DATA MANAGEMENT SNCF RESEAU



2ND INTERNATIONAL WORKSHOP ON VEGETATION MANAGEMENT

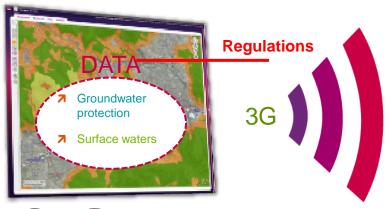
What future for herbicide?







THEORETICAL MANAGEMENT OF VEGETATION CONTROL DATA



Upload mapping regulatory data onto on-board vehicle systems







Spatial data analysis and integrate into GIS

3G







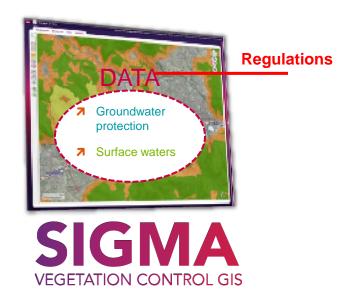
Record detailed information of different treatments undertaken **Interruption** to treatments according to the regulations in force

☑ Coordination of the actions☑ Communication to third parties



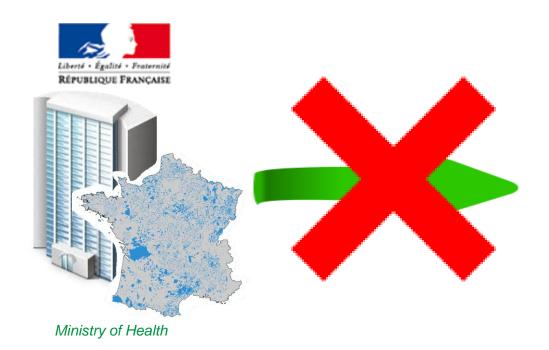
Christophe BERTHAUD WEDNESDAY 25 MAY 2016

ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA - REGULATIONS





NATIONAL GROUPING?







FINDING DATA ON CATCHMENT AREAS IS VERY SIMPLE!

1. Find competent authority



Does not exist

2. Data originating with various ADMINISTRATIVE AUTHORITIES and REGIONS



Tope et clés
Lore sectade

2 administrative regions

2 specific territorial authorities for WATER

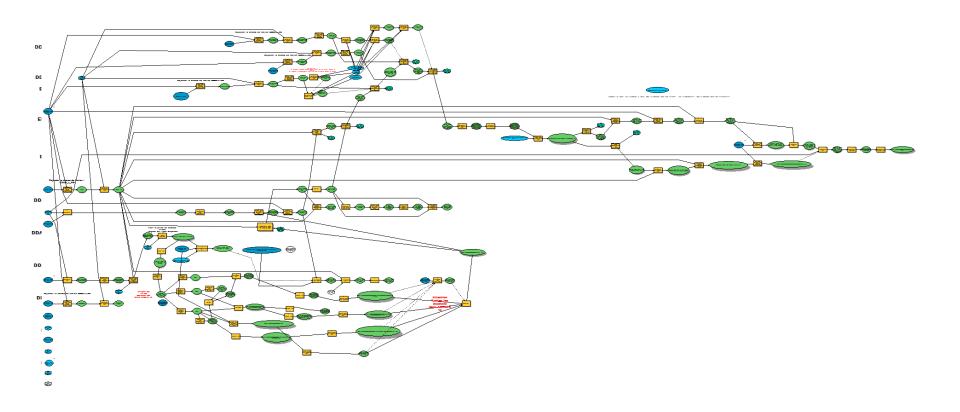


But currently we have 2 different data sets for the same sector





AGGREGATE AND STANDARDISE PPC DATA IN A SINGLE NATIONAL LAYER





COMPLEXITY OF DATA RECEIVED

Due to lack of coordination, the data received is not uniform:

Differing formats linked to the different software used



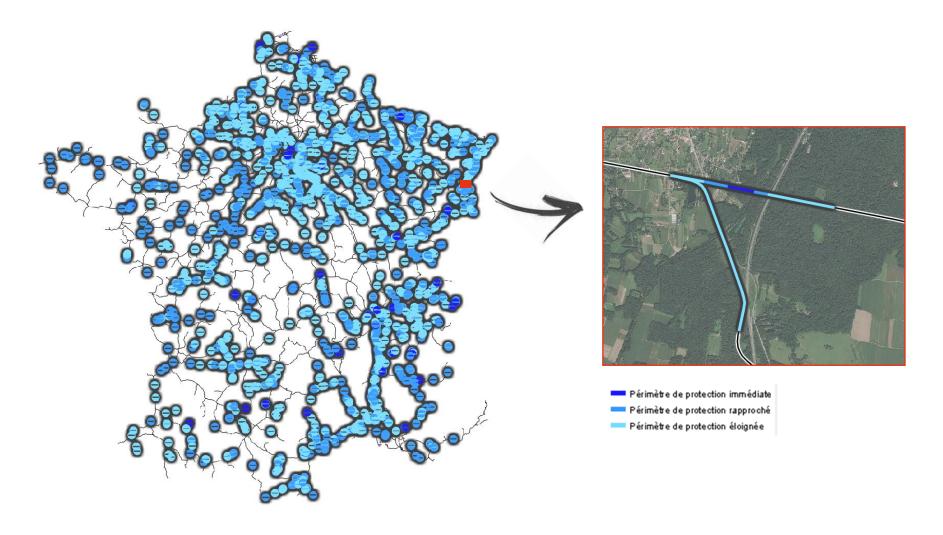
...and unusable formats (not SIG) : .pdf

- Quality not uniform
- Metadata (data about data) not always supplied
- Differing coordinate systems, etc.

→ NEED TO START AGAIN FROM SCRATCH

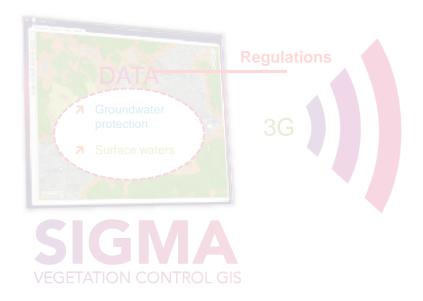


COMPLEXITY OF DATA RECEIVED





ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA – TREATMENTS AND RECORD KEEPING



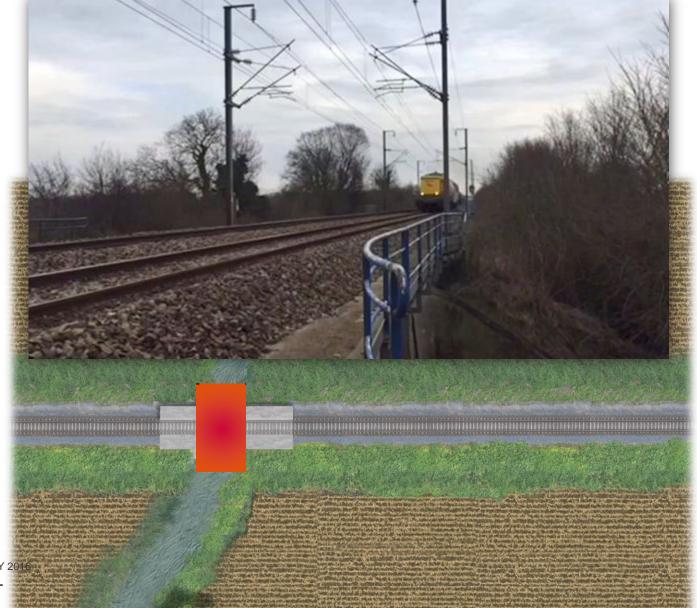
Upload mapping regulatory data to on-board vehicle systems



Record detailed information of different treatments undertaken **Interruption** to treatments according to the regulations in force



ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA – TREATMENTS AND RECORD KEEPING





ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA — PRESENTATION AND ANALYSIS OF INFORMATION (1/2)







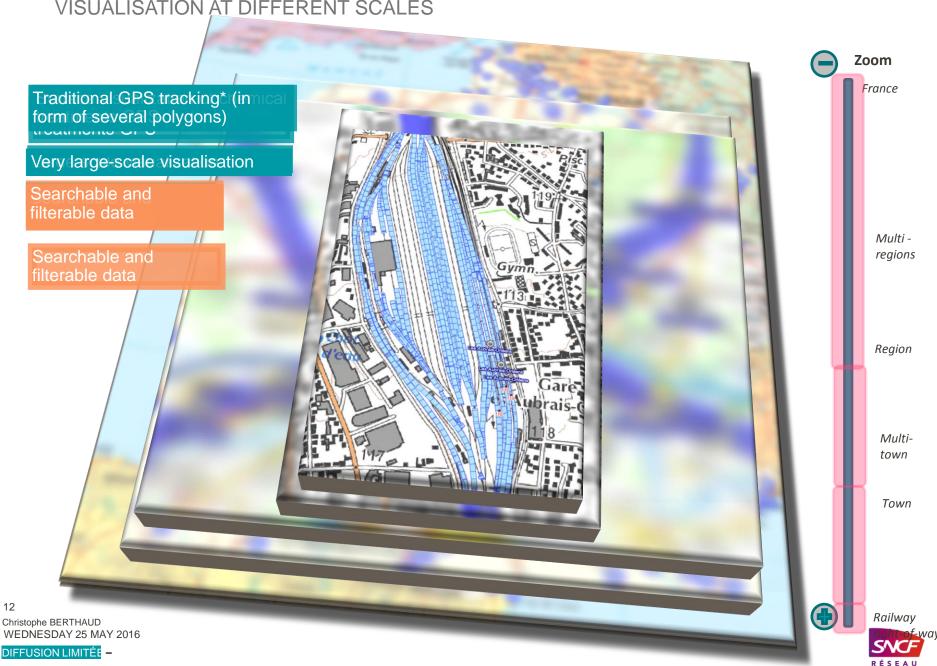
Spatial data analysis and integrate into GIS

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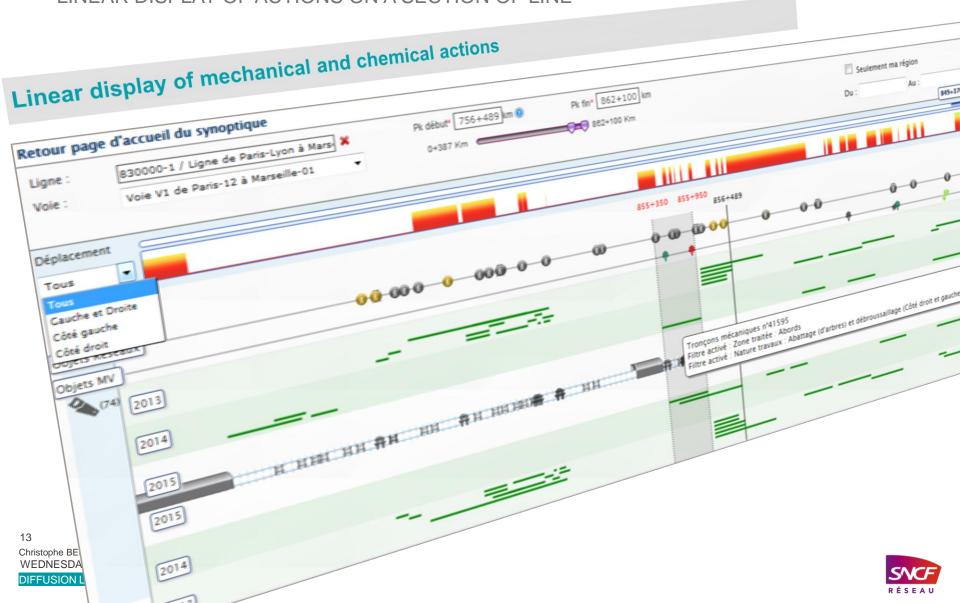


GPS CHEMICAL TREATMENT VISUALISATION AT DIFFERENT SCALES



GPS CHEMICAL TREATMENTS

LINEAR DISPLAY OF ACTIONS ON A SECTION OF LINE



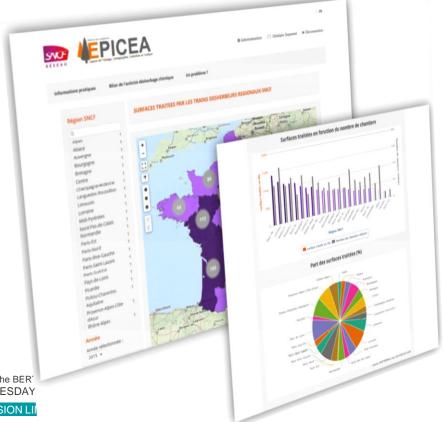
ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA — TREATMENTS AND RECORD KEEPING (2/2)





EPICEA

- + Area for monitoring and analysis of Vegetation Control
- +Themes
 - Chemical actions (TDR and Trucks, quad, gator fitted with GPS)
 - · Regulation (Perimeter of protection of catchment area)





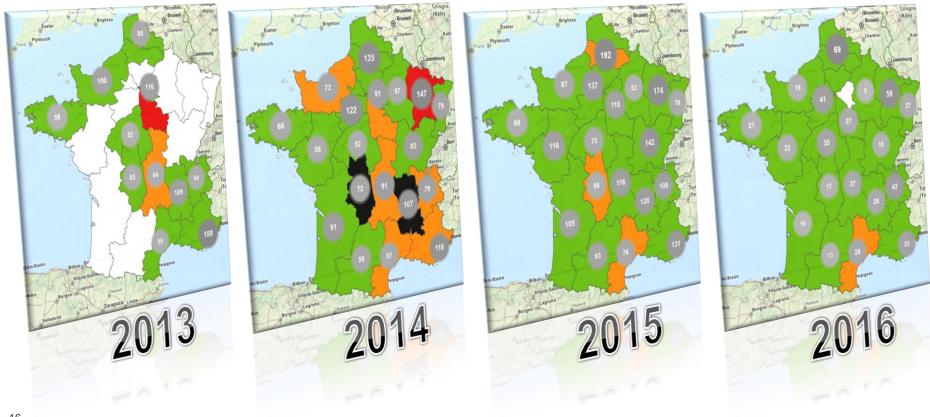
- +4 methods of disseminating information:
 - Cartographical and statistical
 - Spreadsheet
 - Main figures
 - Comparative





ACTUAL MANAGEMENT OF VEGETATION CONTROL DATA — PRESENTATION AND ANALYSIS OF INFORMATION

Example with sites which have no products entered in the SNCF regional vegetation-control trains





CONTACTS



CONTACTS

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+ Christophe BERTHAUD





THANK YOU FOR YOUR ATTENTION.

