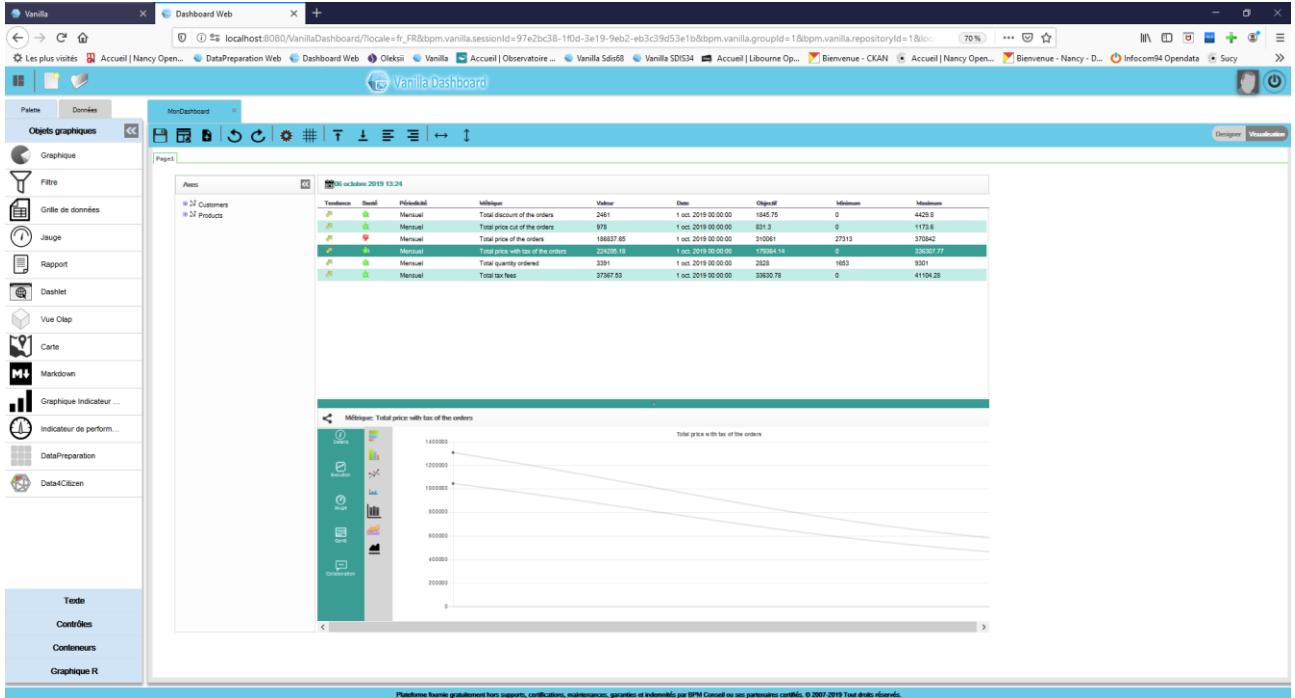
Vanilla Maps are now fully supported inside WebAnalysis



This screenshot shows the Vanilla Analysis interface in Firefox with a map visualization. The map displays various regions in Europe, each colored according to a specific dimension. A legend on the right side shows two color-coded categories: 'Couleur1' (purple) and 'Couleur2' (red). The map includes labels for major cities like London, Paris, Berlin, and Warsaw, and countries like France, Germany, Poland, and Italy. On the left, there's a sidebar with 'Dimensions for Sales Analysis' (Customers, Time, Products) and a 'Maps' tab selected. At the bottom, there are buttons for 'Run drl' and 'Measures for Sales Analysis'.

## 10WebDashBoard

### 10.1 KPI component to visualize a theme



The screenshot shows a Vanilla dashboard titled "MonDashboard". On the left, there is a sidebar with various components like Grille de données, Jauge, Rapport, and Graphique. The main area displays a KPI component with a table and a chart.

**Table Data:**

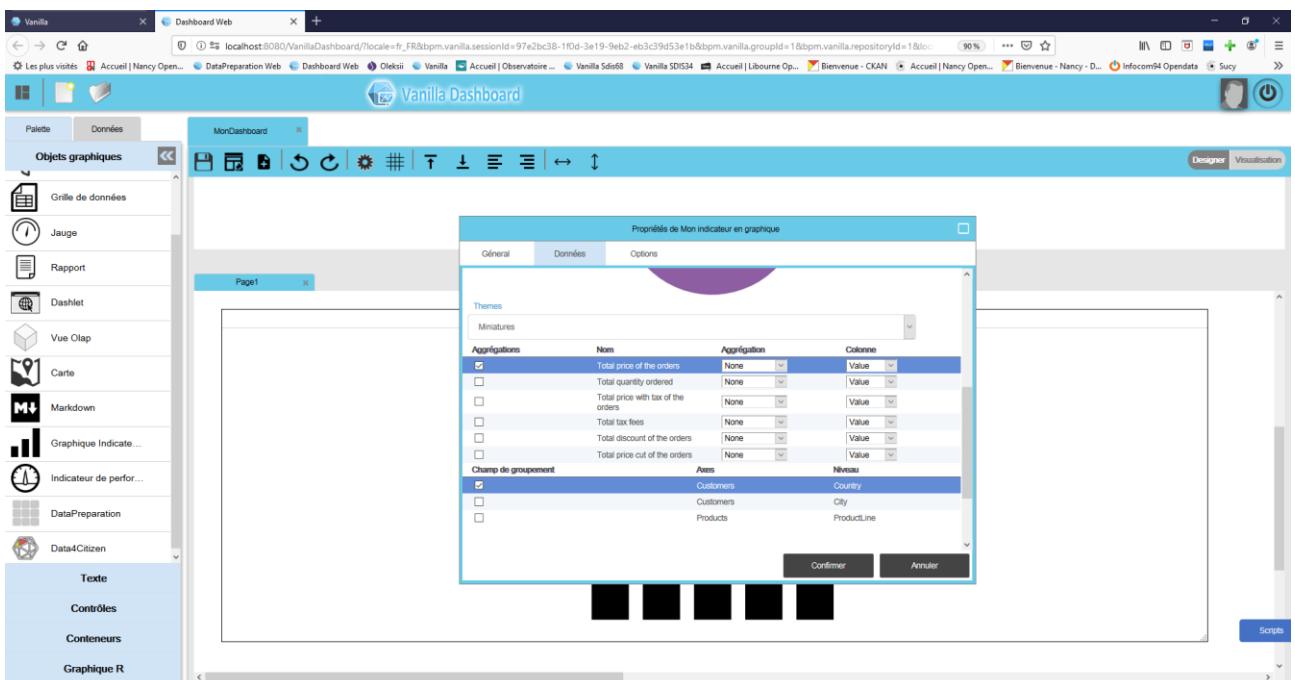
Attribut	Tendance	Seed	Périodicité	Métrique	Valeur	Date	Objectif	Médiiane	Maximum
			Mensuel	Total discount of the orders	2481	1 oct 2019 00:00:00	1045.75	0	4429.8
			Mensuel	Total price cut of the orders	978	1 oct 2019 00:00:00	831.3	0	1173.6
			Mensuel	Total price of the orders	186837.65	1 oct 2019 00:00:00	310041	27313	37042
			Mensuel	Total price with tax of the orders	224205.18	1 oct 2019 00:00:00	178964.14	0	336077.77
			Mensuel	Total quantity ordered	339	1 oct 2019 00:00:00	2629	1653	5001
			Mensuel	Total tax fees	5797.53	1 oct 2019 00:00:00	39630.78	0	41194.28

**Chart Data:**

Métrique: Total price with tax of the orders  
 Total price with tax of the orders

The chart shows a single data point at approximately 224,205.18.

### 10.2 KPI component to display a single KPI value

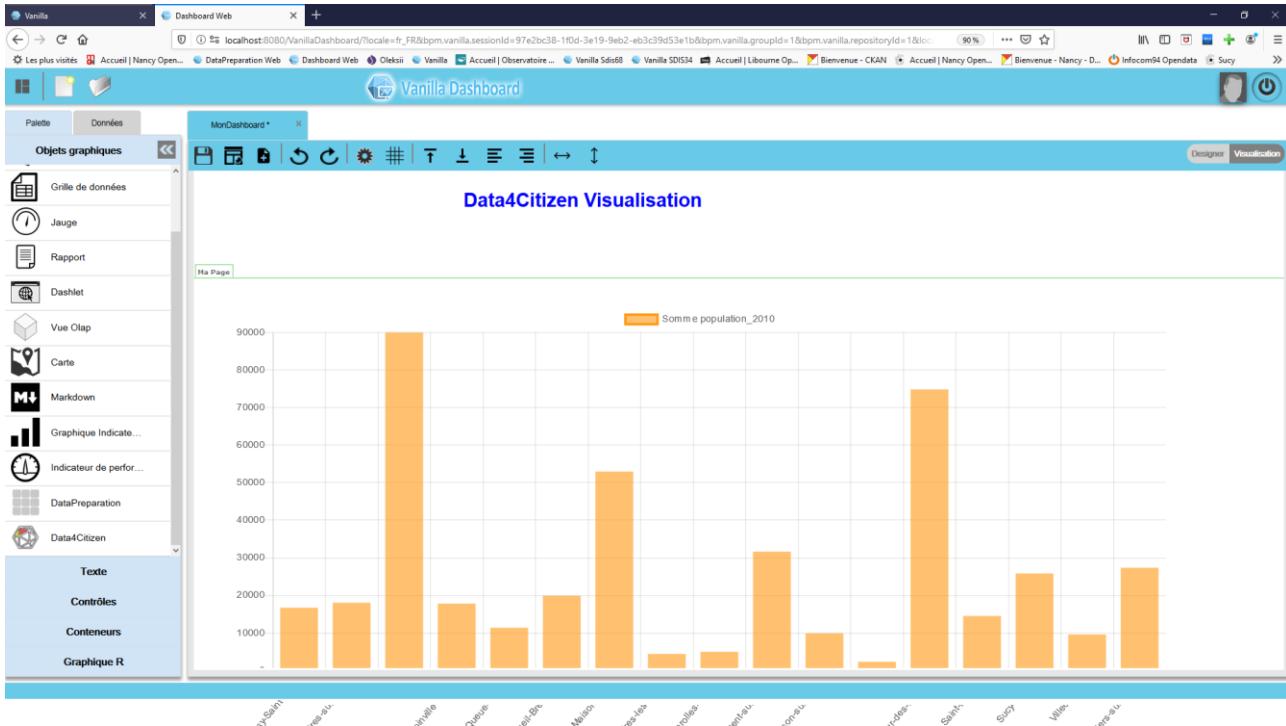


The screenshot shows a Vanilla dashboard titled "MonDashboard". On the left, there is a sidebar with various components like Grille de données, Jauge, Rapport, and Graphique. A modal window titled "Propriétés de Mon indicateur en graphique" is open, showing configuration options for a KPI indicator.

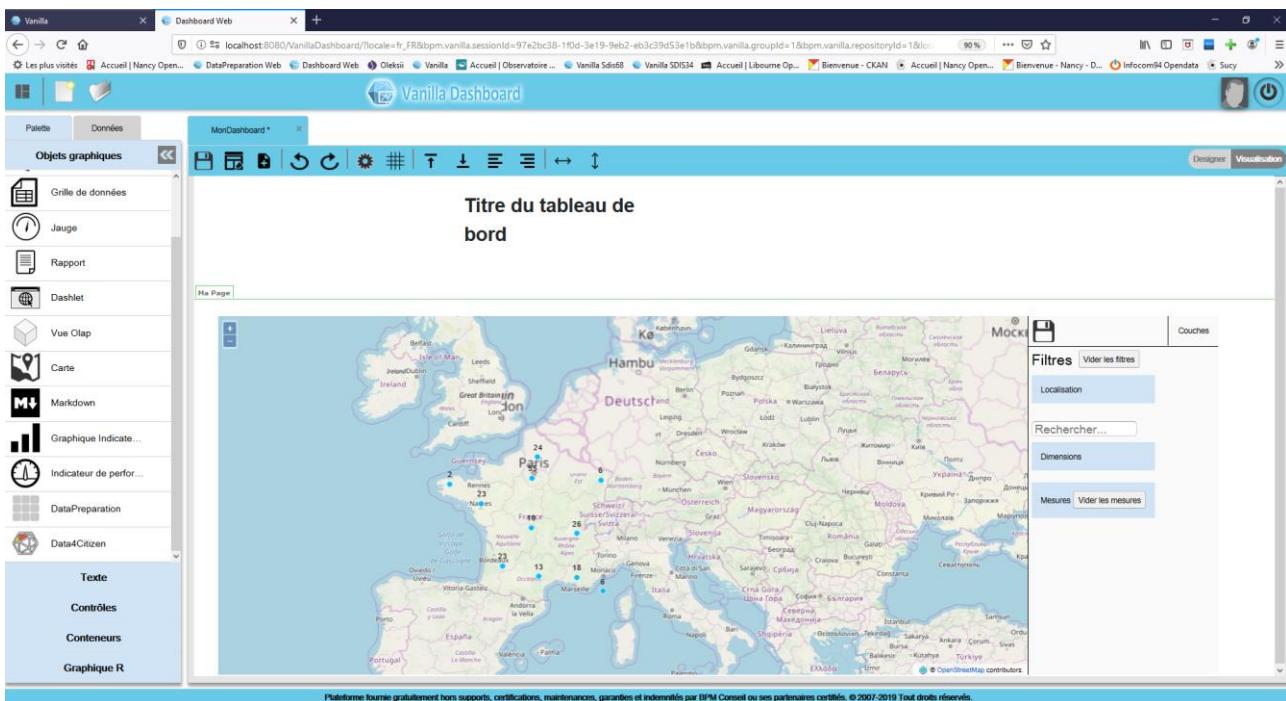
**Modal Window Content:**

- General Tab:** Shows the title "Mon indicateur en graphique".
- Données Tab:** Shows the following configuration:
  - Thèmes:** "Total price with tax of the orders"
  - Aggregations:**
    - None
    - Value
  - Champ de regroupement:**
    - Customers
    - City
    - ProductLine
- Options Tab:** Not visible in the screenshot.

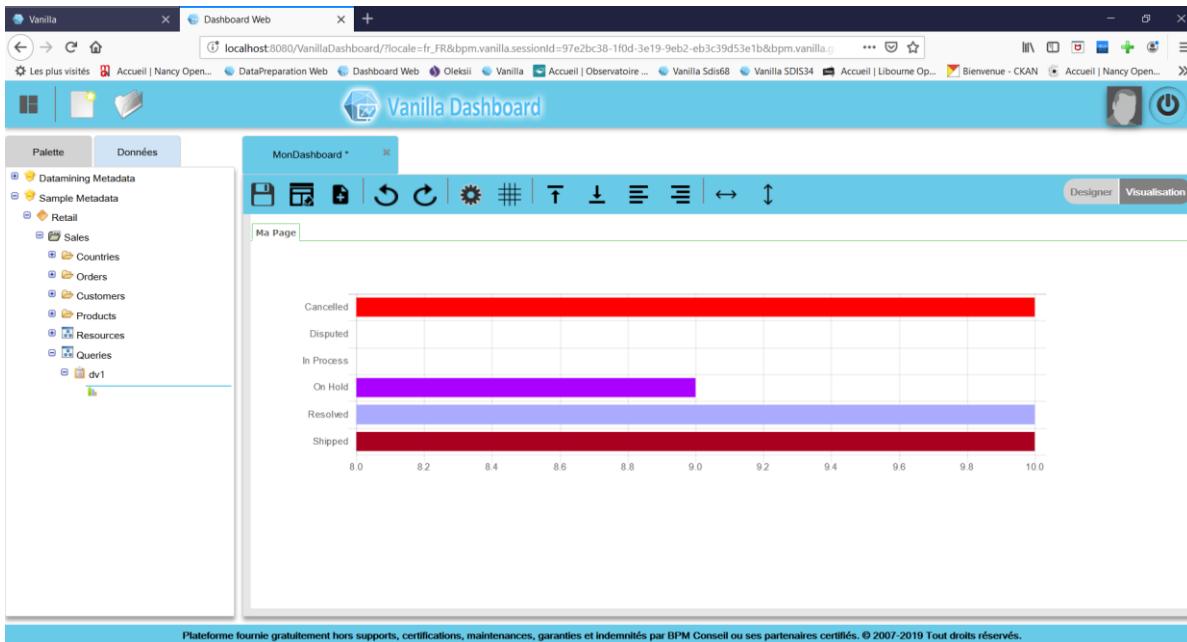
## 10.3 Component D4C to visualize a Data4Citizen visualization



#### 10.4 DataPreparation component to view a map



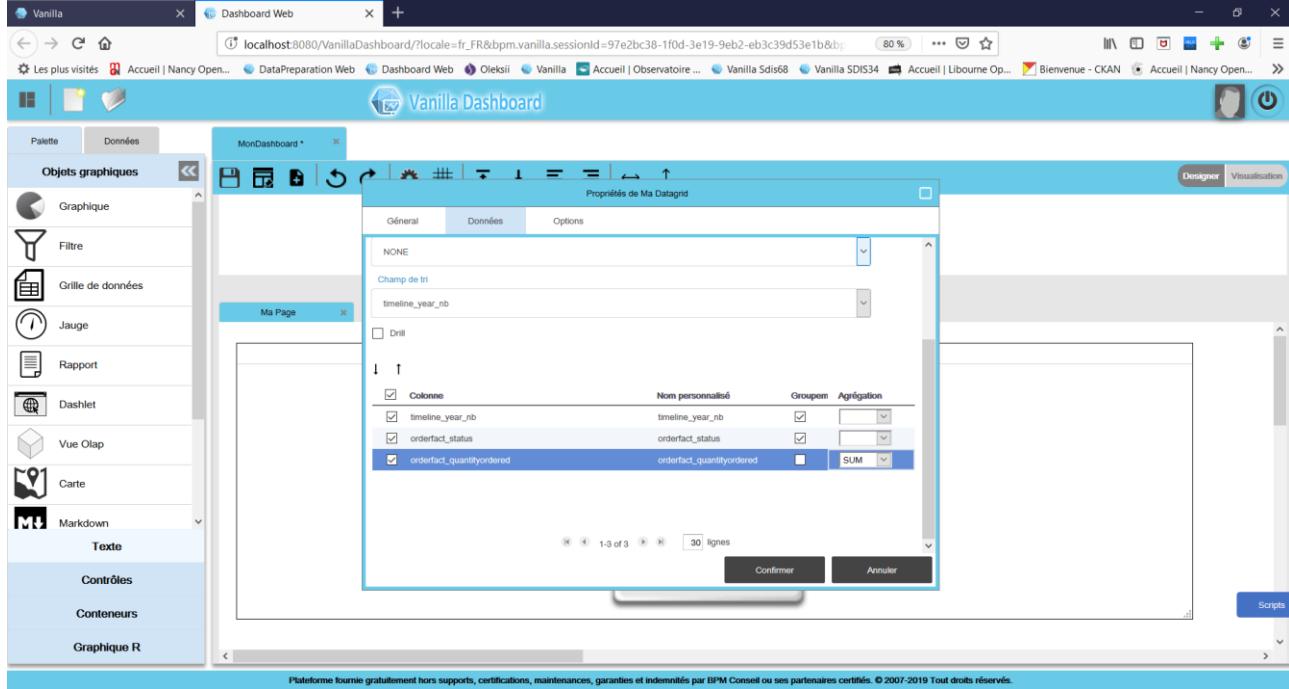
## 10.5 DataViz component to view a Metadata Explorer DataViz or a DataPreparation DataViz



## 10.6 DataGrid enhancement

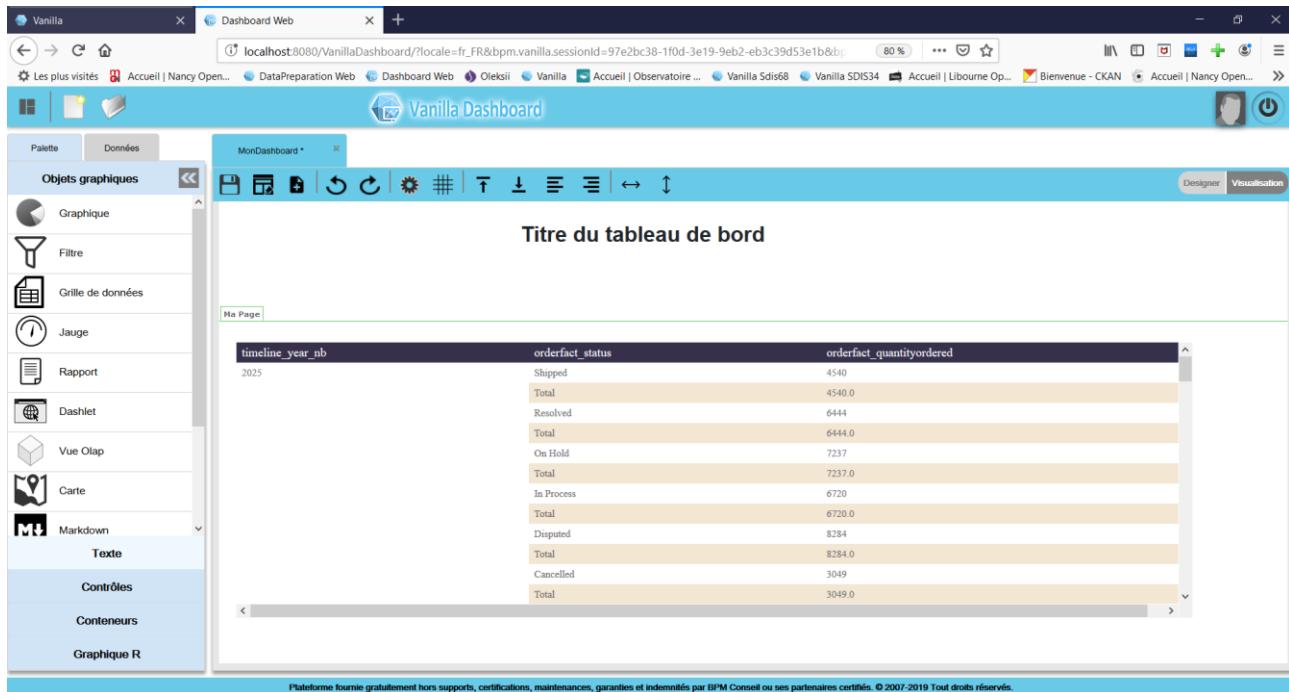
Data grid now allows grouping and calculation on data lines

### Définition



The screenshot shows the Vanilla Dashboard Designer interface. A central dialog box is open titled "Propriétés de Ma Datagrid". In the "Agrégation" (Aggregation) section, the "SUM" option is selected for the "orderfact\_quantityordered" column. The "Nom personnalisé" (Custom Name) field is set to "orderfact\_quantifyordered". Other columns like "timeline\_year\_nb" and "orderfact\_status" have their aggregation set to "NONE". The "Grouper" (Group by) checkboxes are checked for all columns.

### Visualization



The screenshot shows the Vanilla Dashboard Visualization view. A DataGrid is displayed with the following data:

Timeline Year	Status	Quantity Ordered
2025	Shipped	4540
	Total	4540.0
	Resolved	6444
	Total	6444.0
	On Hold	7237
	Total	7237.0
	In Process	6720
	Total	6720.0
	Disputed	8284
	Total	8284.0
	Cancelled	3049
	Total	3049.0

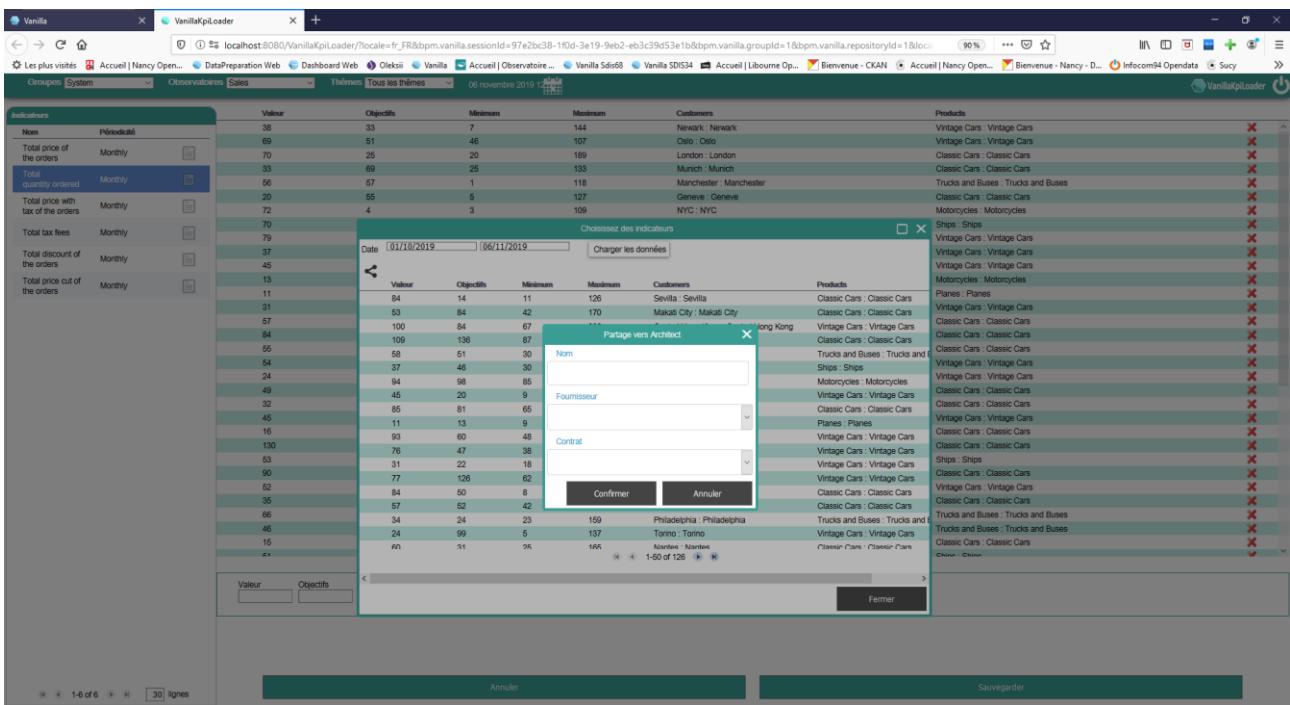
## 11 WebKpi

### 11.1 Full support for standard database

VanillaKpi module is now compliant with h2, Sql Server, Oracle, MySql and PostGreSql repositories

### 11.2 KpiLoader : Filter and Export to Data4Citizen and Architect

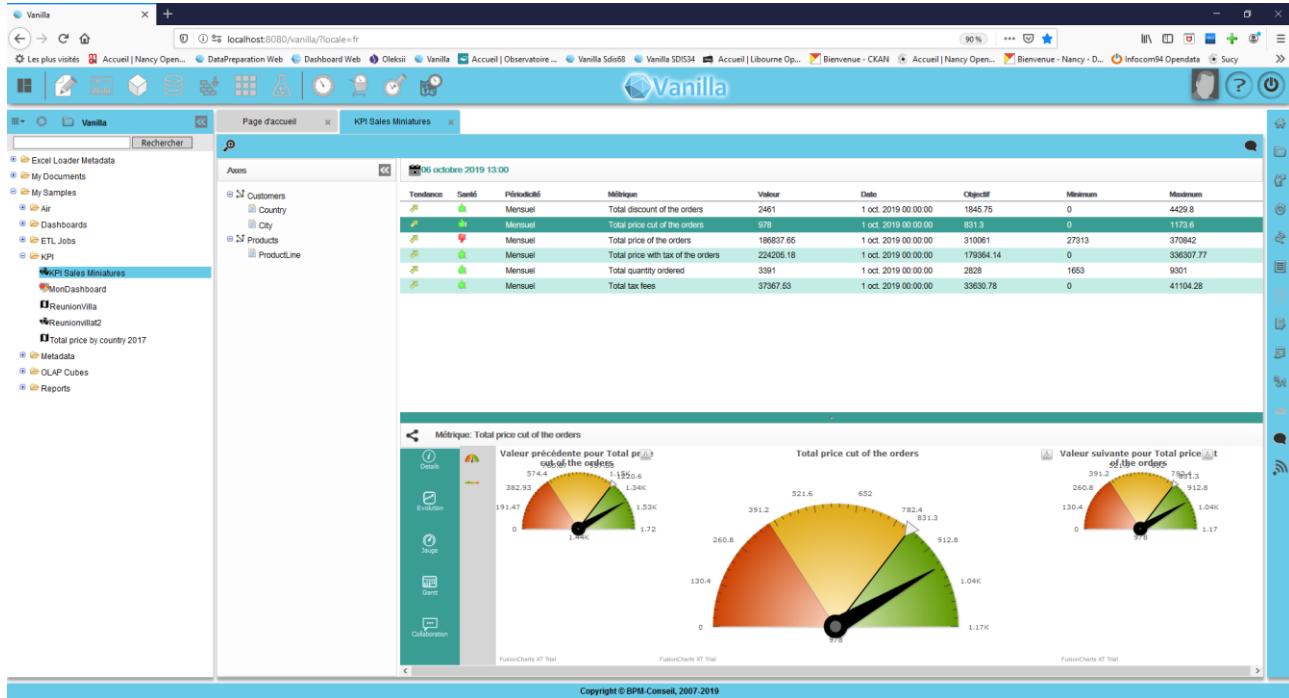
KpiLoader has now a feature to filter kpi data between 2 dates, dataset can be export to Data4Citizen in an instant.



The screenshot shows the VanillaKpi.Loader application interface. On the left, there is a sidebar with 'Indicateurs' and 'Périodicité' sections. The main area displays a data grid with columns: Valeur, Objectifs, Minimum, Maximum, Customers, and Products. A modal dialog titled 'Choisissez des indicateurs' is open, showing date filters (01/10/2019 to 05/11/2019), a 'Charger les données' button, and a 'Partage vers Architect' section. This section contains fields for 'Nom' (Name), 'Fournisseur' (Supplier), and 'Contrat' (Contract). Buttons for 'Confirmer' (Confirm) and 'Annuler' (Cancel) are present. The background grid shows various data points such as Newark, Oslo, London, Munich, Manchester, Geneva, NYC, and many products like Vintage Cars, Classic Cars, Trucks and Buses, etc.

## 11.3 KpiUser : additional information

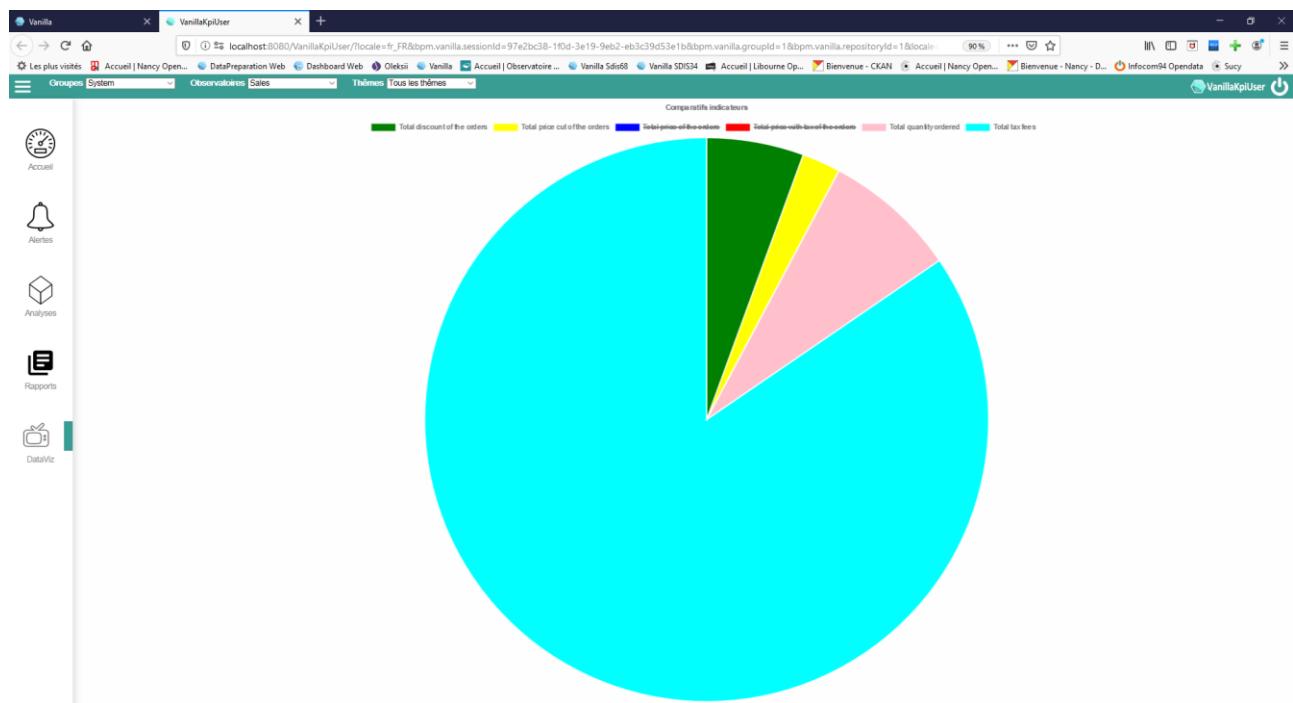
KPI User interface provides now – in the grid- direct access to more information on KPI, such as date of value or KPI periodicity



The screenshot shows the Vanilla KPI User interface. At the top, there's a navigation bar with links like 'Accueil | Nancy Open...', 'DataReparation Web', 'Dashboard Web', 'Oleksi', 'Vanilla', 'Accueil | Observatoire ...', 'Vanilla Sdis88', 'Vanilla SDIS34', 'Accueil | Libourne Op...', 'Bienvenue - CKAN', 'Accueil | Nancy Open...', 'Bienvenue - Nancy - D...', 'Infocom94 Opendata', and 'Sucy'. Below the navigation is a toolbar with various icons. The main area has a sidebar on the left with categories like 'Excel Loader Metadata', 'My Samples', 'Air', 'Dashboards', 'ETL Jobs', 'KPI', and 'KPI Sales Miniatures' (which is selected). The main content area displays a grid titled 'KPI Sales Miniatures' with columns for 'Axes', 'Tendance', 'Sensé', 'Periodicité', 'Métrique', 'Valeur', 'Date', 'Objectif', 'Minimum', and 'Maximum'. The grid contains several rows of data. Below the grid are three circular dashboards with data labels: 'Valeur précédente pour Total price cut of the orders', 'Total price cut of the orders', and 'Valeur suivante pour Total price cut of the orders'.

## 11.4 KpiUser : New "All Kpi" DataViz

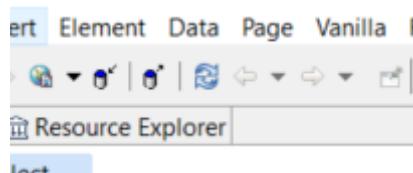
Kpi user provides a dataviz feature to explore and manipulate all the Kpi of a theme using a dataviz interface, making it possible to view all the Kpi's value in a single interface



## 12 BIRT

### 12.1 Icon for updating reports

An icon is now available to automatically update the reports published on the Vanilla repository



### 12.2 Plugin for Vanilla Maps

A Plugin is now available to display Vanilla Maps by dynamically filtering the content of the dataset

