Géo
Vendée Maison des Communes

## PCRS (Large scale core street map) Expérimentation Vendéenne


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## EnこDis

L'ELECTRICITE EN RESEAU
orange ${ }^{\text {ru }}$
GRDF
distribution france
$\square$


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Reform of the déclaration of the works and the intended start date of those works

## The other name for the reform is the :

## ANTI DAMAGES RULES

law for this reform was granted 2012

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## To improve the overall safety and security of the public and local area



## Who does this reform concern ?

## Primarily the local authorities are concerned as well as:



Network operators
Management companies
Excavation companies

## Anti damages rules

## Why is this reform being imposed ?

## This reform is being imposed principally :

To produce a map to identify the buried utilities networks with a accuracy of less than $\mathbf{1 0}$ centimeters


## This map engages the

 responsibility of local authorities:
## Anti damages rules

## Why is this reform being imposed?

## This reform is being imposed principally :

To produce a map to identify the buried utilities networks with a accuracy of less than 10 centimeters

## There are 2 stages:

$>2019$ for the urban areas
$>2026$ for the rural areas

## The reform in Vendée

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## municipality 《 urban 》 or < rural » defined by the reform.

Limits of municipality group
Stages of reform DT-DICT
2026 rural areas
2019 urban areas

The reform

Completion by 2019
Completion by 2026

## Kms of road network and buried network !


road network water network public Lighting

## PCRS

## Large scale core street map

Do these local authorities have this street reference map? The answer is NO

## And the timing? We must work quickly !!!

This reference map will be called PCRS, Le Plan de Corps de Rue Simplifié (Large scale core street map)

Le Conseil National de l'Information Géographique was defined by a géo-standard PCRS

Cio PCRS

## Large scale core street map

## What's the PCRS

## or large scale core street map?

## It's a co-ordinated reference

 map of all the elements in the street with a accuracy of less than $<10 \mathrm{~cm}$.

Bâti annexe

## More about PCRS...

## Which large scale core street map do we need to use ?

One for the networks operator to answer only the need for reform

One for the local authorities for the management of the road

## Large scale core street map

## CORE DATA

PCRS
TRADE DATA


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## Core Data

 Aerial photocrammétry

## Aerial photogrammétry Data processing



Aerial photogrammétry and layers « network»

## Core Data Mobile mapping

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## Various technologies have been tested

## With or without Lidar

## With or without Laser

## Inertial system



## Camera (multi-lens) fixed and calibrated to take pictures

PCRS

## Large scale core street map

After the data acquisition phase, the production phase begins
 Comparative techniques
Advantages
and

## disadvantages

Traditional GPS TOPO;
Mobile mapping
LIDAR or immersives views;
Aerial shots (great précision pixel 5 cm );
++ Limits $++\quad+$

## PCRS Large scale core street map Planning

January 2018: Start of map production

Décember 2017 : Publication for the call for tender
September 2016 : Financial terms for the call for tender

June 2016 : Definition and writing of the call for tender for the project

May 2016 : Summary of the partners specifications and definition of territorial units over 4 years

April 2016 : Definition of the specifications for each partner

## A call for tender concerning :



## Call for tender Large scale core street map



A vectors street map for the urban areas followed by an aerial photo with an accuracy of $5 \mathbf{c m}$ for the rural areas

Obligation of result without imposing techniques

A departmental answer split into 4 or 5 stages

## Call for tender Large scale core street map

## 3 Municipality groups >> 37 local authorities


ère tranche

## Call for tender Large scale core street map



## Call for tender Large scale core street map

## Estimated cost >> 1020000 €

Rural : 597 Kms (41\%) Urban : 847 Kms (59\%)

## Call for tender

## Larce scale core street map

 A first estimated stage of 1853 Kms completion by January 2019Rural : 597 Kms (41\%) Urban : 847 Kms (59\%)

## Call for tender Large scale core street map

## 1794 (estimated) kms during the second stage


$\square$ 1 ère tranche 2 ème tranche


## Call for tender Large scale core street map



## Call for tender Large scale core street map

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2

## 1339 (estimated) kms during the third stage

Rural : 346 Kms (36\%) Urban : 608 Kms (64\%)
$\square$ 1 ère tranche
2 ème tranche
3 ème tranche

## Call for tender Large scale core street map



## Departmental management

## Pool and share to

 save moneyPool and share the experiments
Pool and share the cost for call for tender writing

Pool and share the production costs of the street map

Pool and share the costs of quality checks
Pool and share a dissemination platform and update the street map

## Dissemination plateform PCRS Géo Vendée LIVE



Update in real time


## Dissemination plateform PCRS Géo Vendée LIVE



# Thank you for your attention Do you have any questions? 

