MIVISU REFERENCES IN FRANCE
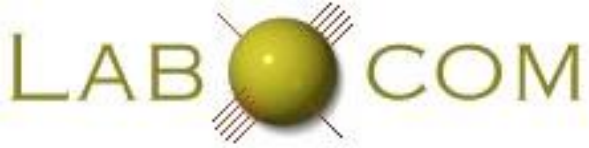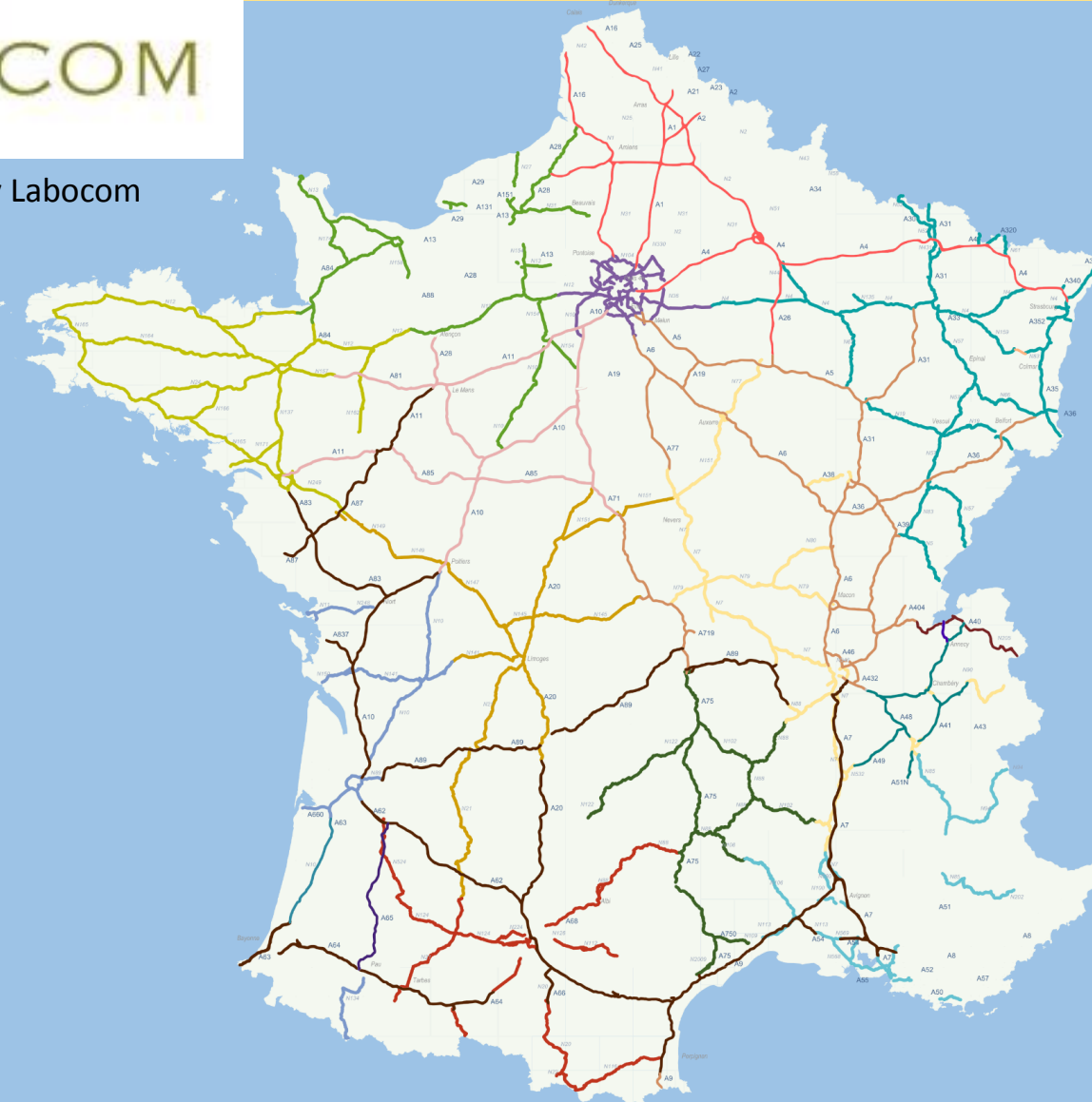
➢3,500 counting stations

➢492 weather stations

➢2,000 VMS

➢120 Bluetooth sensors

➢1,700 magnetometers

# ASF- Autoroutes du Sud de la France

The ASF Network:

- **2,325 km** of highways

- 1 million vehicules/day

- 558 counting stations

- 75 VMS controled by MIVISU

- 12 Automats

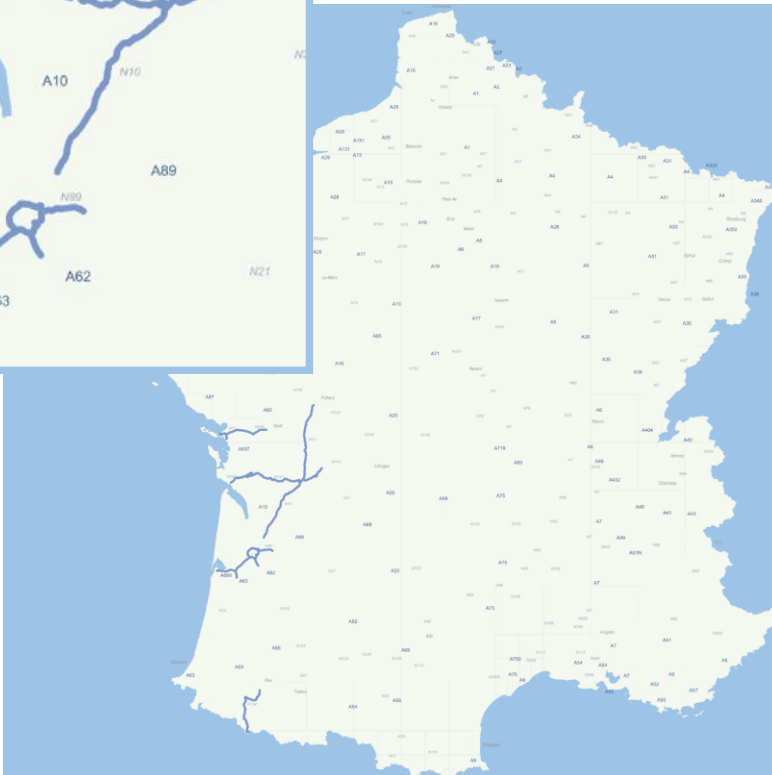- 1,583 parking magnetometers

MIVISU Instances:

- MIVISU Traffic counting
- MIVISU Dynamic equipment
- MIVISU Free Truck Parking Place
- MIVISU Wrong-way detection

MIVISU Applications:

- **Real time traffic couting** for the entire network

- Management of the **Truck Parking places**

- **VMS Monitoring**

- Automatic **wrong-way detection**

- **Instantaneous speed regulation**: MIVISU detects the too fast driving vehicles and display a regulation message on VMS. This application concerns 75 VMS.

- **Winter regulation access:** MIVISU controles access automats (barriers and size regulation barriers) for winter to regulate traffic flows
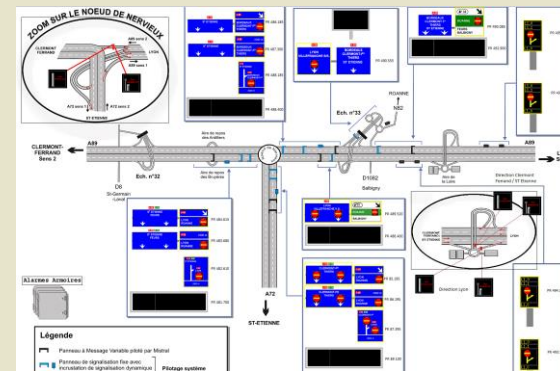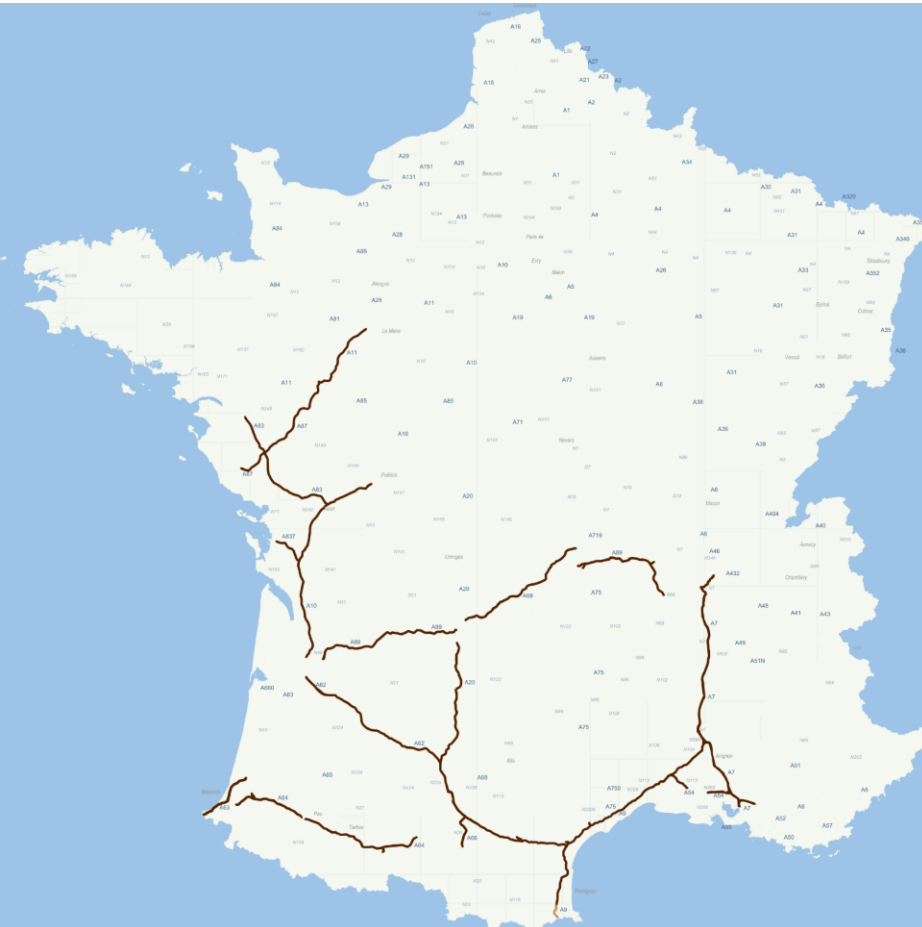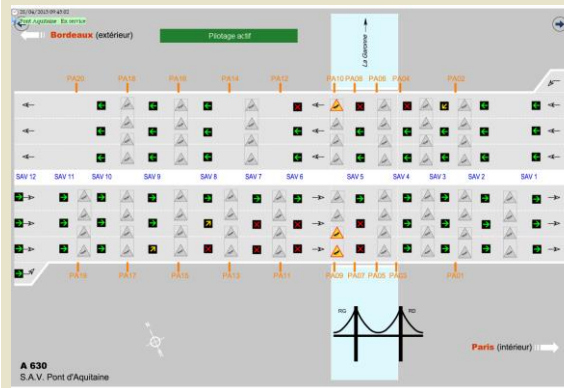
DIR ATLANTIQUE ALIENOR

The ALIENOR Network:

➤ Bordeaux Ring Road:
45km

➤ Aquitaine bridge:
1,767m

➤ Inter-urban roads:
770km

➤ 130 counting stations

➤ 102 dynamic equipment

MIVISU Instances:

- MIVISU Traffic counting
- MIVISU Dynamic equipment
- MIVISU Aquitaine bridge

MIVISU Applications:

- Traffic counting for **real time** and **differe**d time

- **VMS automatic monitoring**

- Management of the **Bordeaux Ring Road**

- **Management of the Aquitaine Bridge**:
  automatic **access regulation**

ATLANDES A63

The ATLANDES Network:

- ➤ 104km of highway

- ➤ 34,000 vehicules/day

- ➤ 12 truck parkings

- ➤ 1,200 truck parking places

- ➤ 36 counting stations

MIVISU Instances:

- MIVISU Traffic counting
- MIVISU PCADC 3
- MIVISU Free Truck parking places
- MIVISU Journey times
- MIVISU Wrong-way detection

MIVISU Applications:

- Traffic counting for **real time**

- **Data analysis and storage**

- Management of **Truck Parking places**

- Calculation of **journey time**

- **Automatic wrong-way detection**
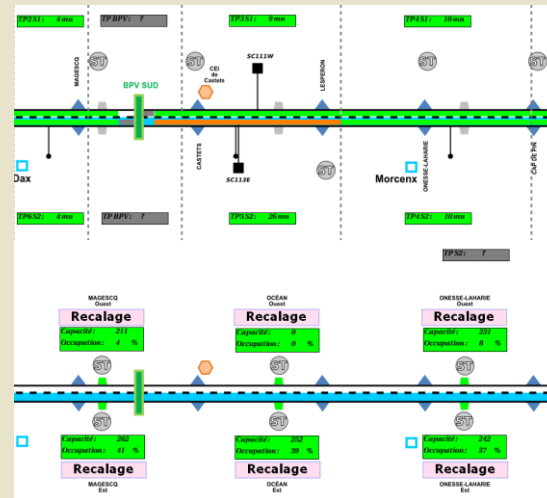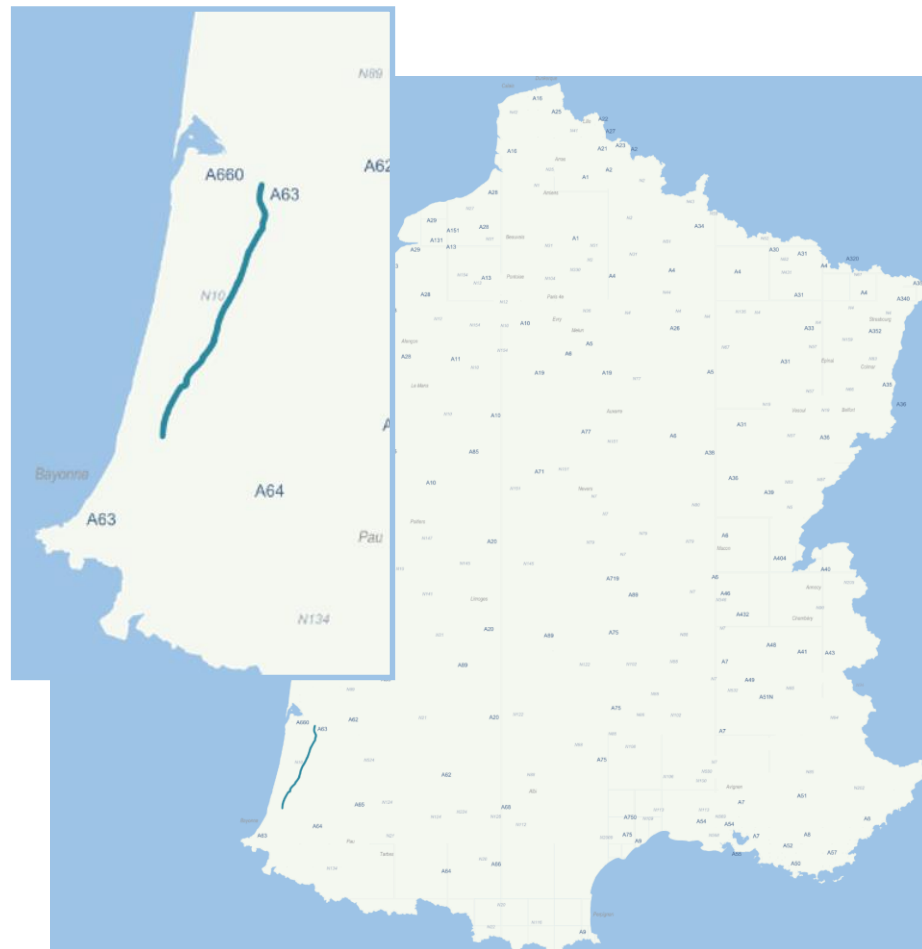
APRR AREA

The APRR AREA Network:

➢ 2,263km of highways

➢ 349 counting stations

➢ 79 VMS

➢ 250 weather stations

➢ 4 truck parkings

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU Meteorology
- MIVISU Truck parking
- MIVISU PCADC 3

MIVISU Applications:

- Traffic counting for **real time and differed time**

- **data analysis and storage**

- **Weather data collection** in real time and analysis

- **VMS monitoring**

- Management of **Truck Parking Places**
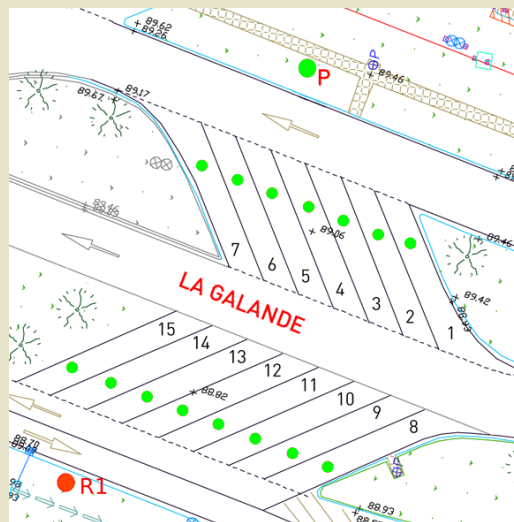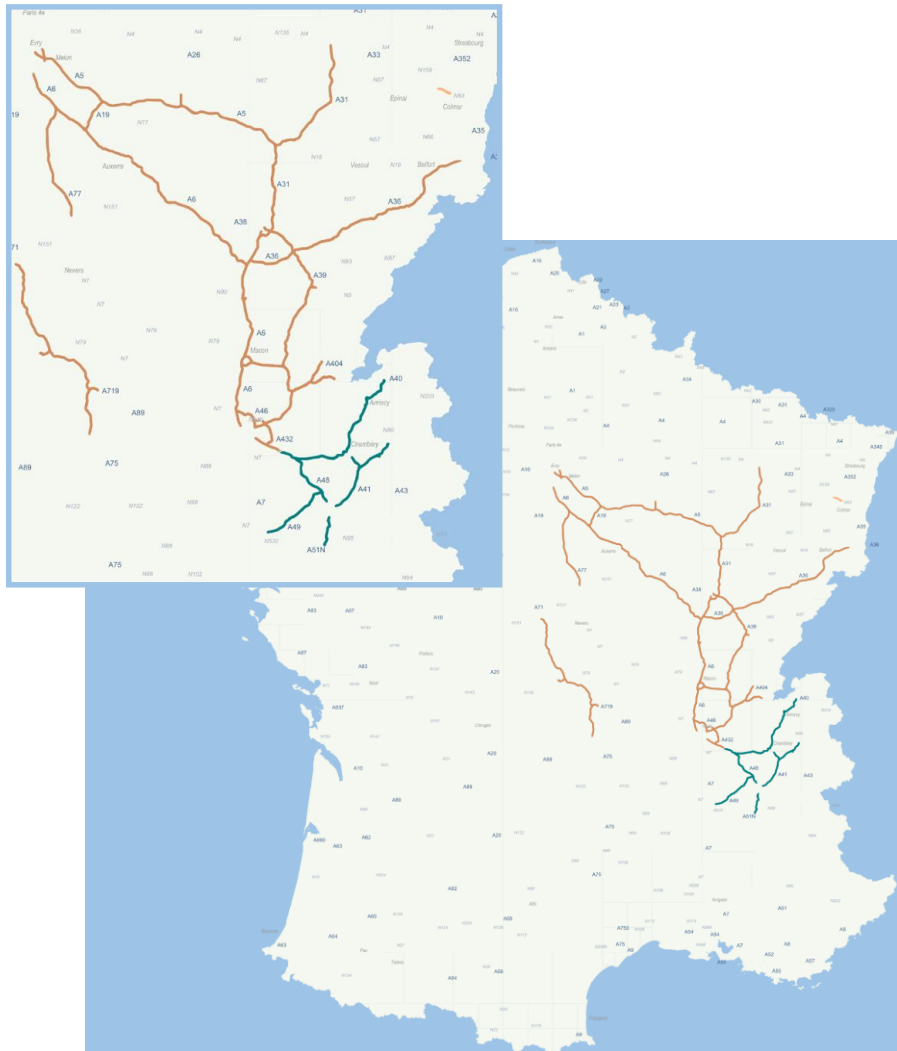
COFIROUTE

The COFIROUTE Network:

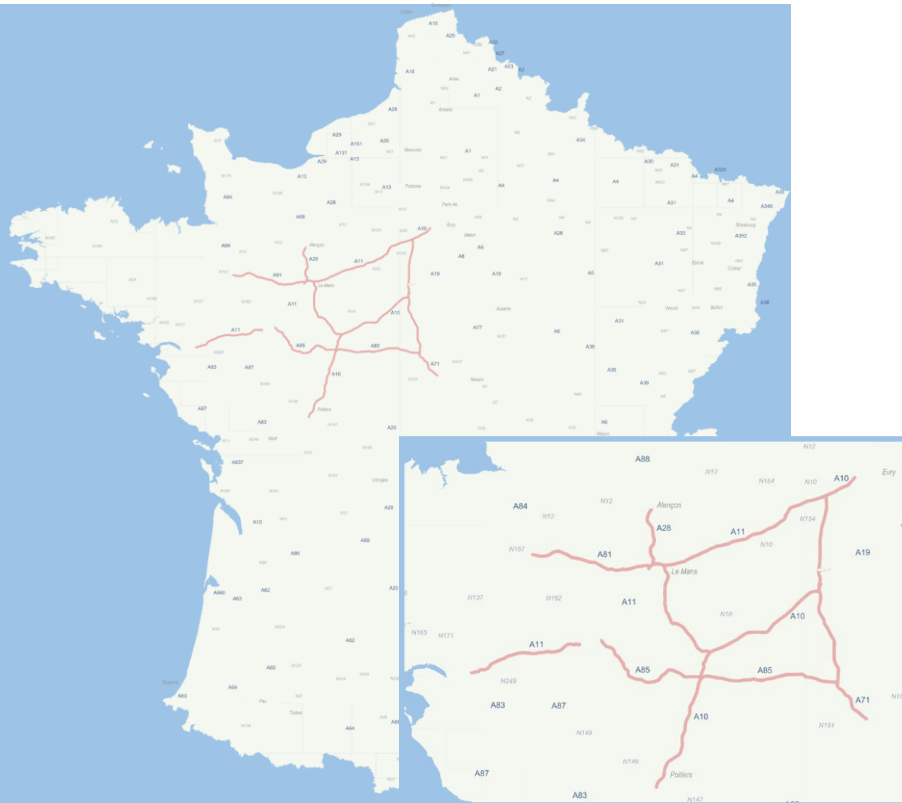- ➢ 1,211km of highways

- ➢ 338,000 vehicules per day

- ➢ 283 VMS

- ➢ 150 counting stations

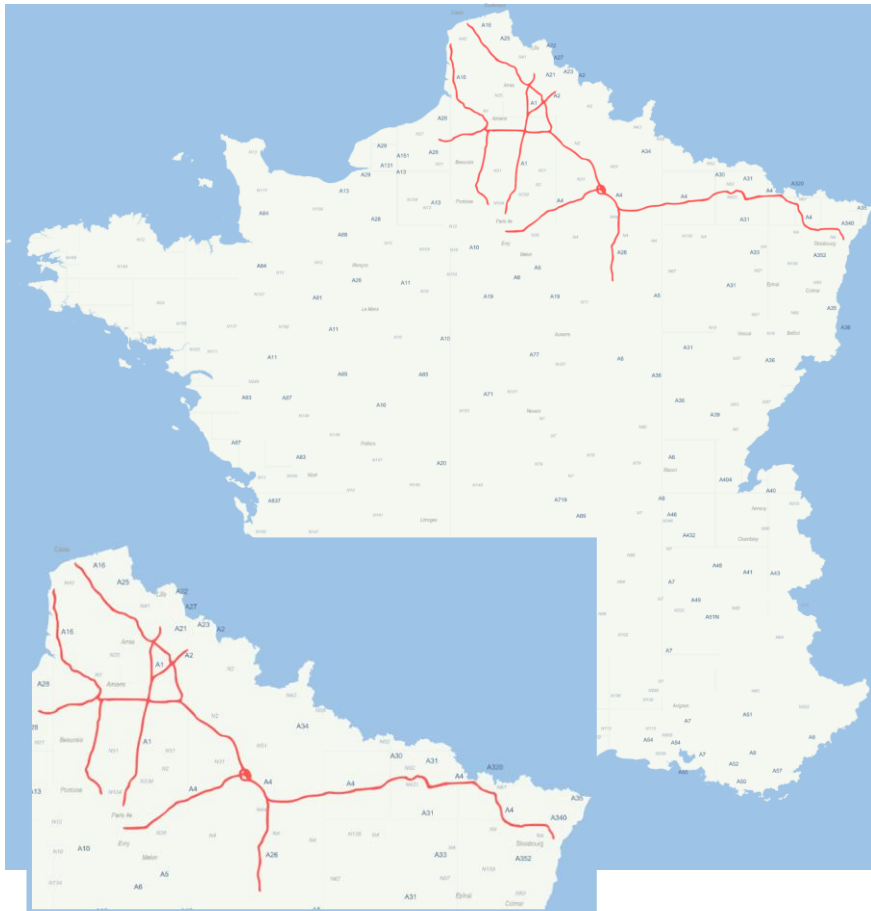- ➢ 89 weather stations

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU Meteorology
- MIVISU Traffic Jam

MIVISU Applications:

- Traffic counting for **real time**

- **Speed regulation**

- **Weather data collection** in real time and analysis

- **VMS monitoring**
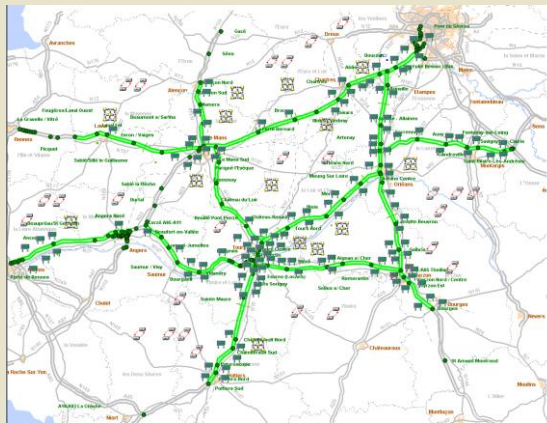
SANEF

The SANEF Network:

➢ 1,902km of highways

➢ 72 resting areas

➢ 150 counting stations, with 80 bluetooth sensors

➢ 250 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU Bluetooth
- MIVISU Journey times

MIVISU Applications:

- Traffic counting for **real time,** with **individual data**

- **Calculationation and diffusion of journey times**

- **VMS monitoring**
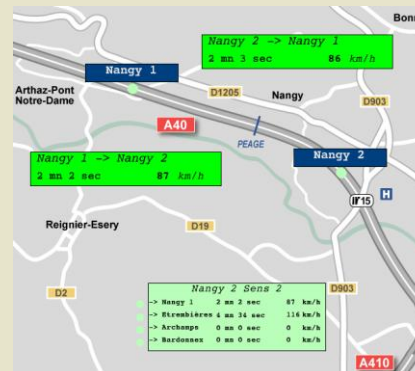
ATMB

The ATMB Network:

- 110km of highway

- Mont Blanc Tunnel

- 20,000 vehicules/day

- Bluetooth sensors

- 40 counting stations

- 75 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU Bluetooth journey times

MIVISU Applications:

- Traffic counting

- **VMS monitoring**

- Production of **journey times**

DIR MEDITERRANNEE

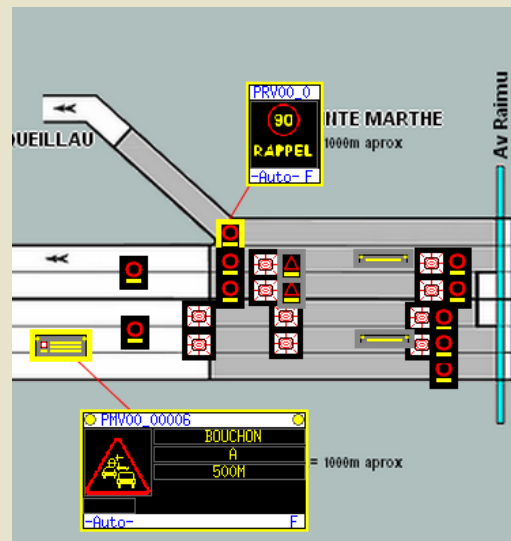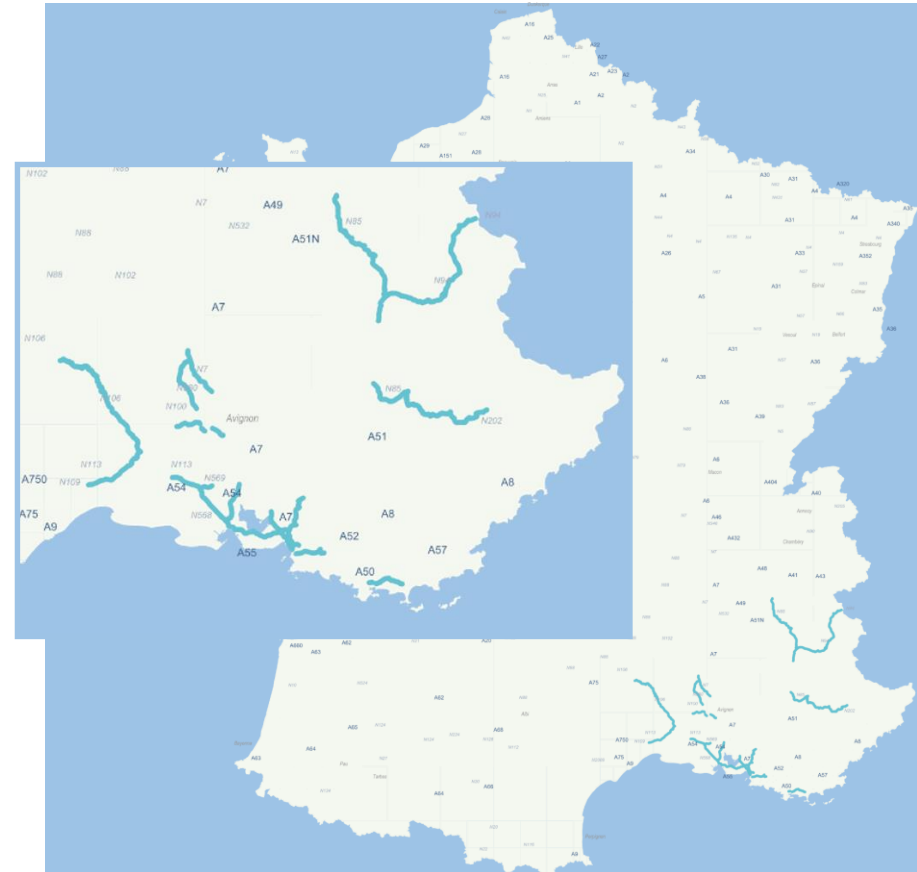

The DIR MEDITERRANNE Network:

- 3 control centers: Gap, Nîmes and Toulon

- 750km of roads

- 270 counting stations

-

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC 3

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **data analysis and storage**

- **VMS monitoring**

- **Traffic lights** monitoring

DIR CENTRE EST

The DIR MEDITERRANNE Network:

- 1,232km of roads

- 5 control centers

- 120 counting stations

- 87 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC 3
- MIVISU ModBus

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **data analysis and storage**

- **VMS monitoring**

- **Access regulation**

DIR EST

The DIR EST Network:

- 1,650km of roads

- 3 control center

- 171 counting stations

- More than 100 VMS

- 41 weather stations

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC 3
- MIVISU Meteorology

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **data analysis and storage**

- Real time **weather data** collection and analysis

- **VMS monitoring**

- **Access regulation**
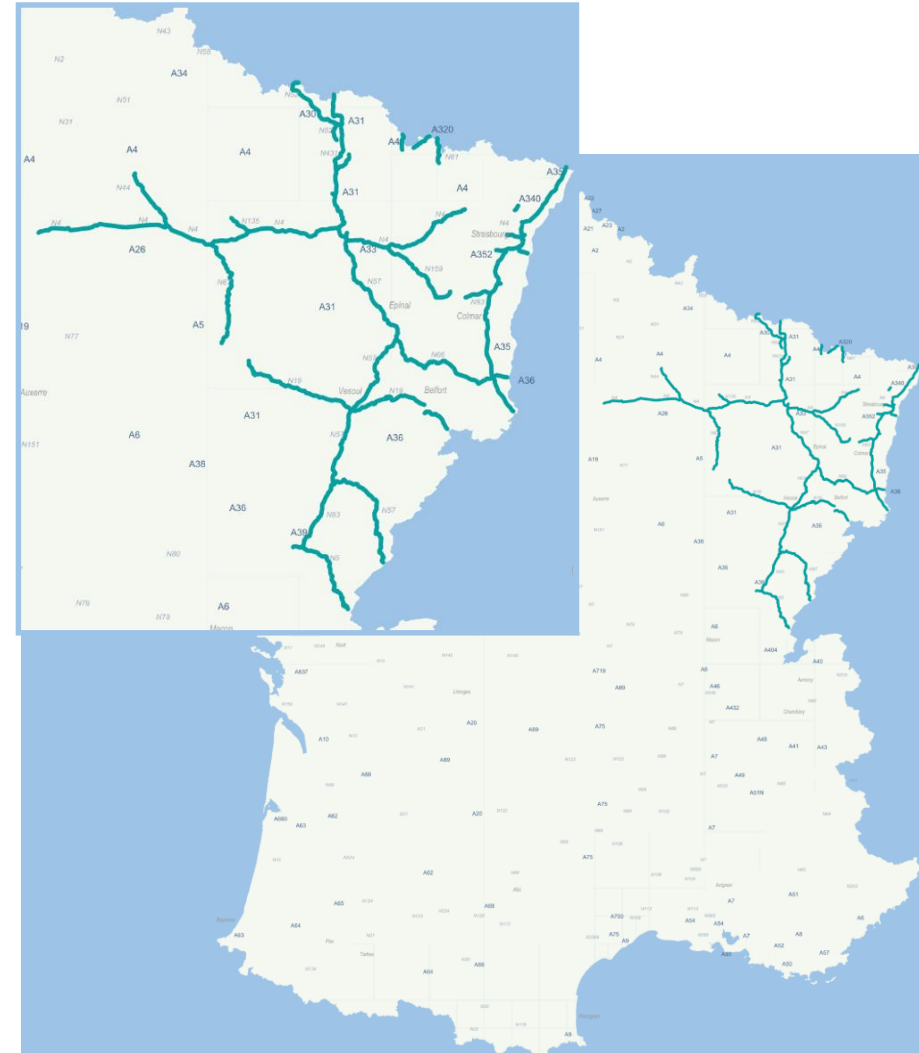
DIR NORD OUEST

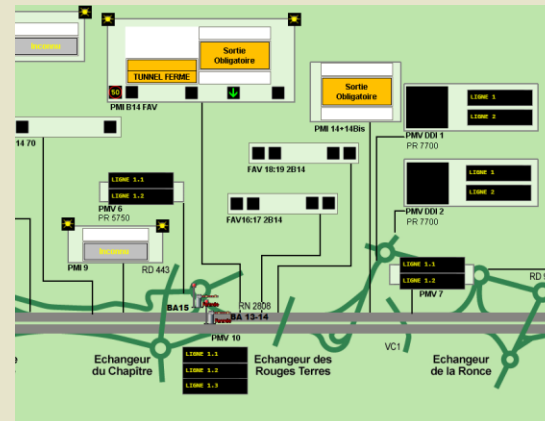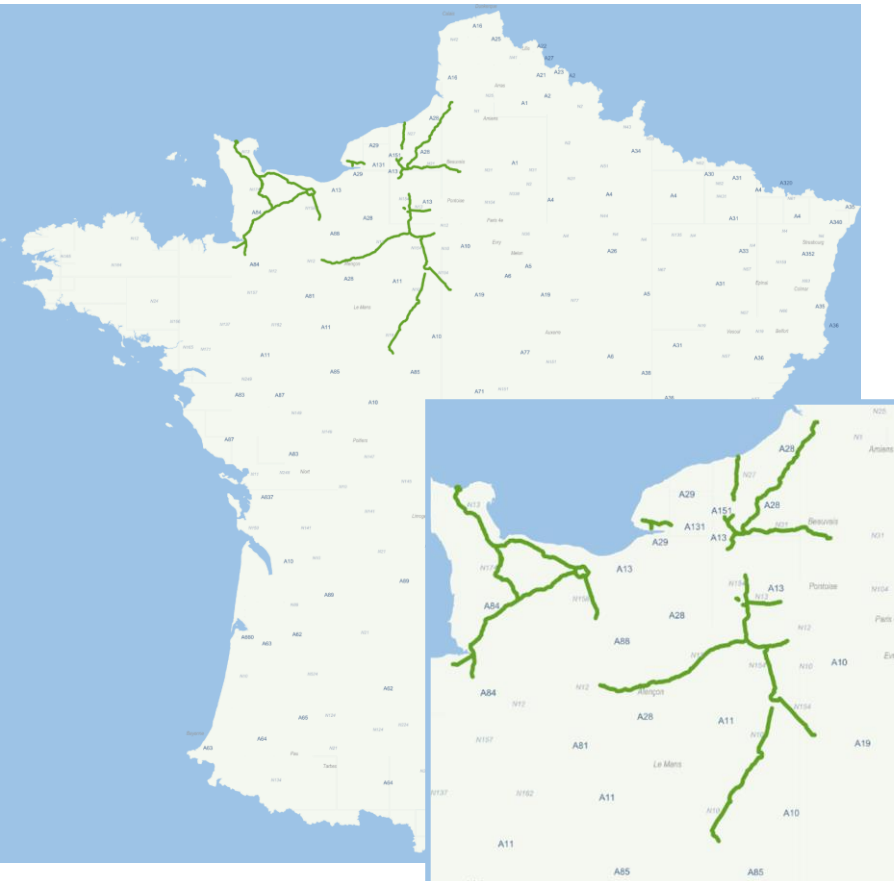## The DIR NORD OUEST Network:

- 1,070km of roads

- Caen Ring Road

- Grand Mare Tunnel

- 100 counting stations

- More than 76 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC 3
- MIVISU Journey Times

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **data analysis and storage**

- **Journey Time** management

- **VMS monitoring**

- **Tunnel management,** with access regulation

DIR Ile de France

The DIR Ile de France Network:

- 790km of roads

- 4 Million vehicules/day

- 22 tunnels

- 6,000 counting stations

- 302 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU Journey Times
- MIVISU PCADC3

MIVISU Applications:

- Traffic counting in **real time**

- **Data analysis and storage**

- **VMS monitoring**

- **Access monitoring**
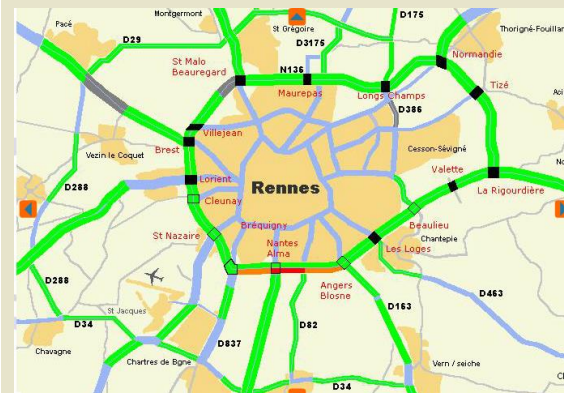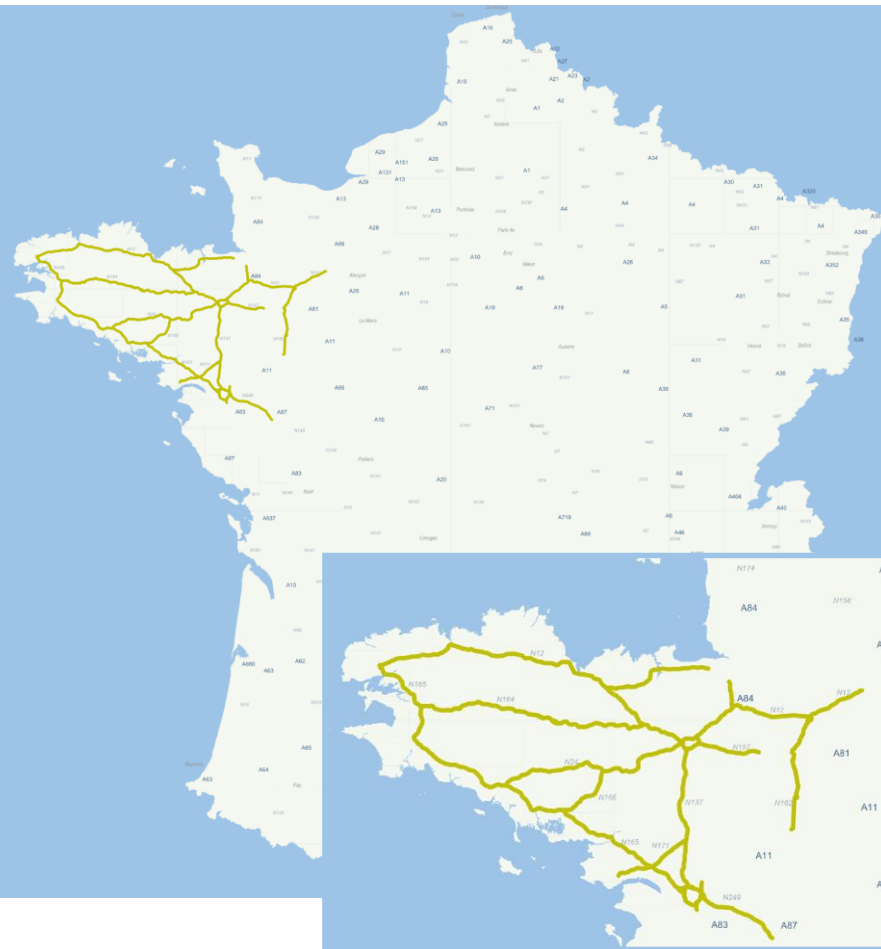
DIR OUEST

The DIR OUEST Network:

- 1,520km of roads

- 4 CIGT

- 65 resting areas

- 239 counting stations

- 101 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC3

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **Data analysis and storage**

- **VMS monitoring**

DIR MASSIF CENTRAL
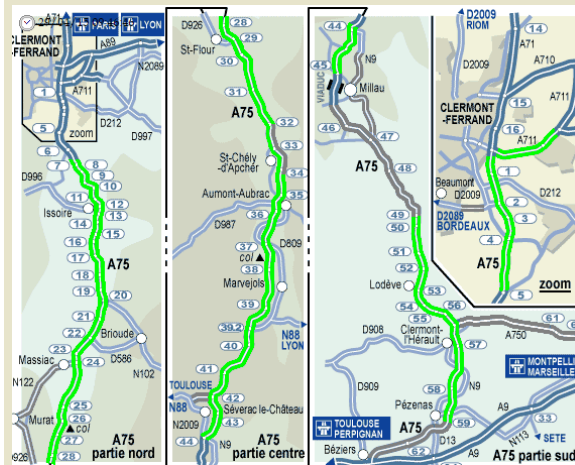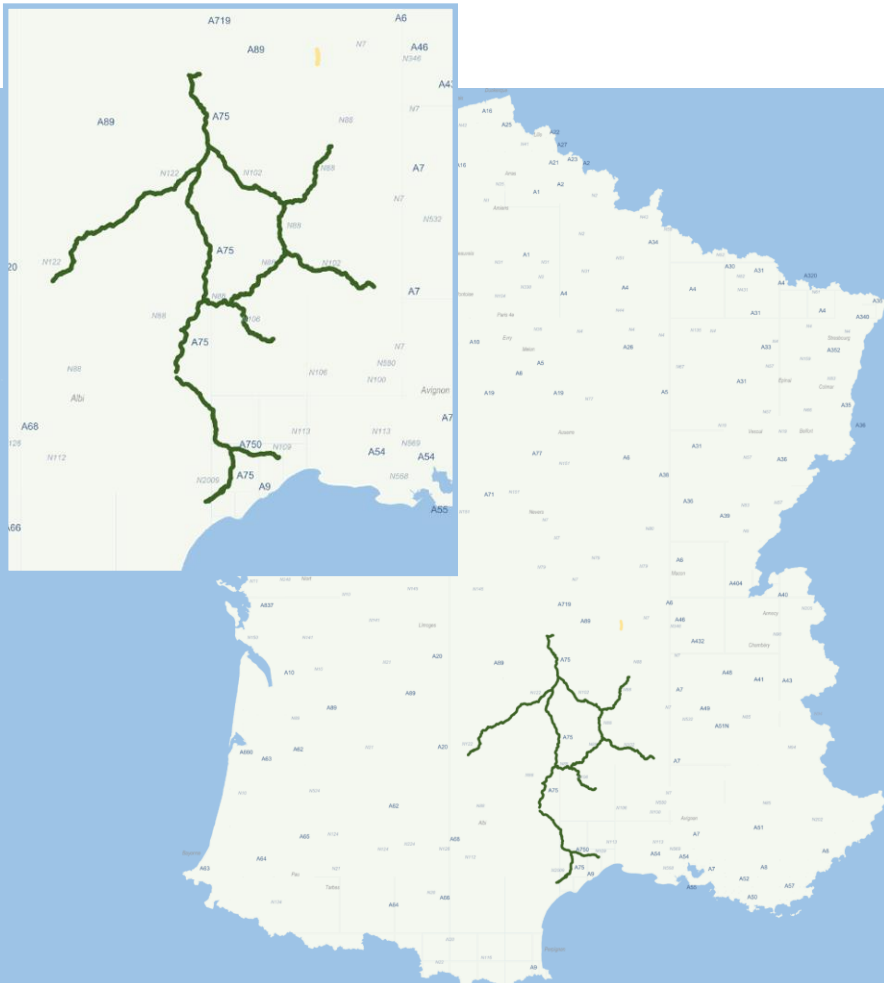
The DIR Massif Central Network:

- 908km of roads

- 2 CIGT

- 100 counting stations

- 4 weather stations

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Meteorology
- MIVISU PCADC3

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **Data analysis and storage**

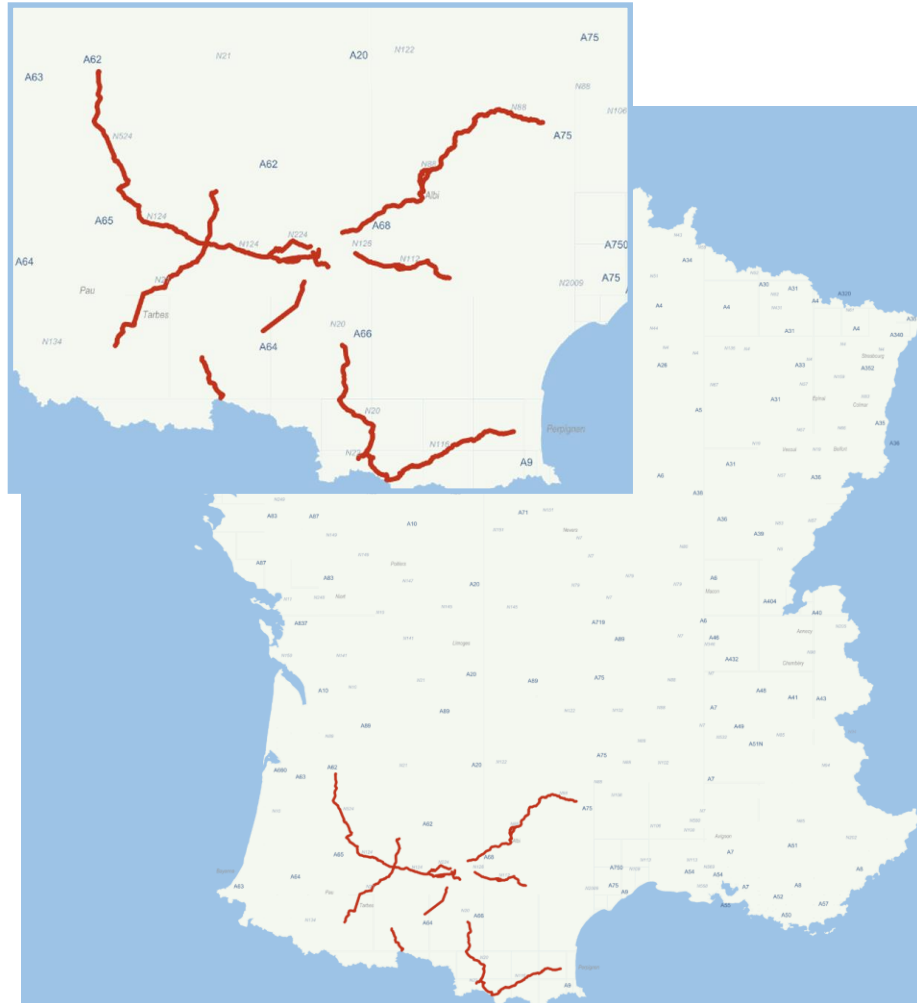- **Weather management:** weather data collection and analysis

DIR SUD OUEST

The DIR Sud Ouest Network:

- 939km of roads

- 2 CIGT

- 125 counting stations

- 30 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Dynamic equipment
- MIVISU PCADC3

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **Data analysis and storage**

- **VMS monitoring**

DIR CENTRE OUEST

The DIR Centre Ouest Network:

- 1,140km of roads

- 50 counting stations

- 21 weather stations

- 40 VMS

MIVISU Instances:

- MIVISU traffic counting
- MIVISU Meteorology
- MIVISU Dynamic equipment
- MIVISU PCADC3

MIVISU Applications:

- Traffic counting in **real time** and **differed time**

- **Data analysis and storage**

- **VMS monitoring**

- **Weather management:** weather data collection and analysis