



New Features



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1 Introduction

This document introduces the last essential and innovative functions of **VANILLA VERSION 6.4, AN UPDATE OF VANILLA 6 & 6.2 WITH A NEW SET OF FEATURES FOR THE MODULES :**

*“Data Preparation,
Architect,
Vanilla Hub
Metadata
BiGateWay,
Vanilla Portal
WebDashboard
WebReport
Dataset Management
Data4Citizen
”*



2 Deep Integration between Modules

In our way to speed up development cycle and provide a platform that reduces the time required to deploy BI document, Vanilla 6.4 provides more and more deep integration between the different modules

- Properties on objects to be used in other modules, for example : new properties like “geo” that can be set in Metadata can now be used in Data Preparation to display data on maps
- “Push To” feature to push dataset and/or dataset definition to another module : this feature avoid the burden to define the original query when switching to another module, for example a switch from Metadata Explorer to Data Preparation
- “Design on place” to provide designer feature when developers need it. A simple example is our new interface in BiGateWay to add the dataset in an existing Metadata or to create a new metadata/package.

Some examples

Example 1 : Typing usage

Vanilla Metadata can be used to set specific properties on columns, such as dimension (with type like Geo, date) and measures with direct usage on this dimension

- In Web Studio : Metadata Explorer, WebReport and WebDashboard
- In Data Preparation, which leverage geo, dimension and measures properties

Example 2 : Global dataflow

- BiGateWay can now update Architect files (such as Excel or Csv files)
- DataPreparation provides an easier way to use and refresh Architect Files
- DataPreparation dataset can be pushed :
 - As dataset and maps to Data4Citizen
 - As maps to Vanilla portal
 - As dataset to Vanilla Air

3 Data Preparation

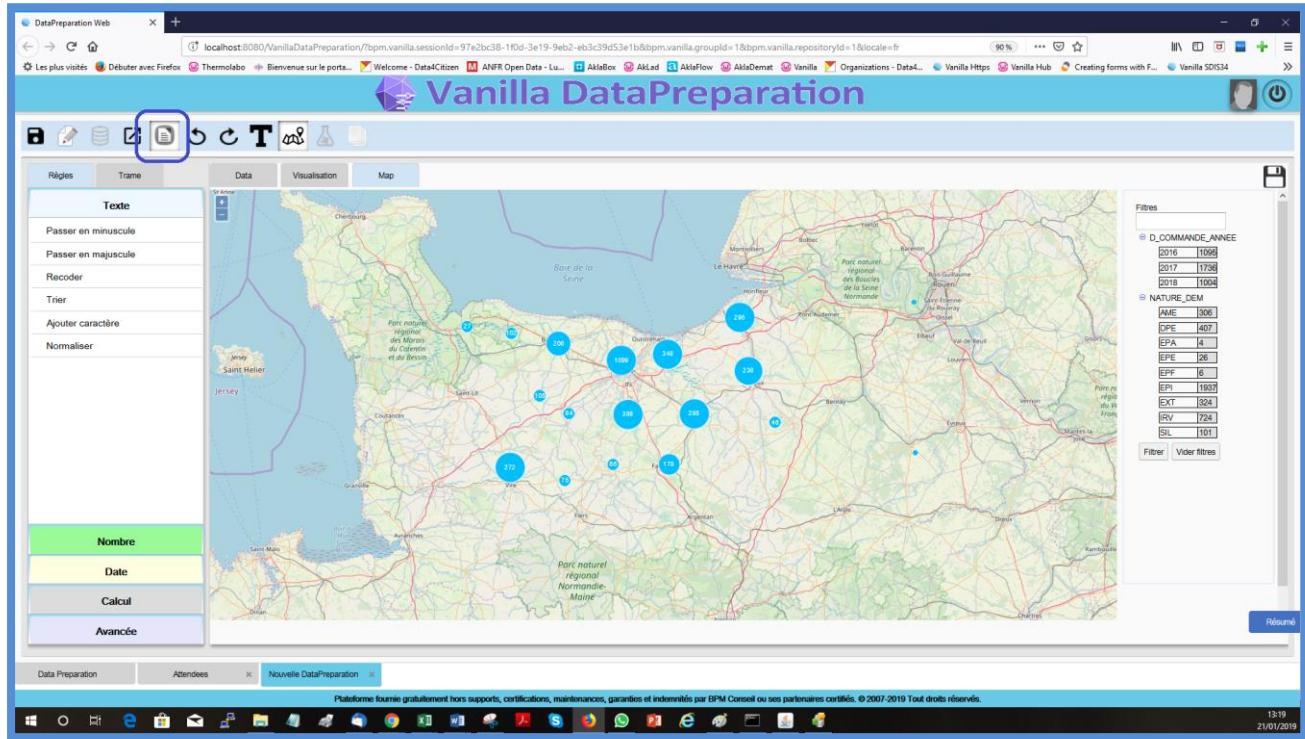
VANILLA DATA PREPARATION is a new Web interface to work with any kind of data (text, excel, sql, Hadoop, Vanilla Architect, Vanilla Metadata ..). **VANILLA DATA PREPARATION** has clean and deep integration with Metadata Explorer, Vanilla portail and Data4Citizen

As **VANILLA DATA PREPARATION** is a full functional Web interface, it goes beyond the “New Feature” document to explain its usage in detail. Please refer to its documentation to learn more about its feature, usage and integration with other Vanilla interfaces

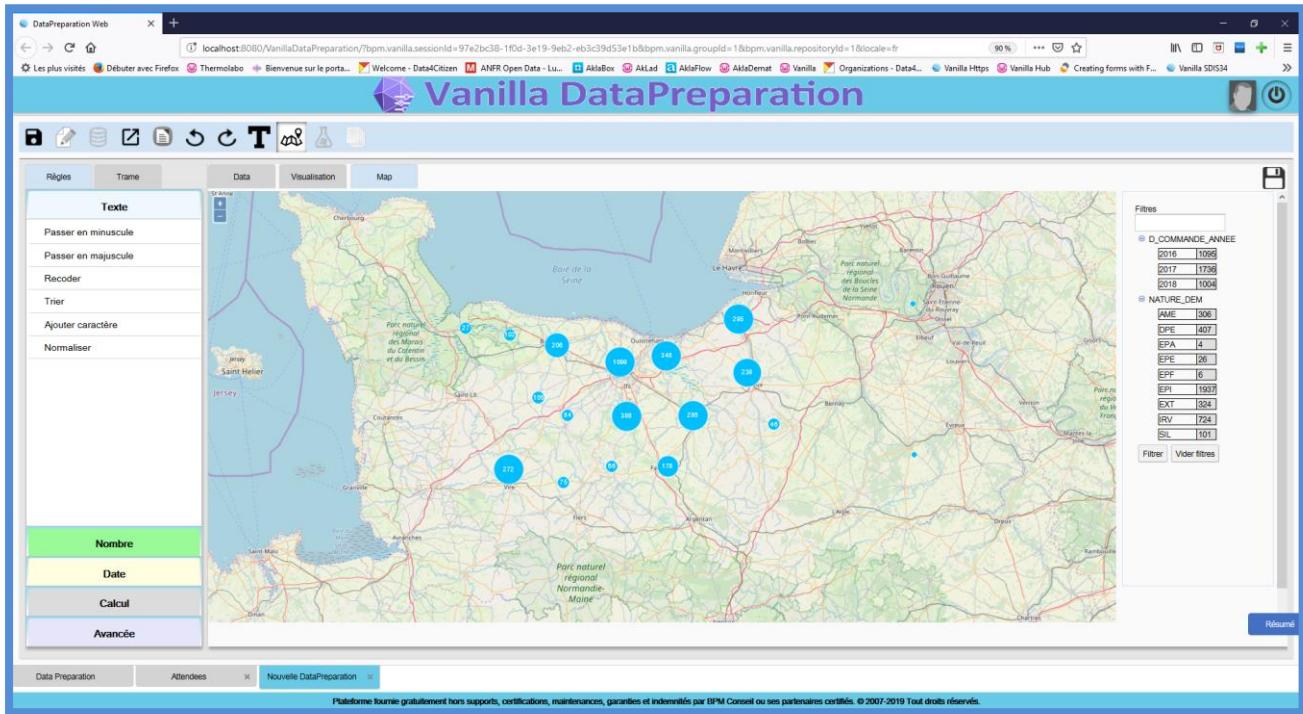
Some Features

VANILLA DATA PREPARATION is now able to push dataset to LibreOfficeOnline, to allow user to use a web spreadsheet to perfom global operation on rows or columns, using LibreOffice Cal functions

VANILLA DATA PREPARATION is able to use and refresh Architect datafile (especially the datafiles loaded using BiGateway)



VANILLA DATA PREPARATION provides now support for Metadata type and can display data on a Map, using a best-of-the-class maps interface. Best of all : user can now drill to Vanilla report to access custom report.



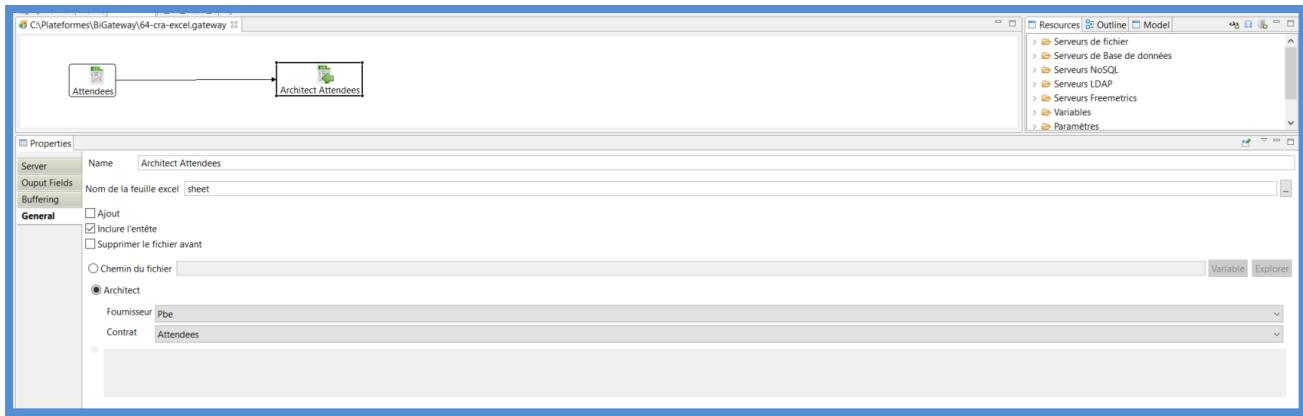
VANILLA DATA PREPARATION provides advanced features to manipulate date and is able to generate an ETL transformation to load dataset into a database and generate the dataset definition inside a metadata.

Dataset result can be saved into different format, such as sql table, xml or text file, or even pushed to Vanilla Air or to Data4Citizen Open Data portal

4 Architect

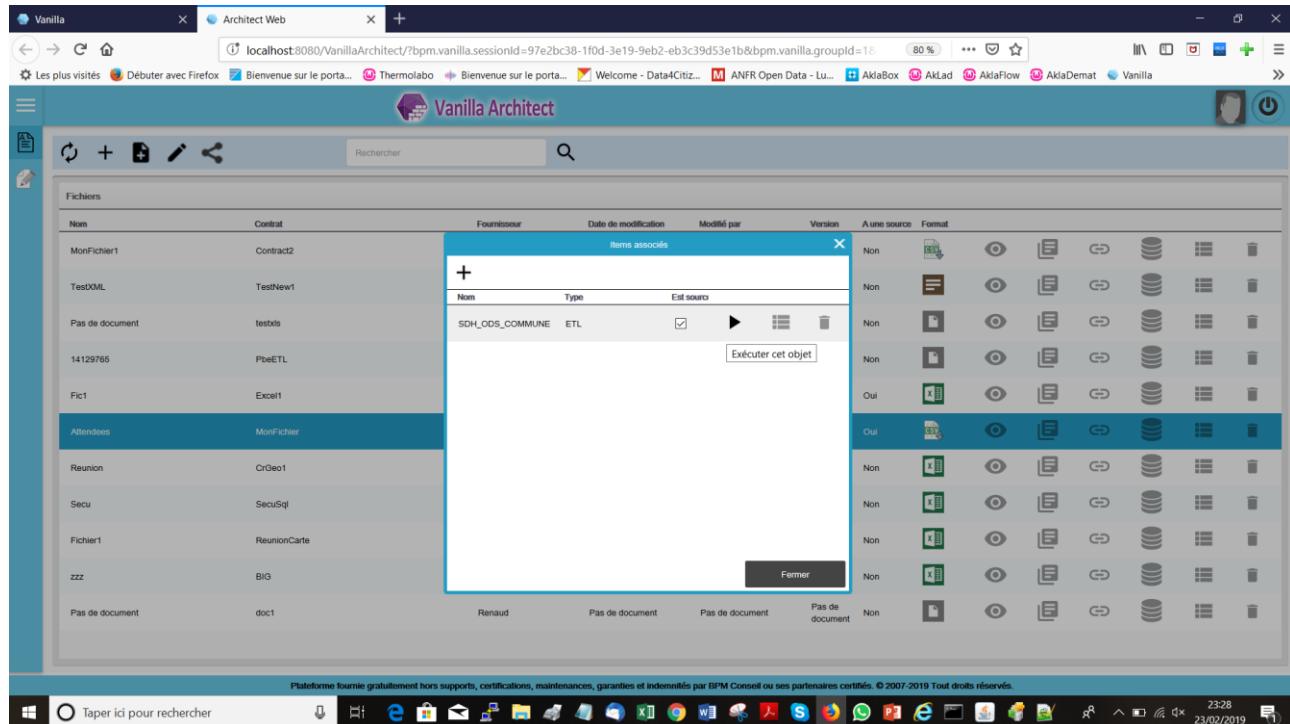
4.1 Integration with BiGateway

Architect files can now be loaded directly from BiGateWay, using BiGateWay's new feature for Excel and CSV files, which can be added as new version of existing file entry.



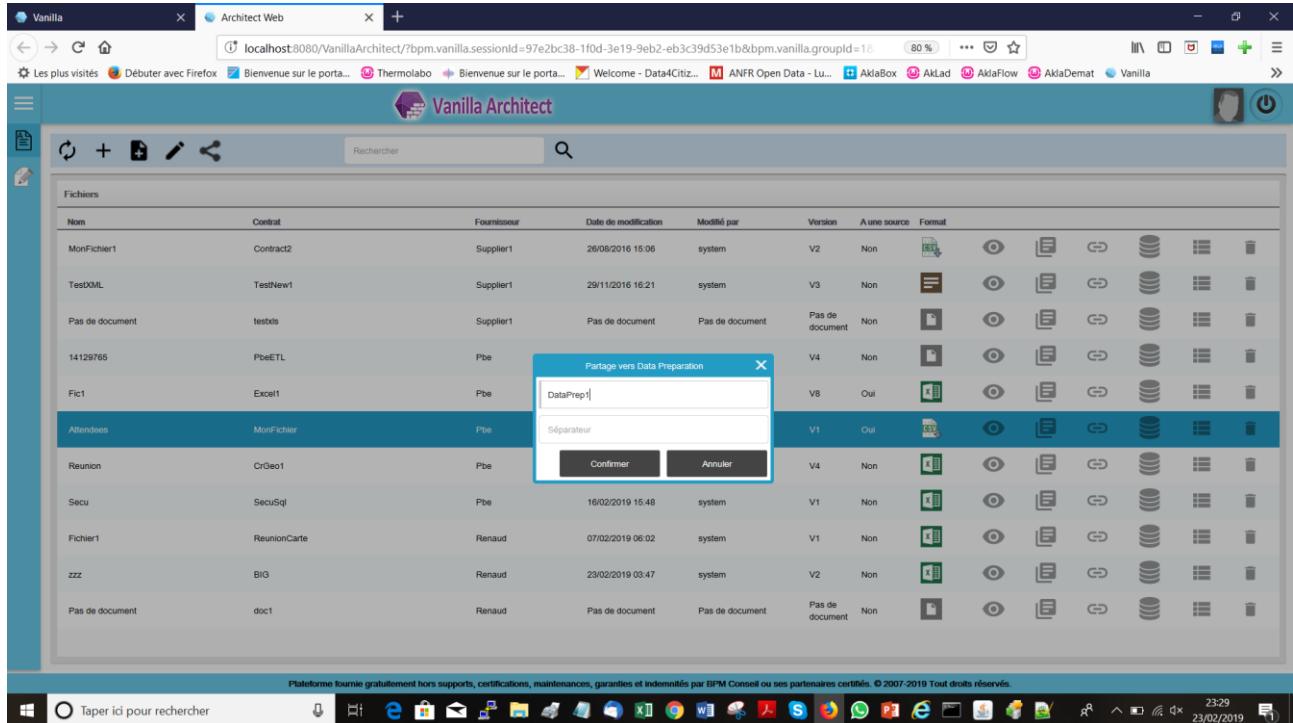
4.2 Update from BiGateway

Architect files can now be refreshed directly from the interface using a BiGateway ETL transformation, using the arrow in the interface



4.3 Push to Data Preparation

Architect files can now be push directly to Data Preparation, providing an easy way to view and manipulate Architect data file



The screenshot shows the Vanilla Architect web application running in a Firefox browser. The main window displays a list of files in a table format. A modal dialog box titled "Partage vers Data Preparation" is open over the table, containing the text "DataPrep1" and a "Confirmer" button. The browser's address bar shows the URL "localhost:8080/VanillaArchitect/?bpm.vanilla.sessionId=97e2bc38-1f0d-3e19-9eb2-eb3c39d53e1b&bpm.vanilla.groupId=1". The taskbar at the bottom of the screen shows various pinned icons.

Nom	Contrat	Fournisseur	Date de modification	Modifié par	Version	A une source	Format						
MonFichier1	Contract2	Supplier1	26/08/2016 15:06	system	V2	Non							
TestXML	TestNew1	Supplier1	29/11/2016 16:21	system	V3	Non							
Pas de document	testbts	Supplier1	Pas de document	Pas de document	Pas de document	Non							
14129785	PbeETL	Pbe			V4	Non							
Fic1	Excel1	Pbe			V8	Oui							
Attendees	MonFichier	Pbe			V1	Oui							
Reunion	CtGeo1	Pbe			V4	Non							
Secu	SecuSql	Pbe	16/02/2019 16:48	system	V1	Non							
Fichier1	ReunionCarte	Renaud	07/02/2019 06:02	system	V1	Non							
zzz	BiG	Renaud	23/02/2019 03:47	system	V2	Non							
Pas de document	doc1	Renaud	Pas de document	Pas de document	Pas de document	Non							

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5 Vanilla Hub

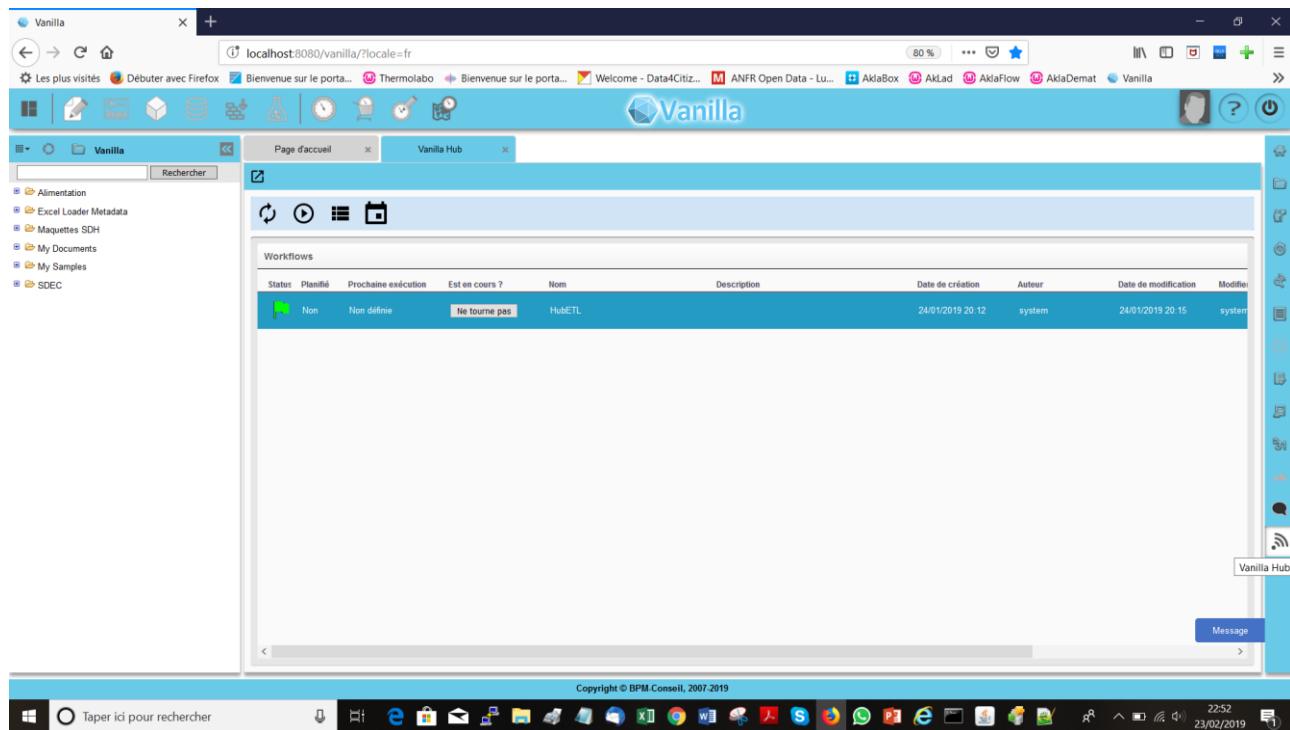
5.1 Packaging

Vanilla hub is now fully integrated as a Webapps inside Vanilla Server (before, it was just an additional module)

Please refer to Vanilla Hub documentation to explore the endless possibility of the module

5.2 Portal Integration

Vanilla Hub workflow can now be run from Vanilla portal



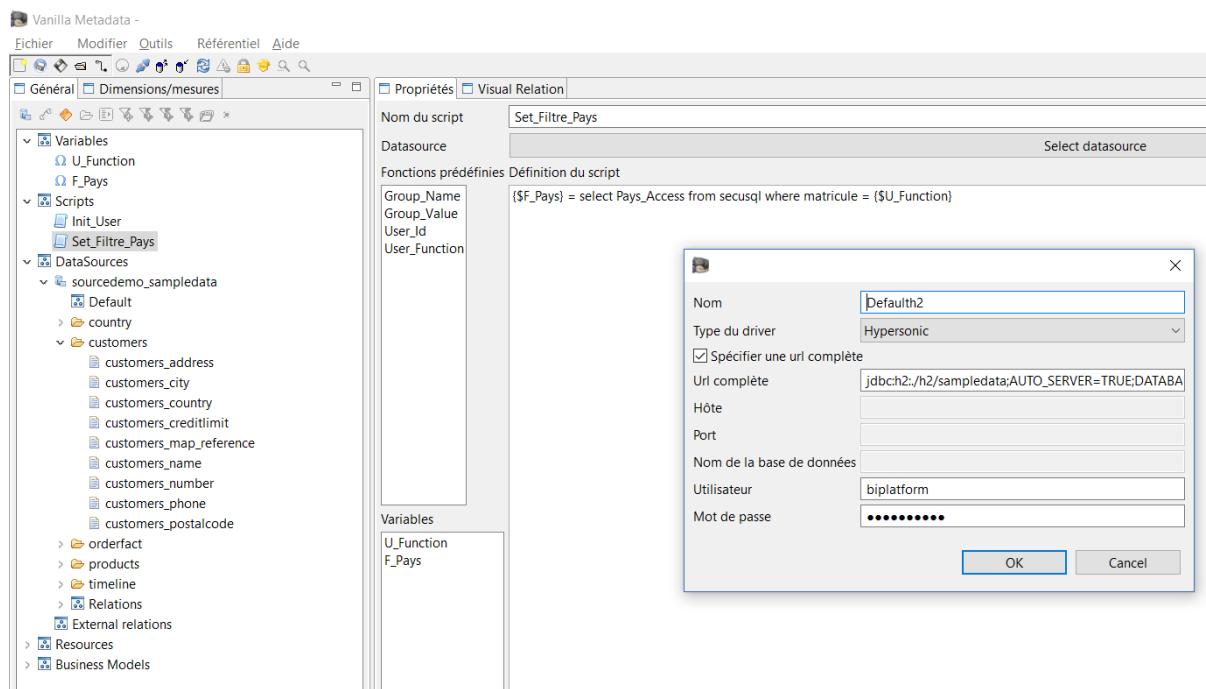
6 Metadata Designer

6.1 Support for “external sql security”

Through scripting in Metadata Designer, it's now possible to use an external data source to secure/filter data in real time, removing the burden to define security for each group on secured tables.

For more information on this feature, please refer to document : [Vanilla64-SqlSecurity](#)

Scripting interface in Metadata Studio



Note : the package viewer is able to run queries with selection for specific User Profile, to support tests for User security strategy

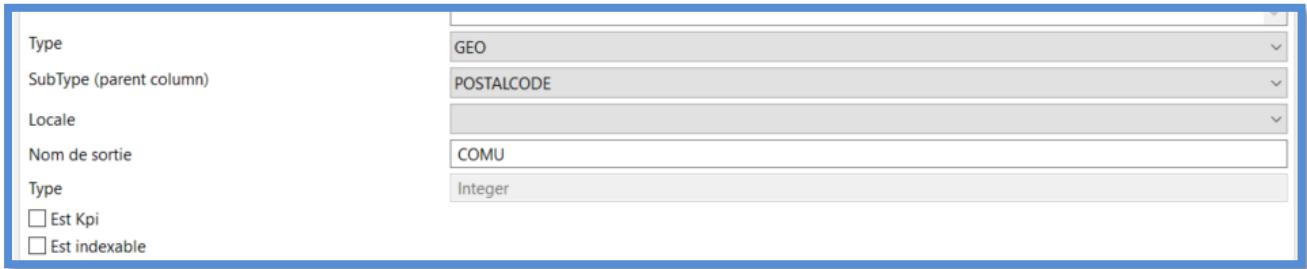
6.2 New Typing interface

We have updated the Metadata interface to allow designer to set properties on dataset's column, thus prepare data usage with Web interface such as Web Explorer or Data Preparation

Dataset columns can now be typed as

- geo columns, with subtype (country, city, Id ...),
- date columns (year, month ...),
- dimension, with parent dimension
- Measure, with measure behavior (aggregate type)

Typing interface in Metadata Studio



The screenshot shows the 'Metadata Studio' interface with a focus on column typing. On the left, there are several configuration fields:

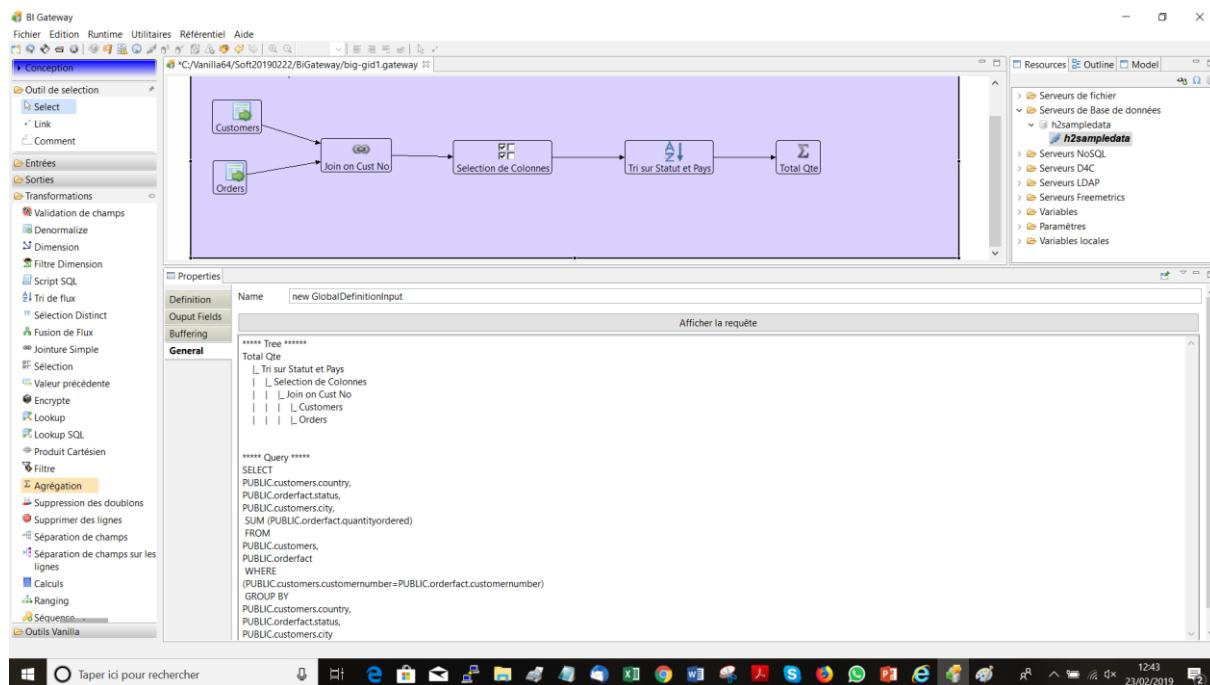
- Type: GEO
- SubType (parent column): POSTALCODE
- Locale: COMU
- Nom de sortie: Integer
- Type:
 - Est Kpi
 - Est indexable

7 BiGateWay

7.1 GID Revival – Sql Optimization

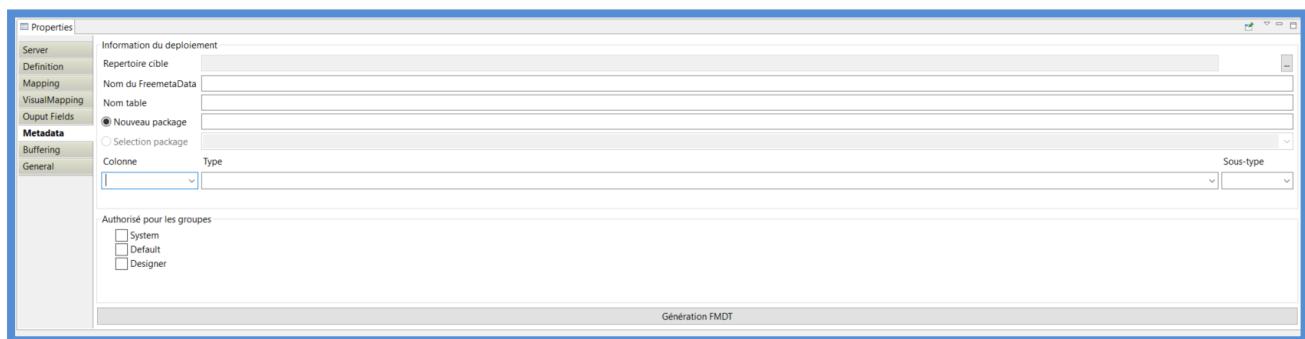
BiGateway's revival of the GID component to optimize sql generation.

Please refer to the document [Vanilla64-BiGateWay-GID Composant](#) to learn more about the feature's usage



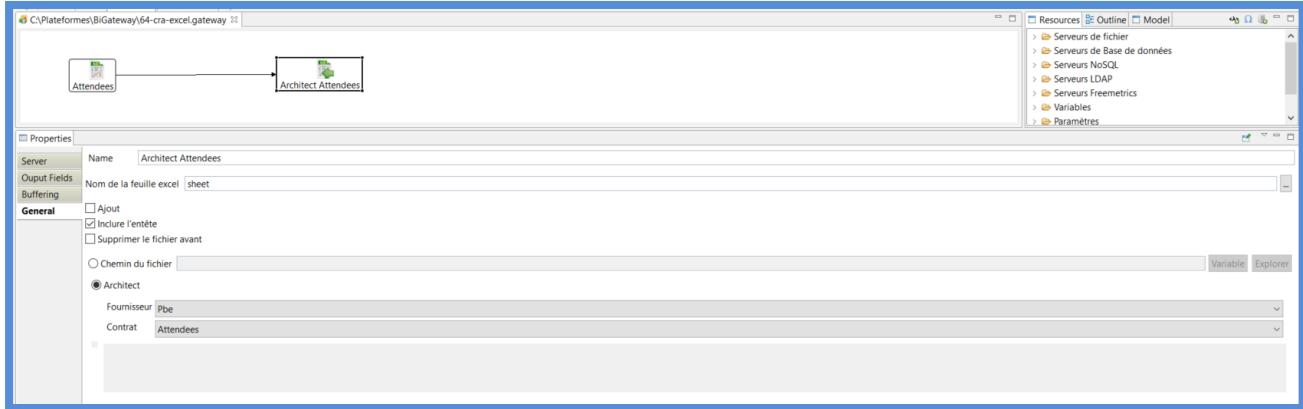
7.2 New interface to design Metadata

Using dataset column definition, it's now possible to publish the saved dataset (usually in a sql table) directly into an existing Metadata, thus providing an easy way to immediately visualize the data with Web Explorer



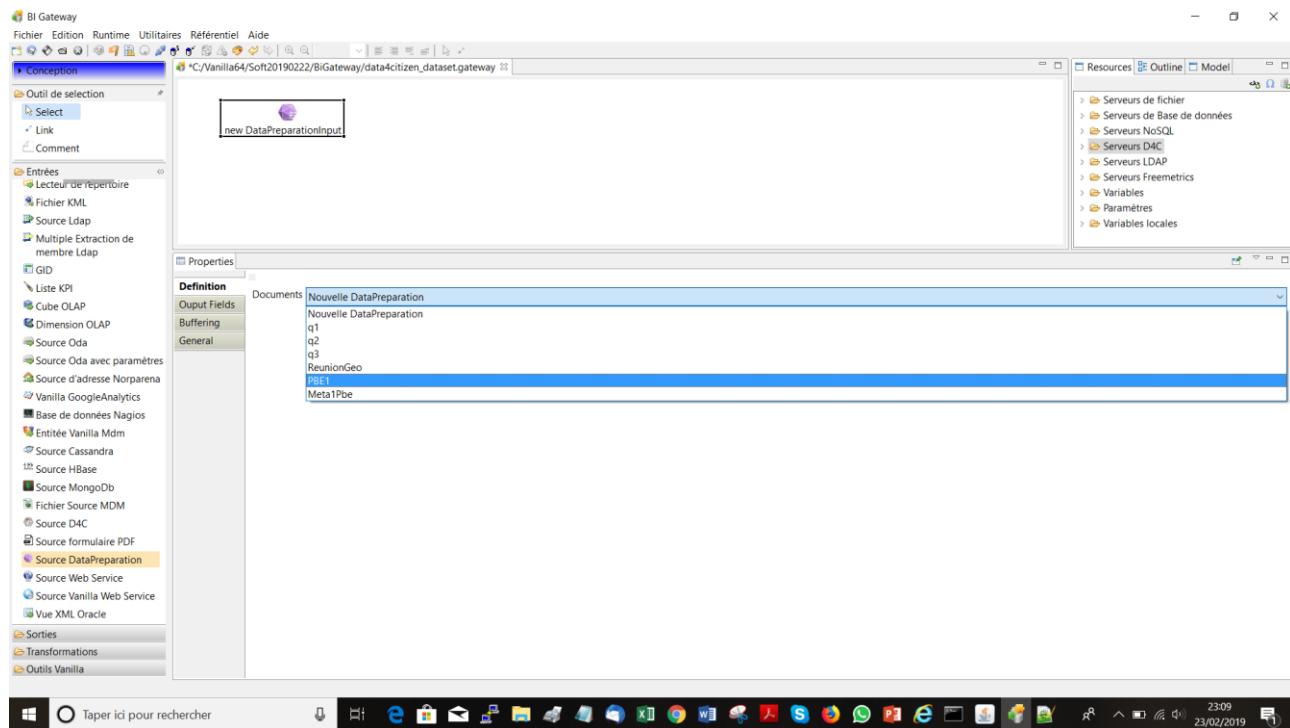
7.3 Architect Integration

Architect Files can now be used as data source or as data target, making the update process of dataset even easier to automate



7.4 New supported input file

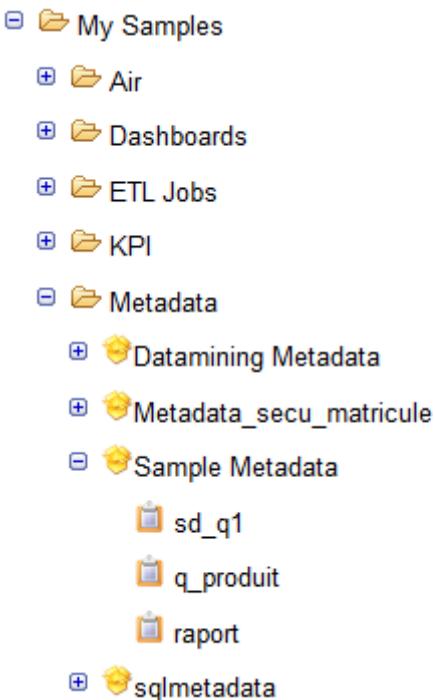
Together with Data4Citizen and Architect datafile, BiGateway supports now Vanilla Data Preparation dataset as data source



8 Vanilla Portal

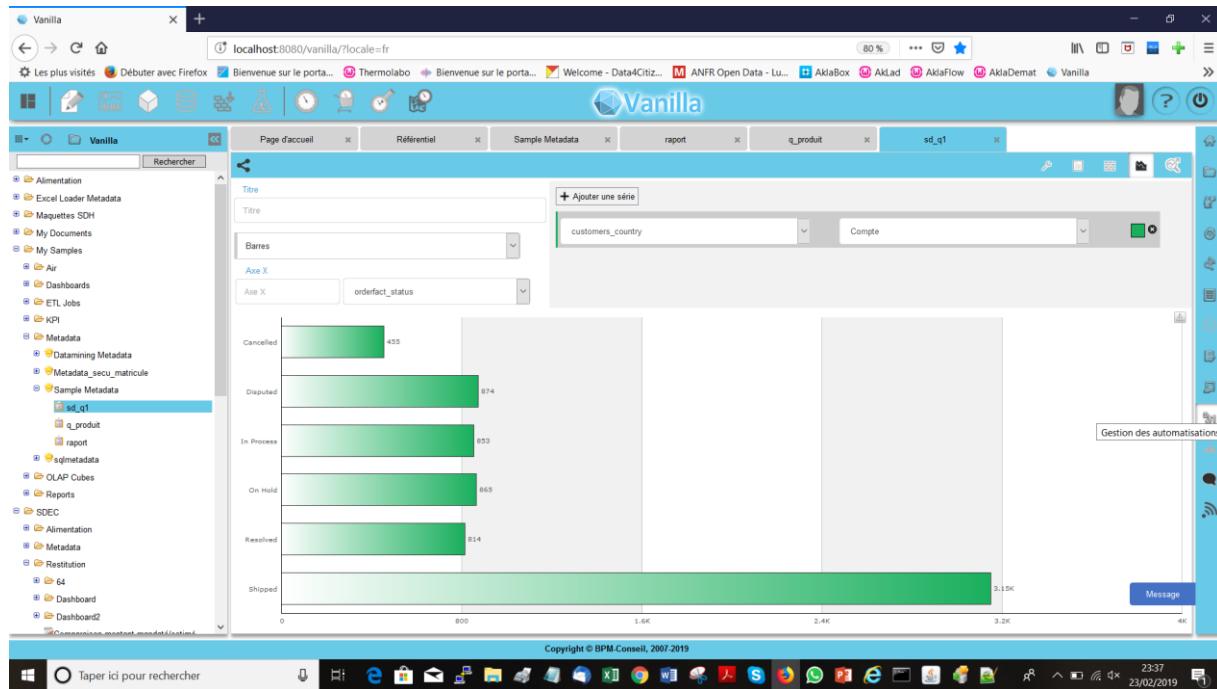
8.1 Direct Access to queries

Queries define using Metadata Explorer can now be found and open directly from portal, under the Metadata entry



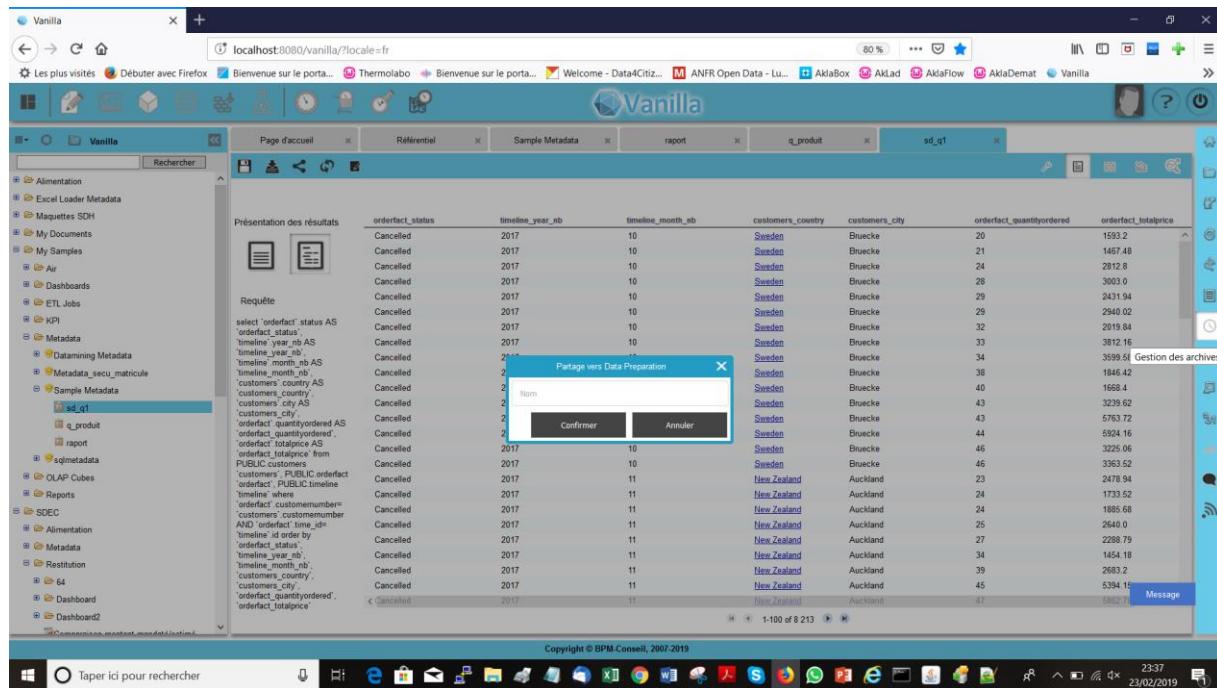
8.2 Update of the DataViz Interface

Update of the DataViz interface available in Web Explorer (also available in Data Preparation and WebAnalysis)



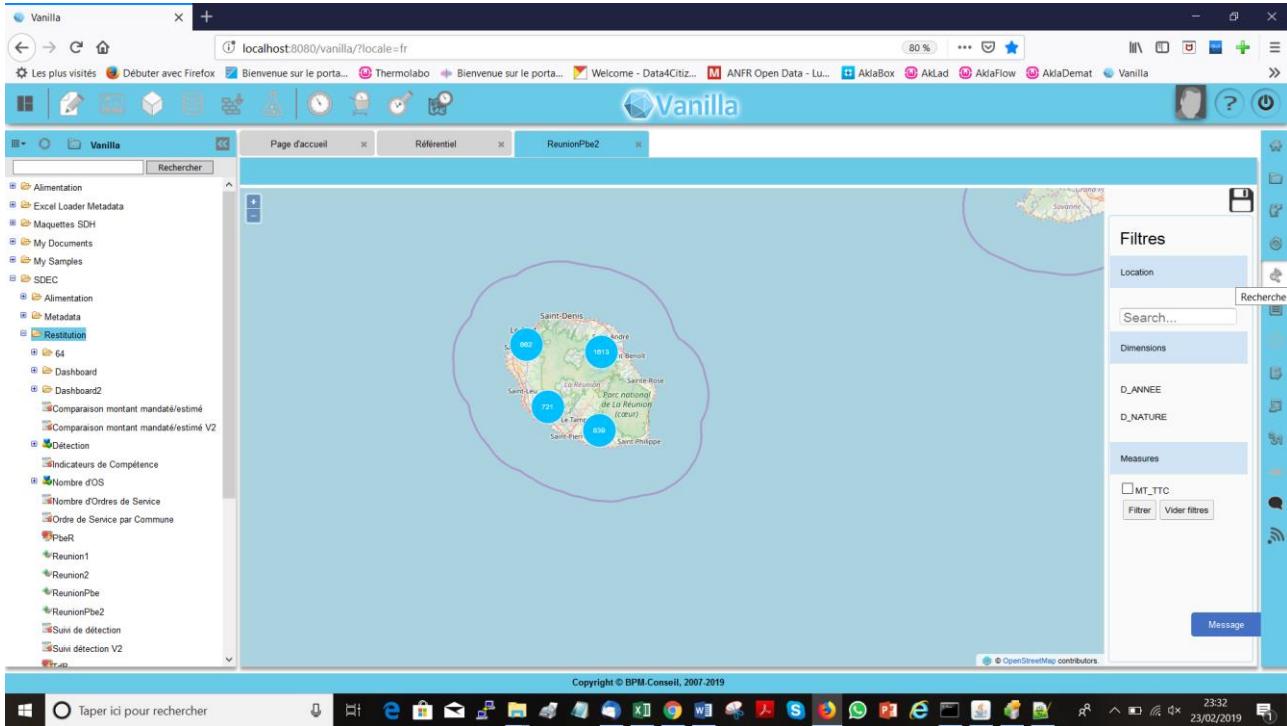
8.3 Push Metadata Explorer Query to Data Preparation

Push to Data Preparation is available from Web Explorer



8.4 Runing Data Preparation Maps

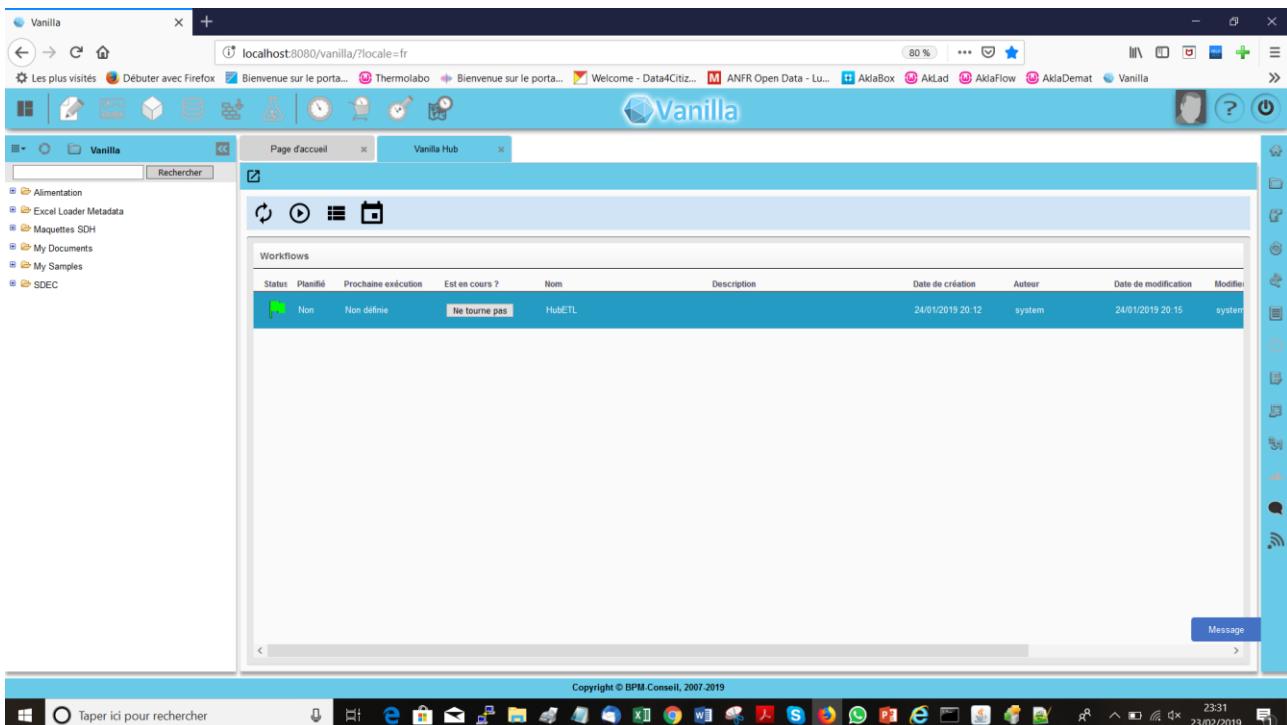
Maps design and publish from Data Preparation can now run from Vanilla portal



The screenshot shows a Vanilla portal interface. On the left, there is a sidebar with various project and system links. The main area displays a map of the island of Réunion with several data points marked by blue circles. A purple circle highlights a specific area around Saint-Denis. To the right of the map is a sidebar titled 'Filtres' (Filters) which includes sections for Location, Dimensions, and Measures. The 'Dimensions' section contains fields for 'D_ANNEE' and 'D_NATURE'. The 'Measures' section contains a checkbox for 'MT_TTC' with options to 'Filtrer' (Filter) or 'Vider filtres' (Clear filters). The bottom of the screen shows a Windows taskbar with various icons.

8.5 Runing Vanilla hub

Vanilla Hub workflow can now be run from Vanilla portal

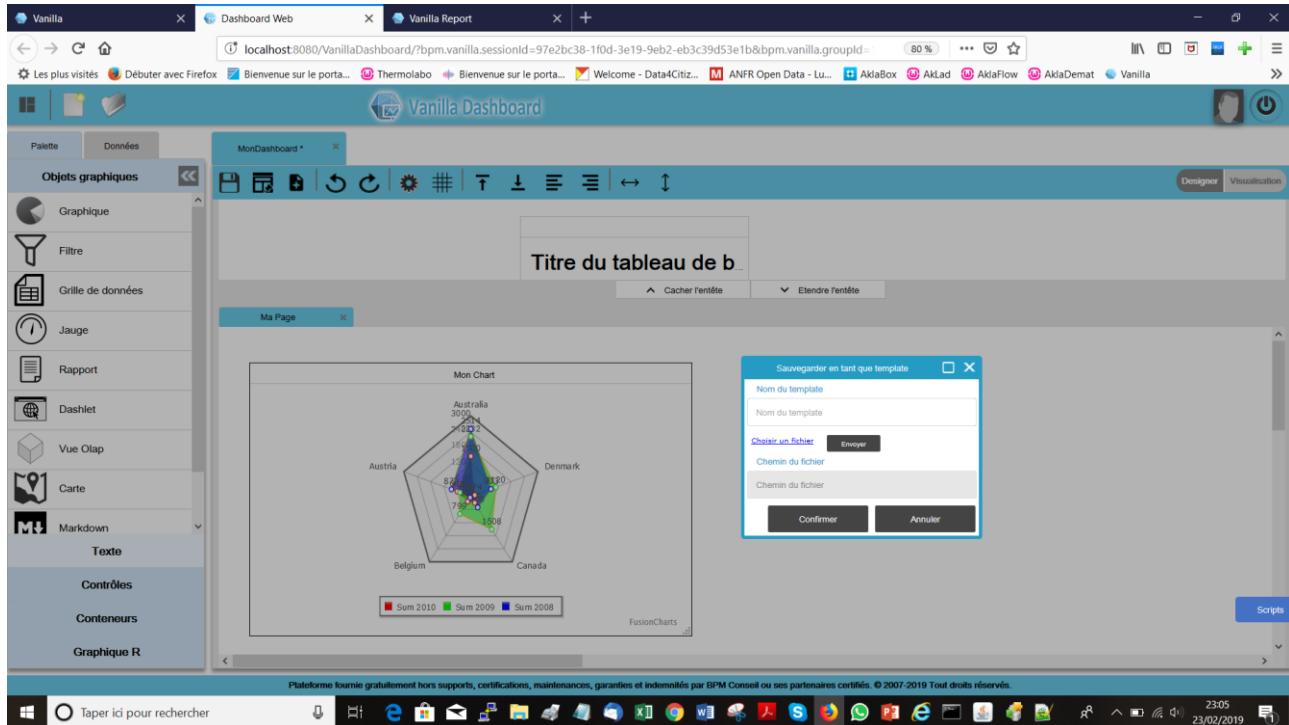


The screenshot shows a Vanilla portal interface with the 'Vanilla Hub' tab selected. The left sidebar has the same set of links as the previous screenshot. The main area displays a table titled 'Workflows'. The table has columns for Status, Planifié (Planned), Prochaine exécution (Next execution), Est en cours ? (Is it running?), Nom (Name), Description, Date de création (Creation date), Auteur (Author), Date de modification (Modification date), and Modifiez (Edit). There is one entry in the table: a green status icon, 'Non' in the Planifié column, 'Non définie' in the Prochaine exécution column, 'Ne tourne pas' in the Est en cours? column, 'HubETL' in the Nom column, and 'HubETL' in the Description column. The creation and modification dates are '24/01/2019 20:12' and 'system'. The bottom of the screen shows a Windows taskbar with various icons.

9 WebDashBoard

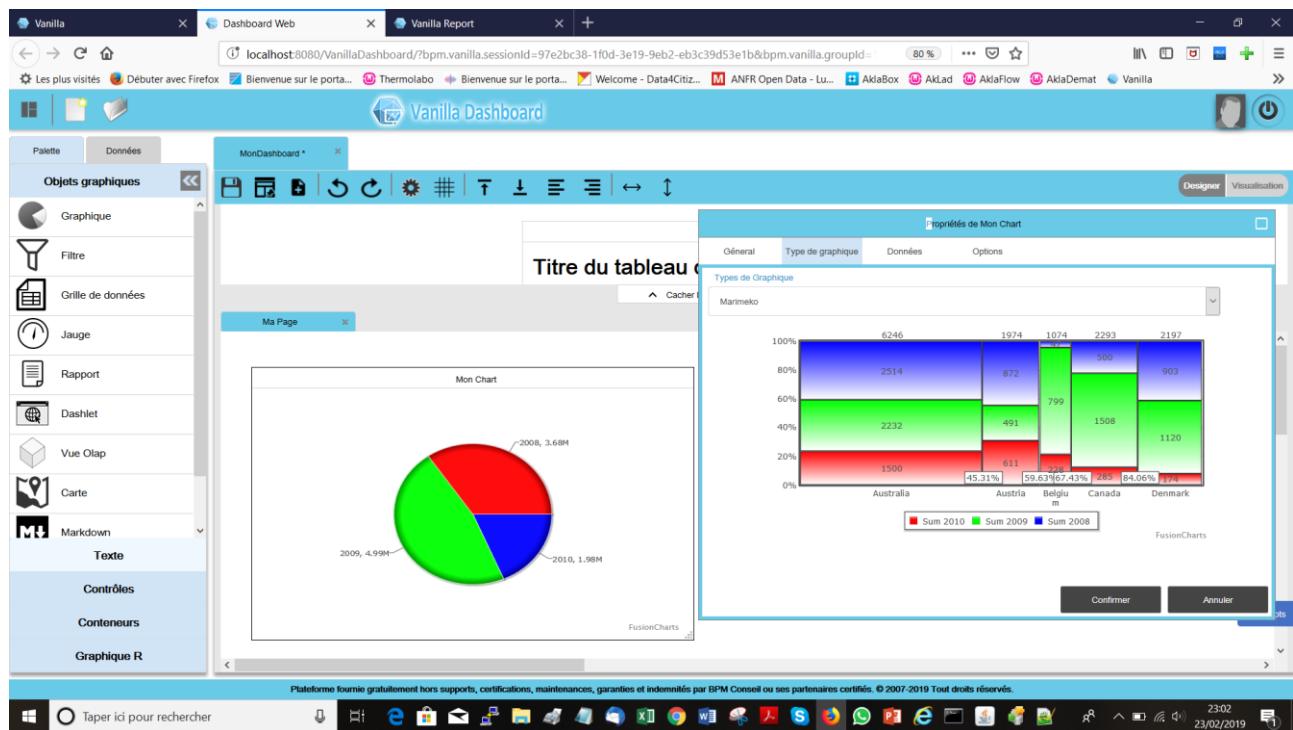
9.1 New template interface

Any dashboard can now be saved as a template, to be later reused with new Dashboard, using a wizard interface



9.2 Default Options on graph have higher value

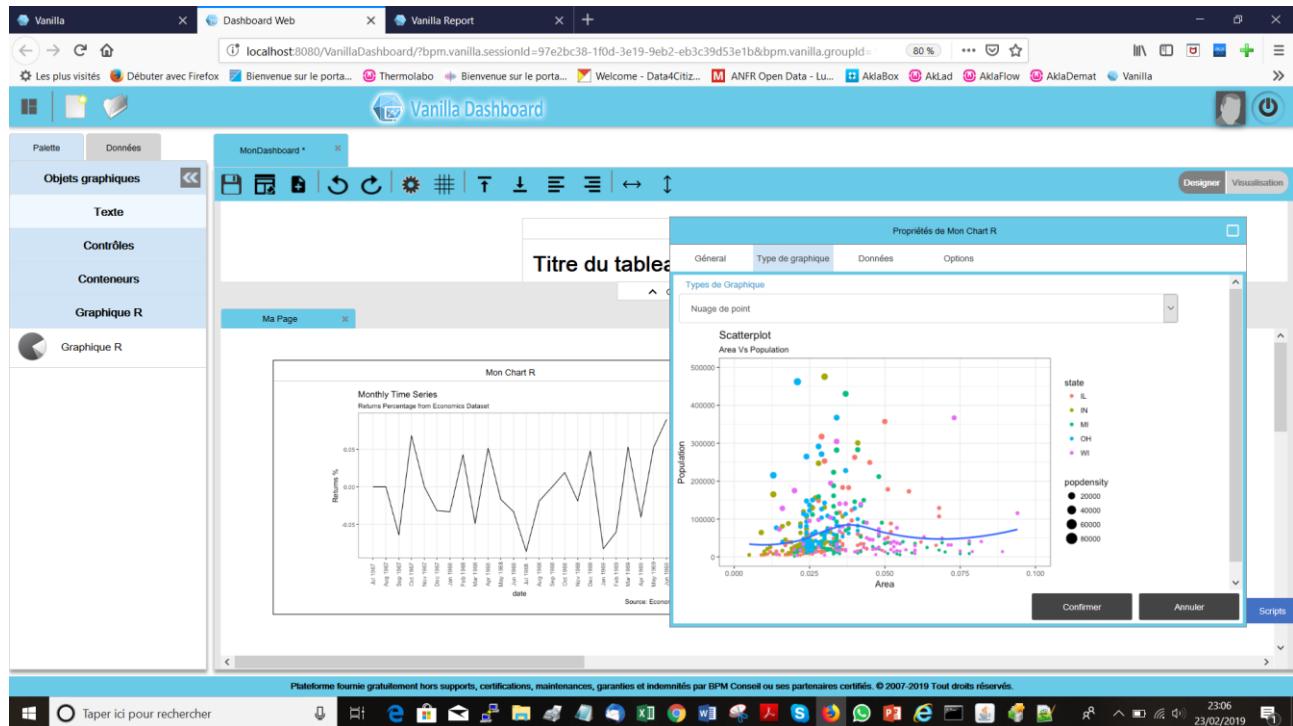
When dropping a new chart on workspace, the default value for the chart dimension will be set according to the dimension of the design, removing the burden to set the value in the design interface ...



9.3 Possibility to design FlexDashboard

WebDashboard interface update, with new component for an easier-to-use chart definition interface and support for R set of chart (in addition to markdown support)

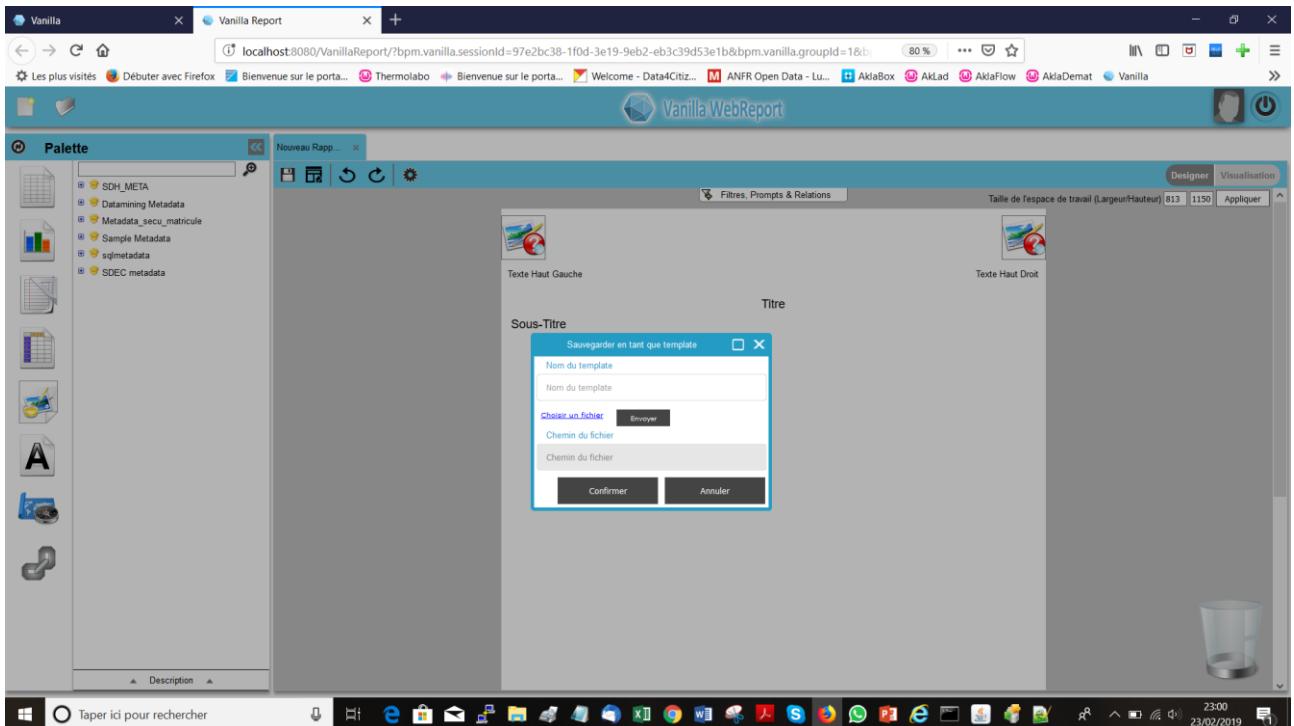
R graphical packages provide endless possibility to visualize data



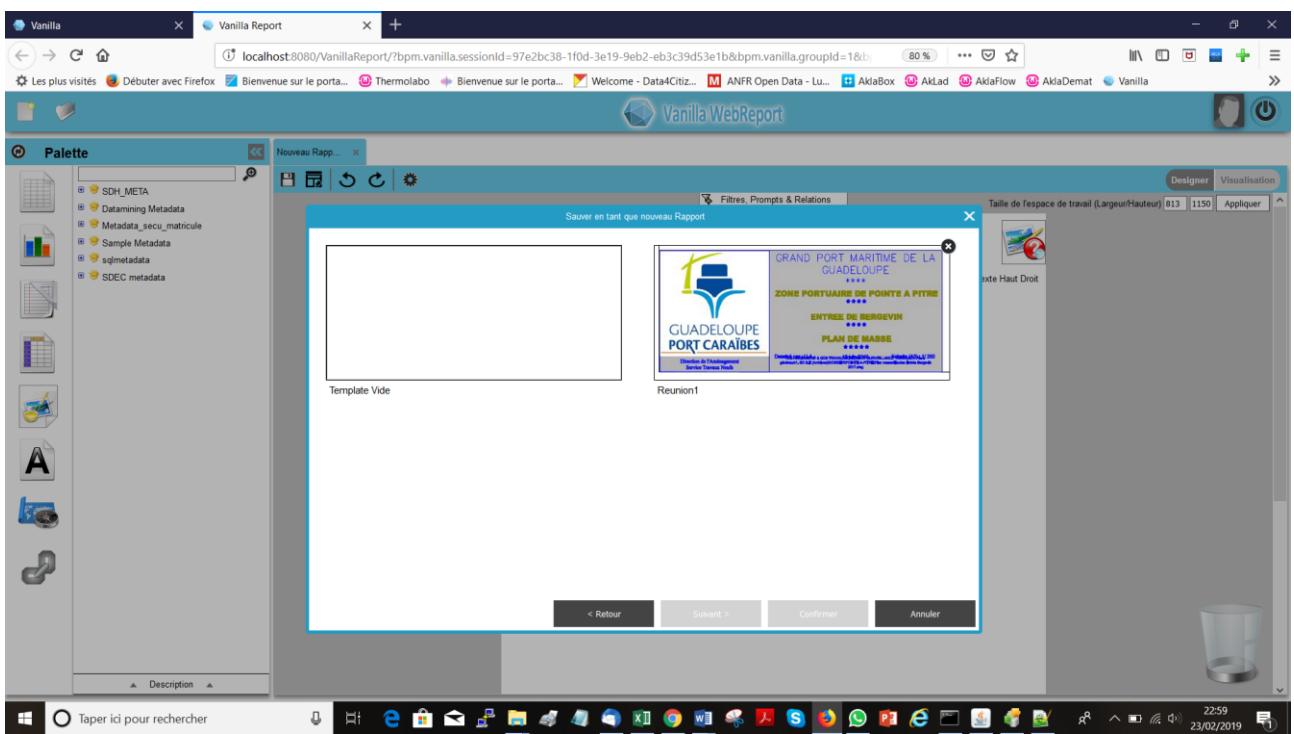
10WebReport

10.1 New template interface

Any report can now be saved as a template, to be later reused



When creating a new report, the wizard will display the existing templates



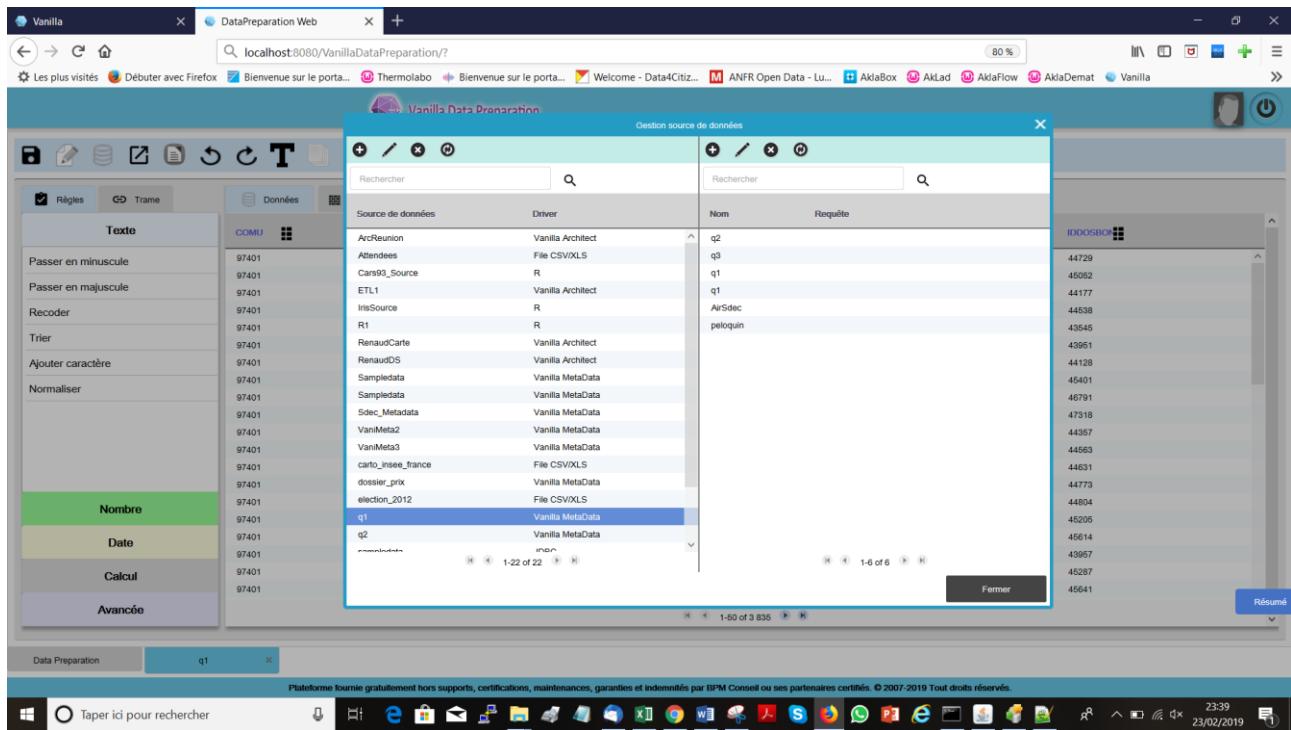
11 DataSet Management

DataSet interface becomes the central module to manage data sources and data files, to be used in all the Web designers

This interface has been refreshed and secured, to provide a better user experience when it comes to database and queries definition

- Interfaces has been enlarged to fit the screen
- List of database is now larger
- New sort and filter functions are available
- Naming the data source and queries is now mandatory

Interface for DataSet Management



12 Data4Citizen Integration

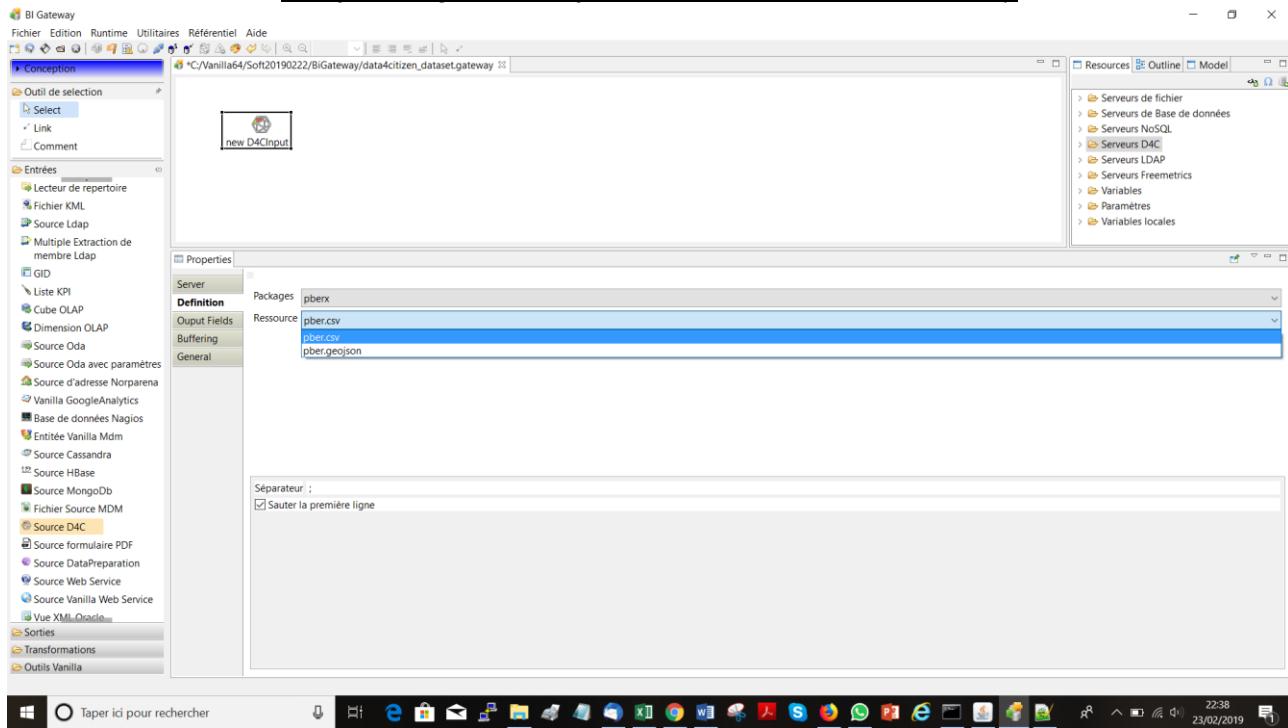
Data4Citizen is our Open Data platform, built on Ckan, Drupal and Solr. Since the origins, Data4Citizen has been taking advantage of Vanilla to transform and publish dataset.

With version 6.4 of Vanilla, we provide now more integration between the 2 platforms

12.1 Integration with Data4Citizen as data source

Vanilla Hub and Vanilla BiGateWay can now access Data4Citizen dataset as simple table

Interface to get dataset from Data4Citizen into BiGateWay



12.2 Integration with Data4Citizen as target

Vanilla Hub, Data Preparation, BiWorkFlow and Vanilla Portal can push dataset in csv format into a Ckan instance. Vanilla Hub and Data Preparation can even generate geojson file to be published with the dataset, providing immediate availability of “data & maps”

Interface to push dataset from Data Preparation to Data4Citizen

