



CONNECTING CULTURES  
ENABLING ECONOMIES

6<sup>th</sup> to 10<sup>th</sup> October 2019



UNITED ARAB EMIRATES  
MINISTRY OF INFRASTRUCTURE  
GOVERNMENT



الإمارات العربية المتحدة  
وزارة البنية التحتية  
الحكومة

# ***THE FRENCH NATIONAL ROAD OBSERVATORY***

TSTFA2 : NATIONAL & SUBNATIONAL COORDINATION

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INFRASTRUCTURES FOR MOBILITY**



# SUMMARY

- The issues
- The origins and objectives
- The method
- The results & perspectives

# THE ISSUES

- A very important road asset...  
... reporting to multiple managers

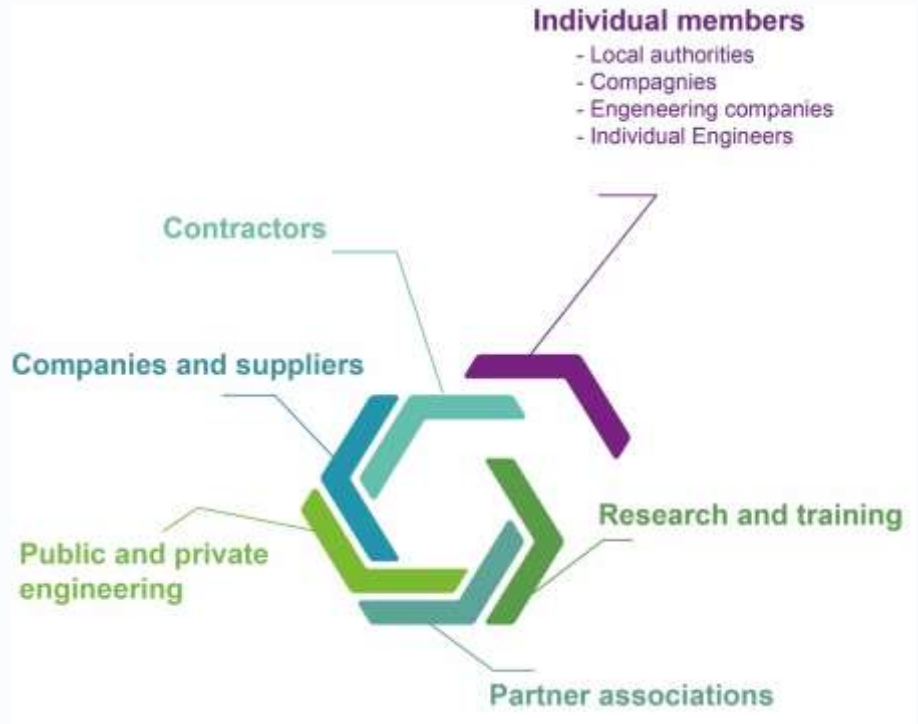
Type de réseau routier	Gestion du réseau	Nombre de Kilomètres
National	Géré par l'État via le réseau des Directions Interdépartementales des Routes (DIR)	12 000 km
Départemental	101 départements	377 000 km <sup>4</sup>
Communal et intercommunal	1200 intercommunalités et plus de 30 000 communes	673 000 km

- Maintenance of an ageing road network
- In a constrained financial context

# IDRRIM\*'S MISSIONS

## \* *Institute for Roads, Streets and Infrastructures for Mobility*

- Gathering all actors of infrastructures
- Ensure dialog between
  - *Public / Private*
  - *National / Local*
- 4 main axes of work, including
  - *Infrastructures asset management*



# THE PROJECT'S ORIGINS

## A tool for a strategy : Develop road asset management

2014 – Alerting policy-makers :

- Publication of White Paper « *Maintaining and preserving transport infrastructures assets : a requirement for France* »

2016 – Decision to develop a measurement tool :

- Creation of the National Road Observatory

# CREATION

**Signature on 26 January 2016, gathering around IDRRIM :**

- The Ministry in charge of Transport
- Associations representing local authorities (counties, intercommunalities)
- Professional organizations in the sector : road works (Routes de France) and structures maintenance (STRRES)



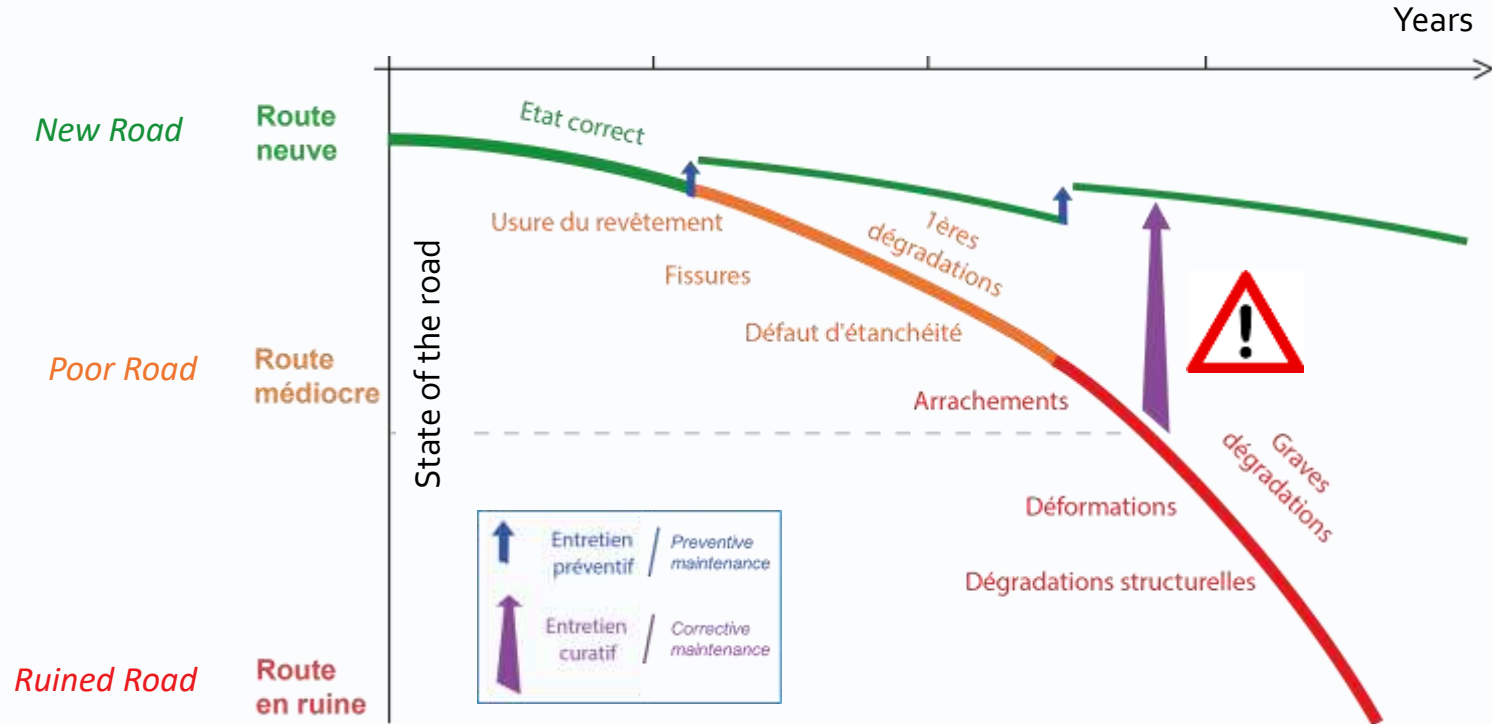
# OBJECTIVES

## ➤ **Two strategic objectives :**

- Sharing the knowledge to evaluate the technical politics' efficacy for an economic management of roads infrastructure
- Objectify the state of road network in order to inform authorities on how optimize the efficiency of road management

## ➤ **This observatory will also permit to assess the correlation between the state of assets and the overall expenditure devoted each year to the maintenance and operation of the road network**

# AVOID OR REDUCE THE « HIDDEN DEBT »





# A SHARED PUBLIC/PRIVATE ISSUE

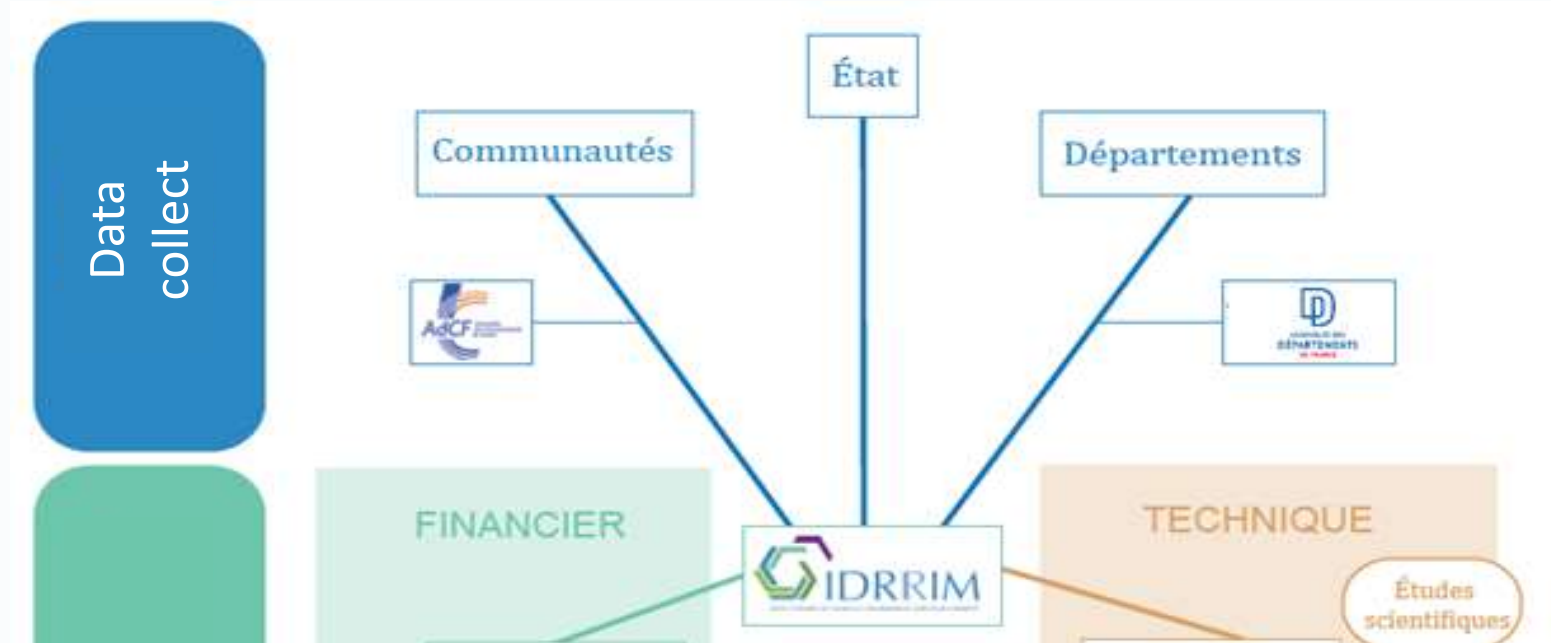
## ➤ For public actors :

- ✓ Detailed knowledge of the financial costs of personnel and work
- ✓ Provide updated reference data to compare and benchmark
- ✓ Optimize network maintenance scheduling

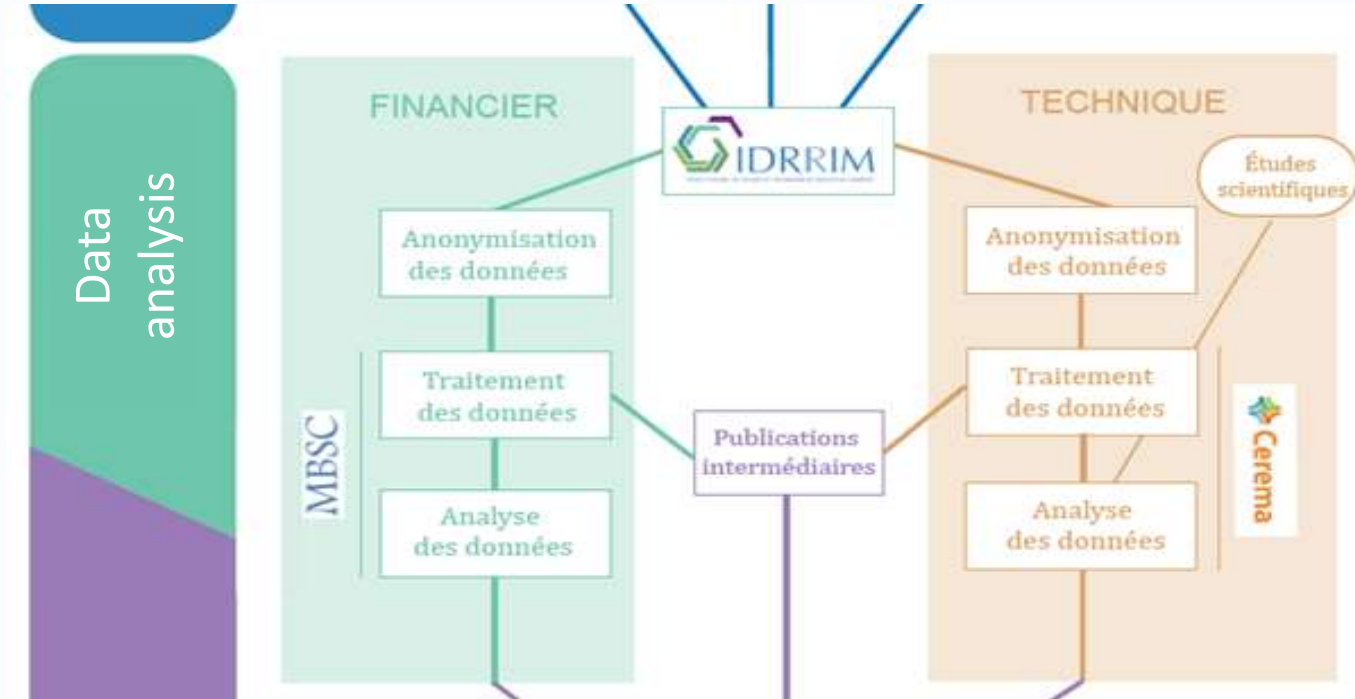
## ➤ For private sectors :

- ✓ Knowledge of the condition of the road network, managers' expenses and methods (investment/operation)
- ✓ Anticipation of the workload plan
- ✓ Adapt the offer to the needs
- ✓ Adaptation of industrial tools to the needs of managers

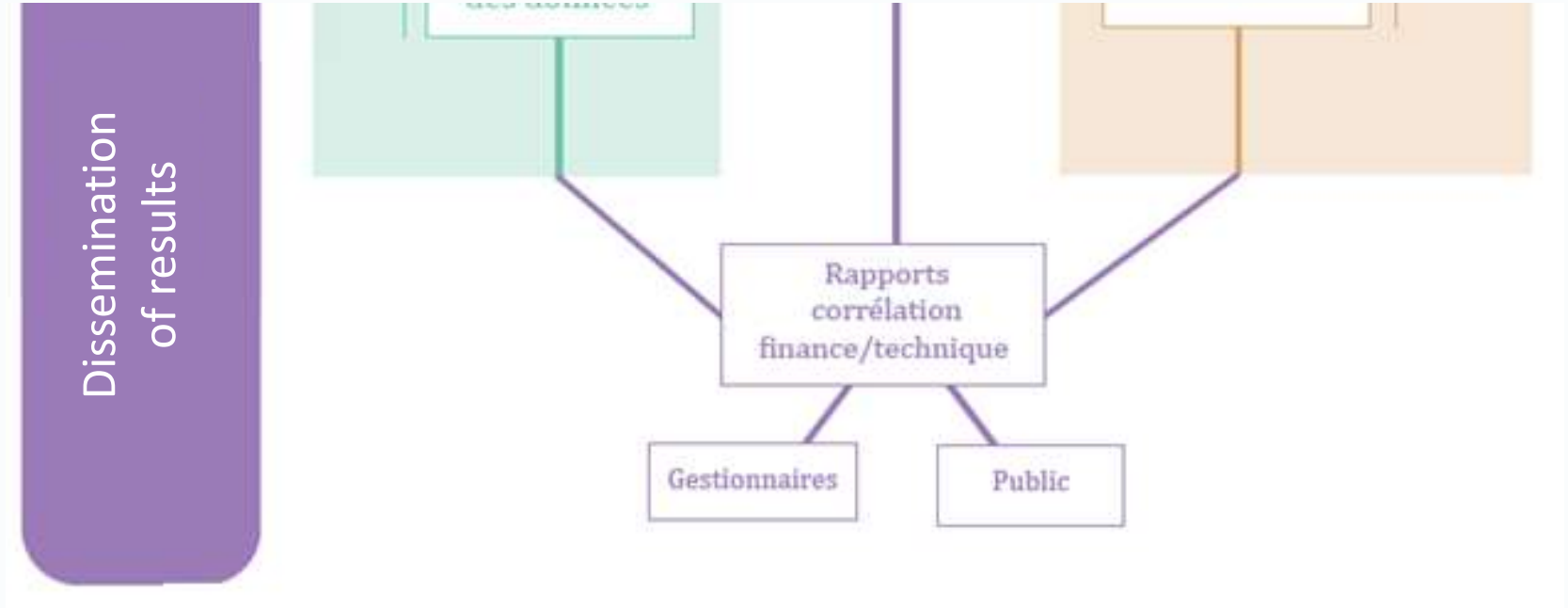
# THE METHOD (1/3)



# THE METHOD (2/3)



# THE METHOD (3/3)



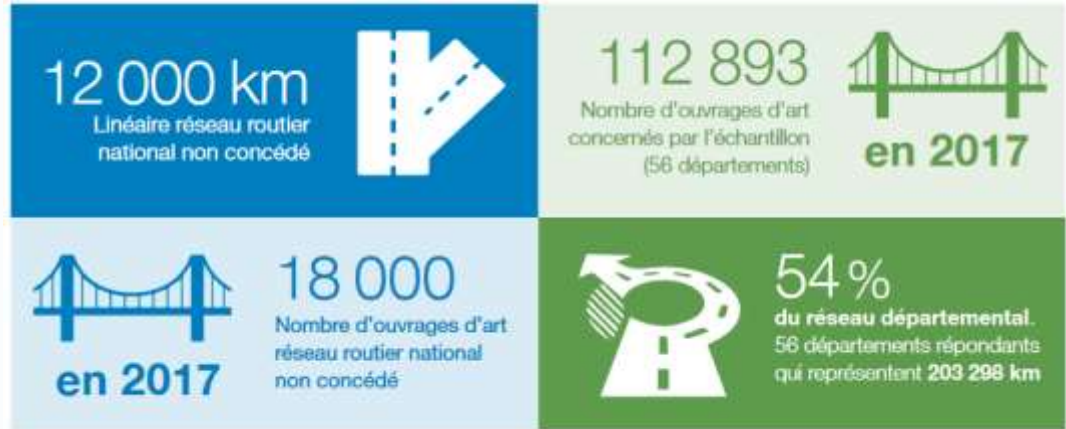
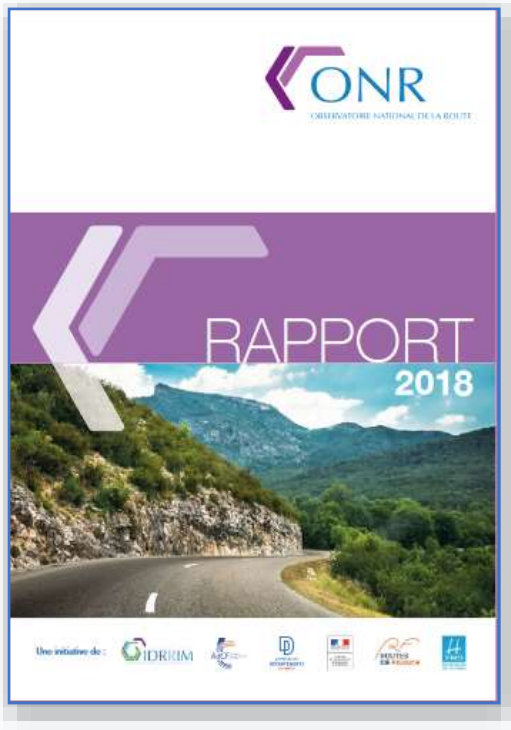
# ACHIEVE A CORRELATION BETWEEN TECHNICAL AND FINANCIAL DATA

Ultimately and gradually, **determine the link between :**

- **Asset maintenance policy**
- **Changes in the state of assets**
- **The evolution of expenditure devoted to its maintenance**

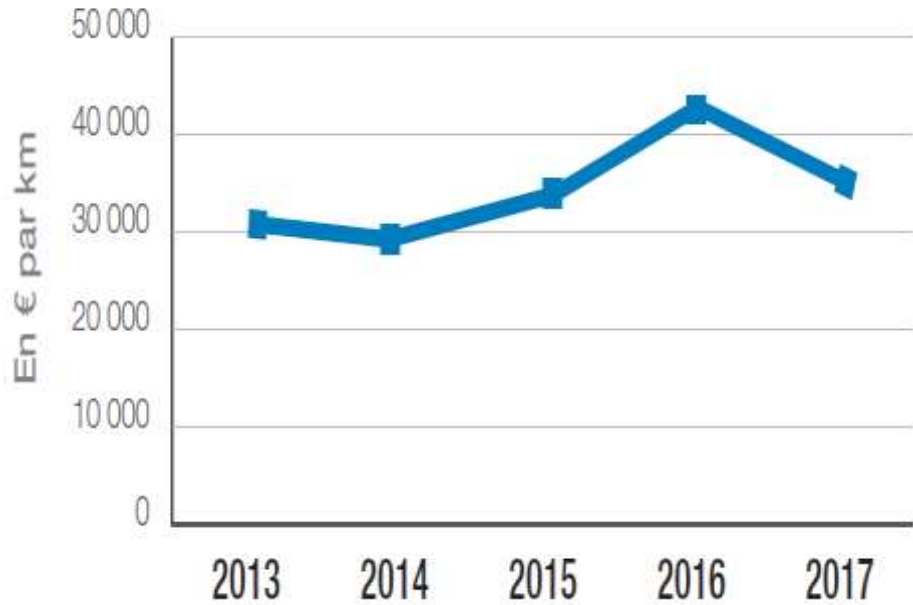
Taking into account traffic, climate, structures, technics, etc.

# RESULTS : 2<sup>ND</sup> REPORT IN 2018

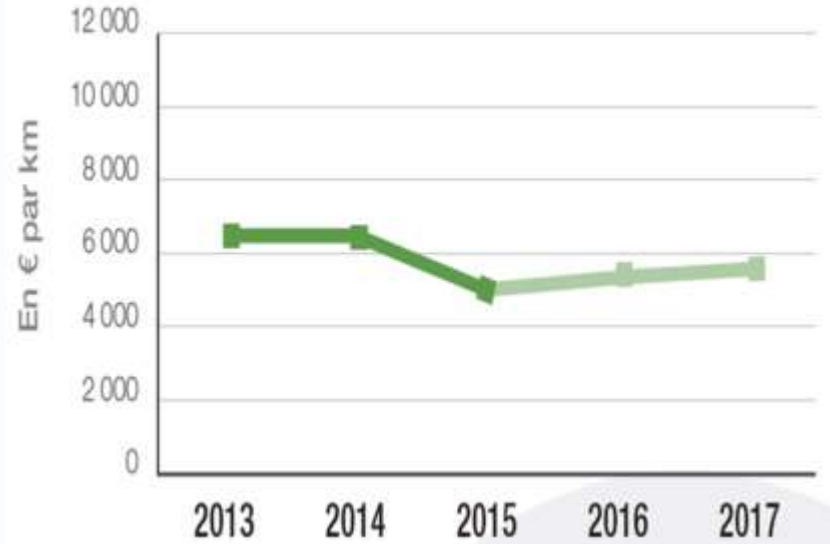


# EVOLUTION OF CURRENT INVESTMENT EXPENDITURE (EXCLUDING MAJOR PROJECTS)

➤ State



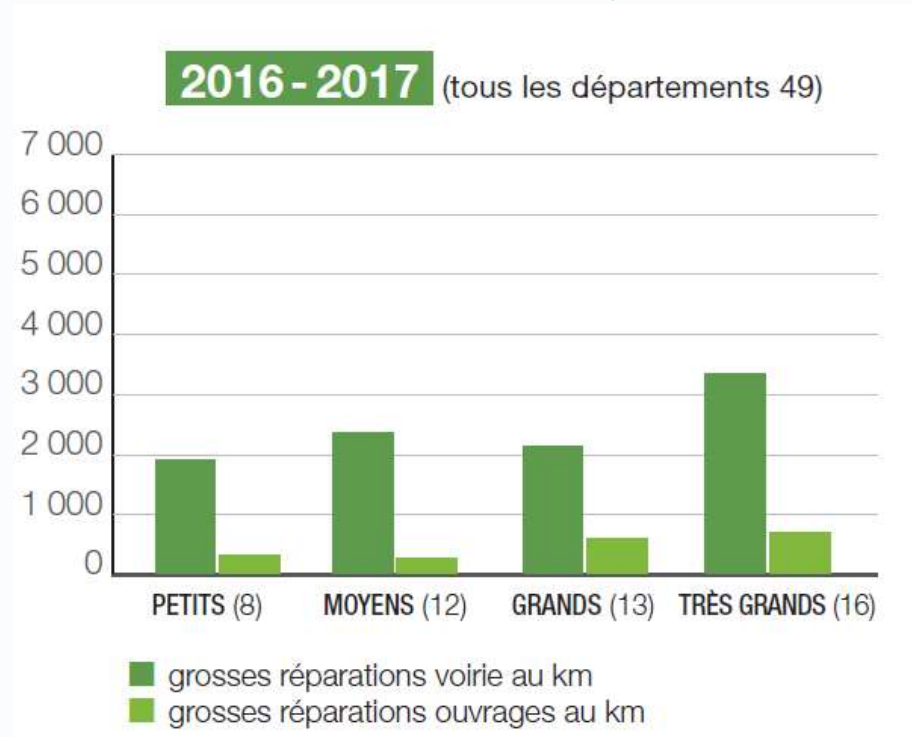
➤ Counties



- 34 départements
- 49 départements

# REPAIR WORKS FOR ROADS AND STRUCTURES

➤ Counties (in € per km)





# ROAD : STATE OF ASSETS (2017)

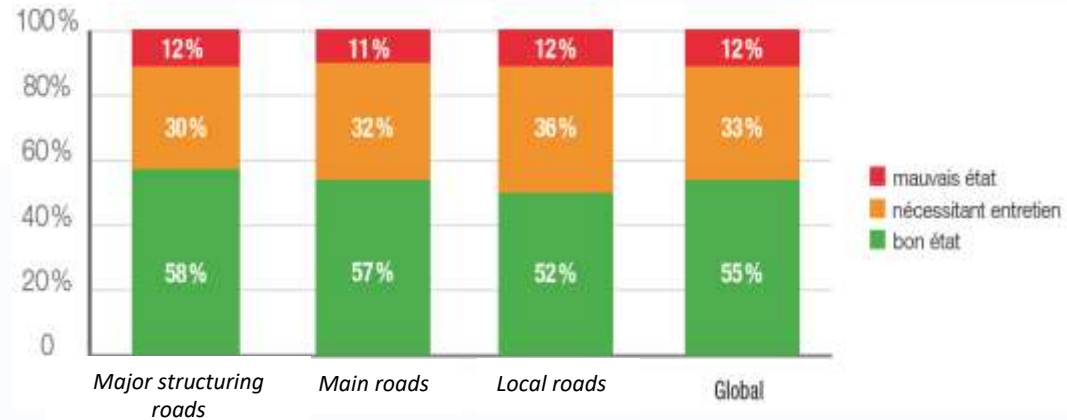
## ➤ State (National Road)



- *Bad condition*
- *Requiring maintenance*
- *Good condition*

## ➤ Counties

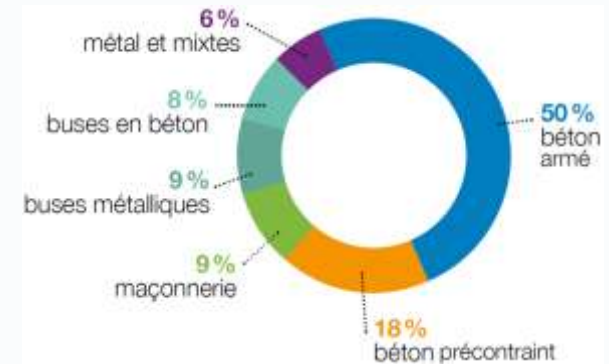
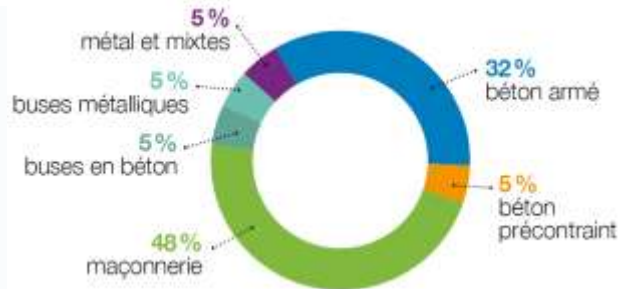
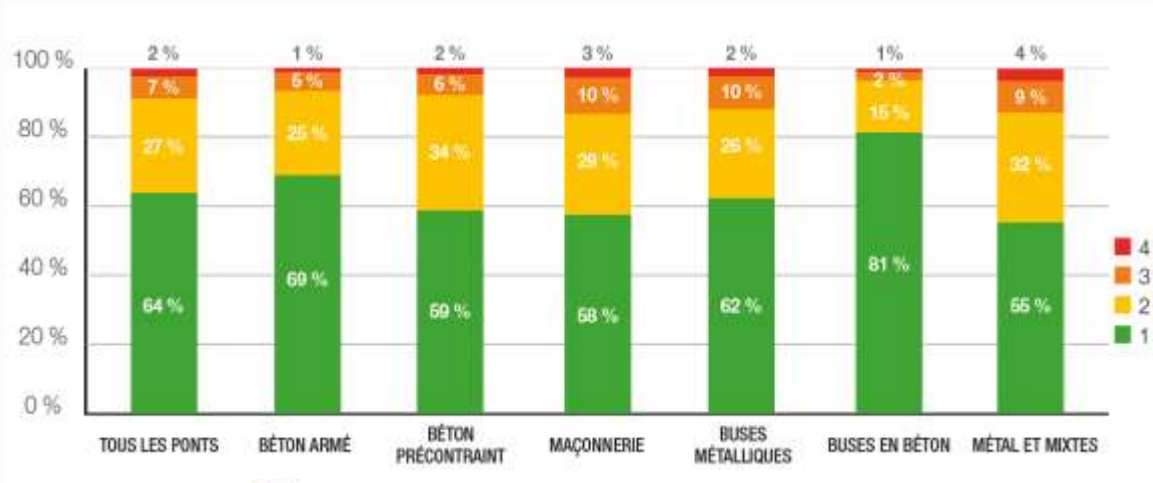
(17 to 25 counties / 73 792 km)



# BRIDGES : GLOBAL STATE & PER STRUCTURE FAMILY (2017)

➤ Counties (43 counties / 41 694 bridges)

➤ State (National Road)



# THE USE OF THE OBSERVATORY BY ROADS MANAGERS

- **Develop knowledge of the assets**
- **Establish an annual global vision of their policy**
- **Benchmark themselves and reinterviewing their practices**
- **Build an asset management of the infrastructures**
  - Adaptation of actions to the challenges : means, technics, priorities
  - Long-term vision

# AN INNOVATIVE APPROACH

➤ Share the experiences



# WORK IN PROGRESS

- **Place ONR's action in the long term by :**
  - ✓ Annualizing the report
  - ✓ Building a data historic
  
- **Increase the participation :**
  - ✓ Number
  - ✓ Type of actors (metropolitan and intercommunalities)
  - ✓ Data's quality
  
- **Build a correlation between the state of assets and the expenditure devoted each year**
  
- **Evaluate the “Hidden debt”**

1 **DOWNLOAD**   
THE ADWRC APP

2 **FIND**   
MY PRESENTATION

3 **RATE**   
MY PRESENTATION

4 **SHARE**   
YOUR FEEDBACK



**AVAILABLE NOW**  
ABU DHABI WORLD ROAD CONGRESS APP



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