GEOSPATIAL WORLD FORUM

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isogeo

CATALOGUING GEODATA

A prerequisite to INSPIRE compatibility & Open data Strategy

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Good morning everybody and thanks for coming.

For those of you who don't know me, my name is Mathieu Becker. I'm the founder and CEO of Isogeo, a French software company specialized in geodata management since 2009 (and become the leader in France).

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This morning, I'm going to talk to you about :

> Our vision of data management, especially in the Inspire and open data context

> Then, I'll go on to tell you about the Isogeo Platform

> And finally I'll show you how it works based on one user case

I'll be pleased to answer any question you have at the end of my presentation.
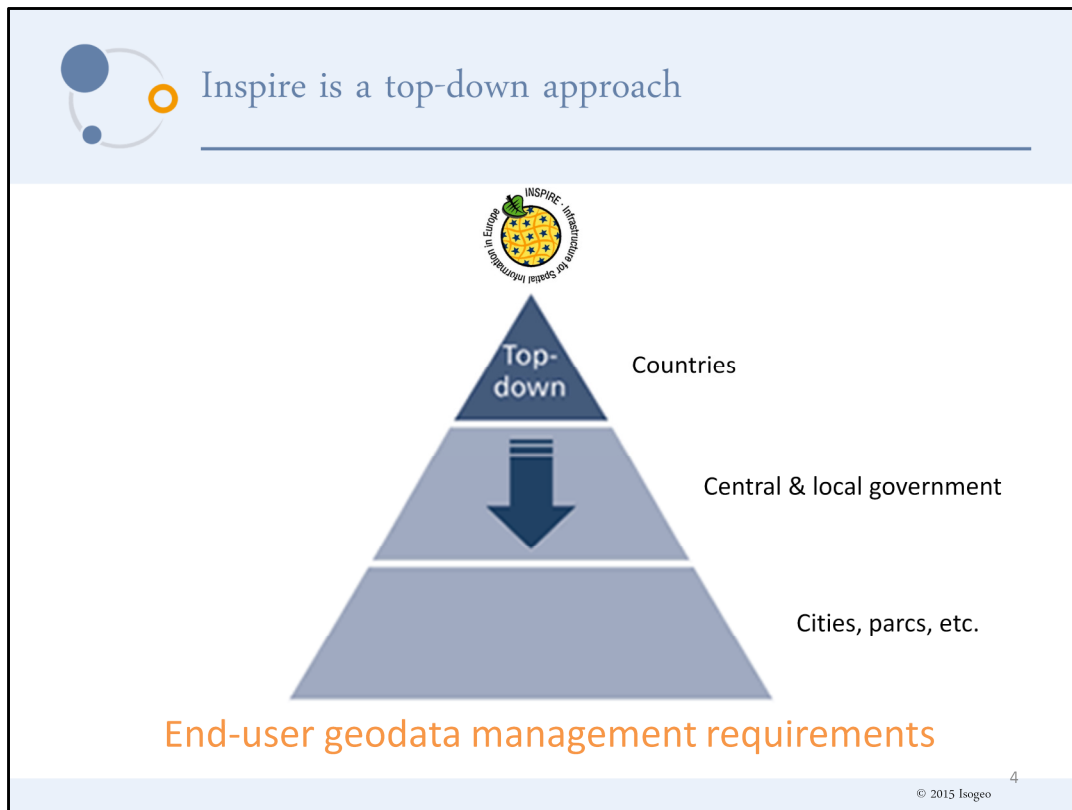
**Complexity or opportunities ?**

OPEN DATA · INSPIRE · WEB

Let's start with our vision and our approach to geodata management.

The main question is how to respond quickly and effectively to the complex European directive Inspire. At the same time we have to be aware all the opportunities and challenges created by open data and the web in general..

Since the introduction of the Inspire directive, the European countries have been required to take a top-down approach to implementing data management solutions.

By this, I mean that all SDI Architecture is led by central and local government decisions, ratter than by end-user geodata management requirements.

Source : AFIGEO, mai 2014
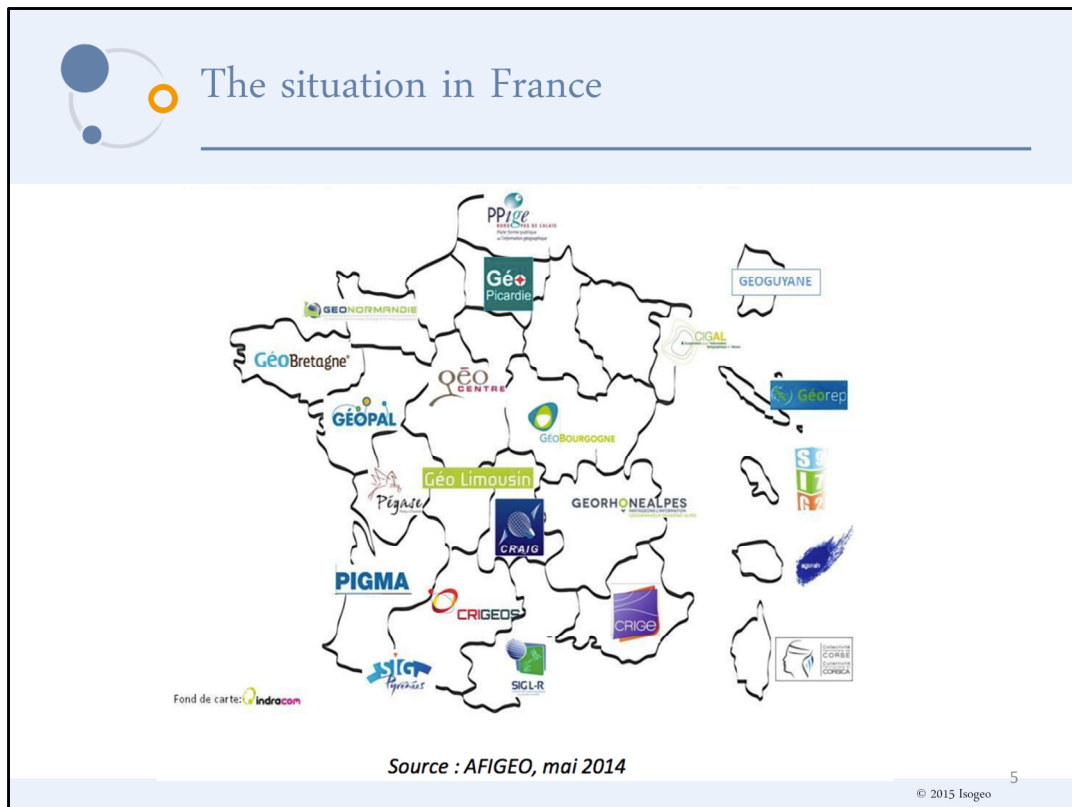
As you can see from this map, in France for example, we have around 30 different SDIs. All of them are led and supported by main public organizations, such as Régions and Départements. In most cases, they are subsidized by Europe.

The end-users involved in the Inspire directive, such as cities, national parcs, firestations have to register and document their data on these obligatory platforms.

Finally, the ROI is minimal...

1. Time consuming and done to comply with Insp...

1. The inventory can not be...

1. Diff... ...ny updating process

INFLEXIBLE & USER-UNFRIENDLY

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This is typically a top-down approach. The return of investment is minimal for several reasons:

> Firstly, it is time consuming and carried out (done) to comply with the requirements of Inspire

> Secondly, the inventory or catalogue can not be used internally

> And thirdly it is difficult to control any updating process .

We, at Isogeo, consider this traditional top-down approach both inflexible and user-unfriendly.

Isogeo has reversed this approach.

For us, everything starts with the requirements of the end-user with a bottom-up approach to Inspire, Open data and so on..

the requirements of the end-user are questions such as:

>Where is the data I need?

>Is it up to date?

>Are there any legal restrictions I should be aware of?

>To what extent can I share it with suppliers, partners and others?

Let me show you how Isogeo has created a better way to manage your data

A 3-step process

1. **DISCOVER**   2. **DOCUMENT**   3. **SHARE**

FILES   DATABASES   WEB service   Your GEO DATA

By skills   By themes   By users   Inside   With partners   Open Data

Automatic SCAN — A comprehensive and up-to-date inventory of your geodata in a few clicks

Fully documented GEODATA IN CATALOGS — User-friendly and automatic filling entry form for metadata

Geodata released FOR THE BEST — A new world of opportunities through collaboration

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Isogeo is a ready-to-user collaborative Platform wich aims to simplify the access to geodata and his management.

Firstly, all the data, whatever the format, is scanned and a comprehensive and up-to-date inventory is created. During this stage it is important to note that the inventory is automatically pre-documented in terms of technical information such as the type and number of features, attributes, scope and so on.

Secondly the inventory can be documented by the end-user in terms of conditions of use, contacts, history, genealogy of the data. Isogeo has developed powerful tools to ensure that this can be performed by non GIS specialists.

As part of the documentation process, the comprehensive, up-to-date and documented inventory can be organized into different catalogues.

If you look on the right side of the slide you will see the final stage, the sharing process: the return of your investment.

In a few clicks your catalogues can be shared internally, with partners and the local Inspire Platform or a specific portal for open data.
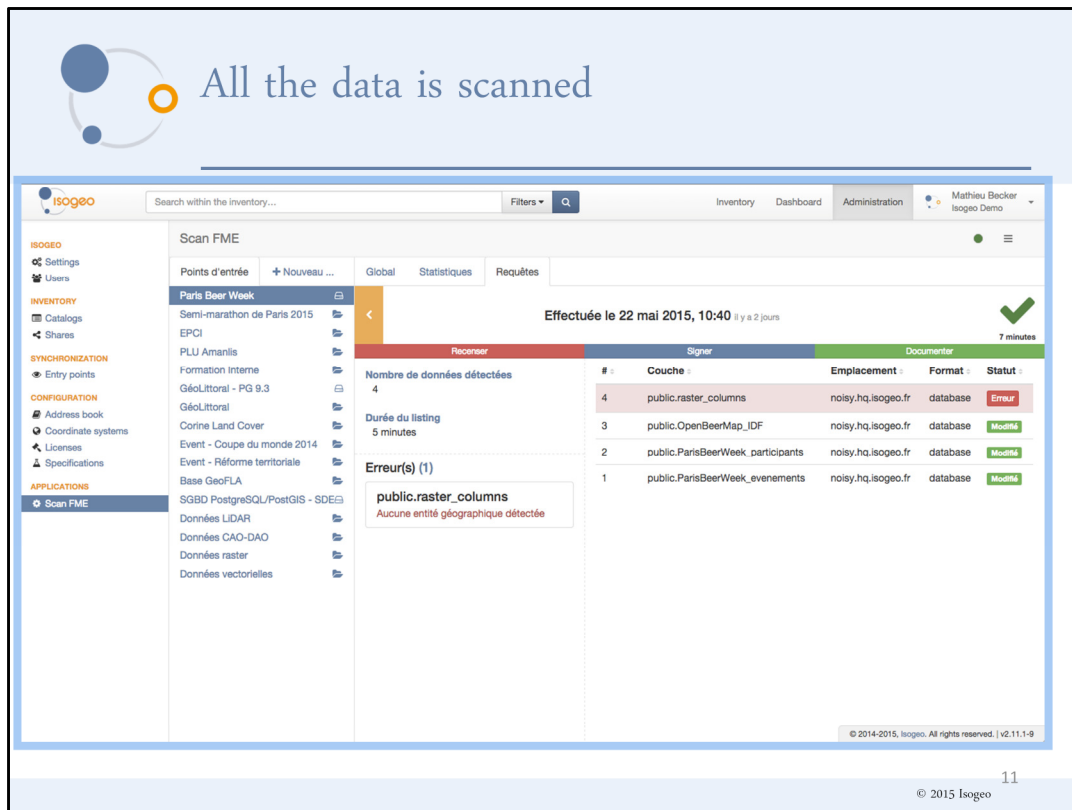
Let me show you some screen shots of the Isogeo Platform.

The SCAN create metadata directly from the data…

And a comprehensive and up-to-date inventory

There you can see the user-friendly interface to document your data
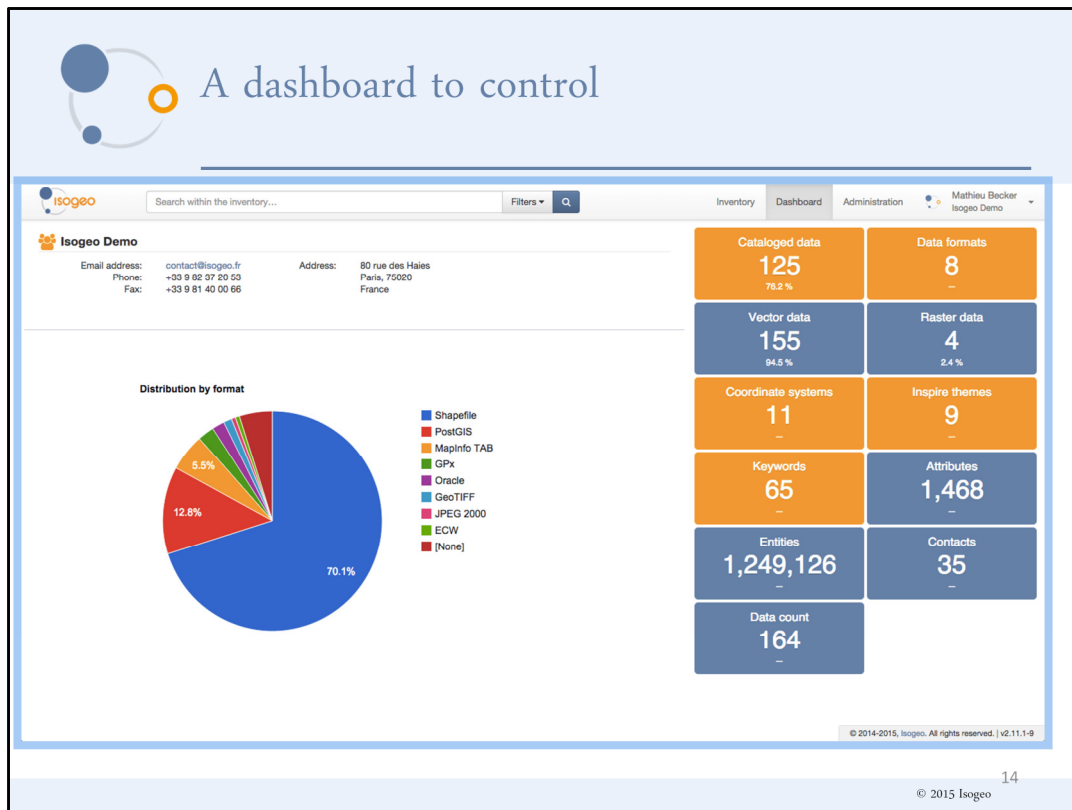
The dashboard is very intersting to have a good overview of your data asset

The final process allows you to share your catalogues at a glance

With Inspire requirements like CSW
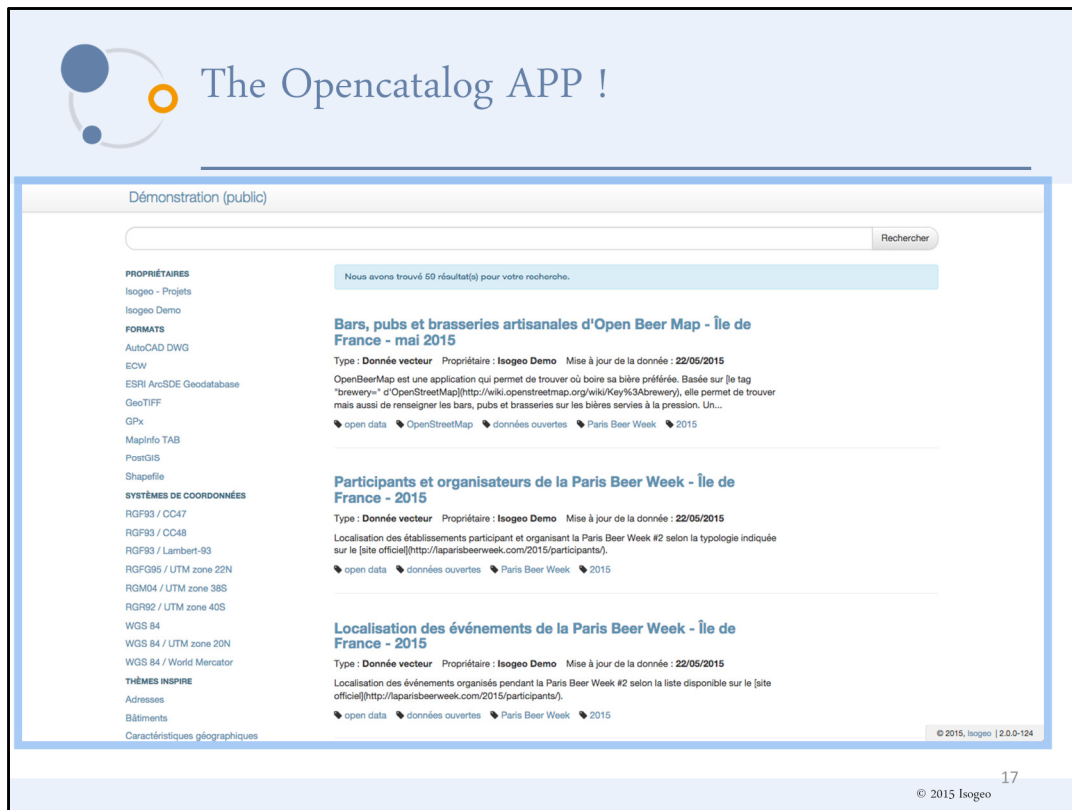
Or with partners and suppliers through the Opencatalog Application, a mini web site hosted and supported by the Isogeo Platform.

I would like to finish by showing you a user case witch illustrates the capabilities of our platform.

Plaine Centrale Urban Community and the city of Créteil

3 Challenges

- to facilitate access to the geodata internally for every employee.
- to comply with Inspire requirements
- And to initiate an open data project.

In 2014 we delivered a geodata management solution for Plaine Centrale Urban Community and the city of Créteil near Paris.

There were 3 challenges:

- to facilitate access to the geodata internally for every employee.

- to comply with Inspire requirements

- And to initiate an open data project.

Using the Isogeo Platform, this organization is now able to carry out these three separate tasks with one single effective solution. In the past, it would have been completed through three separate and time consuming projects.

The dashboard of Plaine Centrale
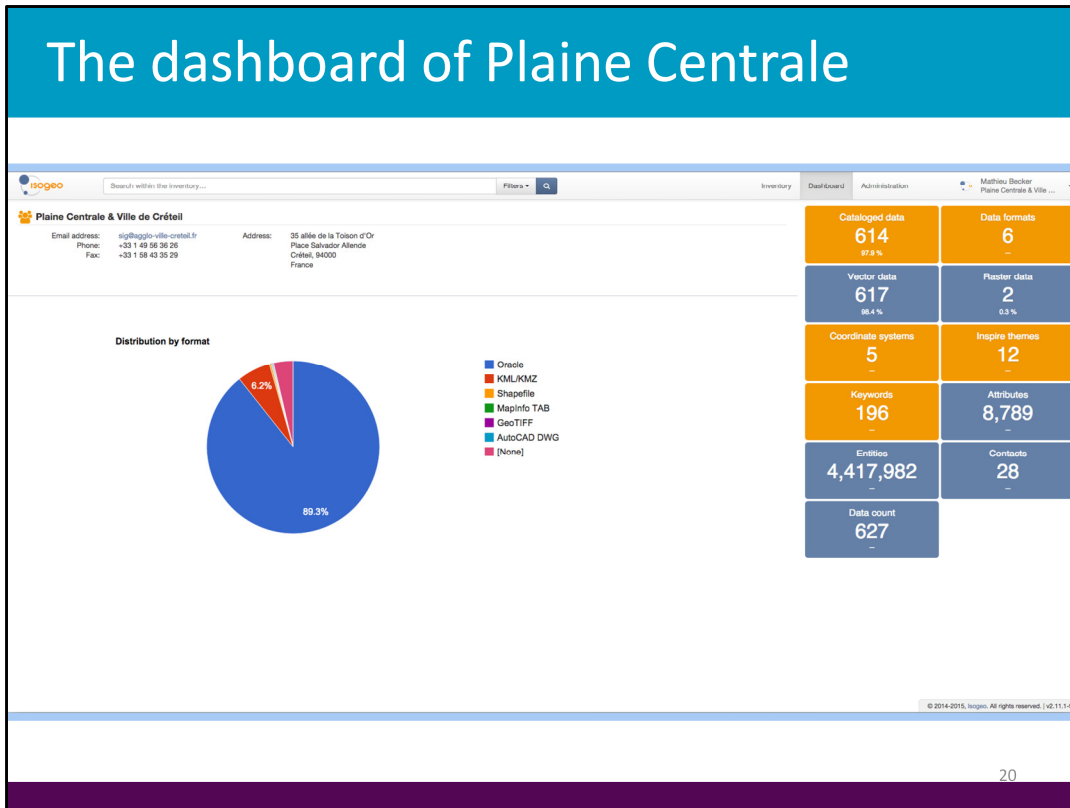
Let me show you some screen shots of the solution

On the dashboard of Plaine centrale, you cas see an overview of his data asset.

There have 627 data is X different formats wich represent more than 4 millions of vector objects.

1 solution for several uses

- 1 Portal for internal user
- 2 open data portal
- 1 Opencatalog for sharing with HERE
- An other one for the University
- Opencatalogs for suppliers

- Time saving
- Easy access to geodata
- A dashboard to manage the GIS
- Third-party applications

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In conclusion

- User-centric approach

- Based on customer needs

- User-friendly and flexible

- Allowing to share catalogues adequately

- Inspire & open data compliant

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In conclusion, Isogeo has developed a user-centric approach of geo-data management : based on customer needs.

Our software Platform is user-friendly, flexible and allowing to share inventories adequately… and YES it does Inspire and open-data !

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Thank you and see you to the Isogeo stand for demonstrations

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