



# PIARC Webinar

## COVID-19

28 October, 2020

# Welcome!

# Our speakers today

- **Patrick Malléjacq**
  - Secretary General, PIARC
- **Emmanuelle Frénéat**
  - Egis Road Operation, Managing Director
- **Dominique Verlaine**
  - Belgium, Inspector General, Public Service of Wallonia, infrastructure mobility, Department of Infrastructure Operations
- **Djan Fanny**
  - Côte d'Ivoire, Expert Transport Economist, Road Management Agency
- **Mohamed Laye**
  - Senegal, Head of the Division of Major Road Works, AGEROUTE
  - Member of Committee 1.1 - Performance of Transport Administrations
- **Pascal Rossigny**
  - France, CEREMA
  - French-speaking Secretary of Committee 3.3 – Asset Management

# Participation in the webinar



Your camera and microphone must remain switched off.



You can ask questions in the chat room. At the end of all presentations, Pascal Rossigny will ask questions to the speakers.



It is only possible to answer a limited number of questions due to the large number of participants.



Tip: Close the discussion window to see the full presentations.



# Introduction to the Webinar

**Patrick Malléjacq**

Secretary General, PIARC

**#PIARCCOVID19**



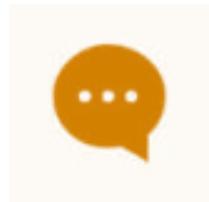
# Basic rules for zoom online meetings



There will be presentations so **be sure to access from a device that allows you to see visuals** (i.e. a laptop or ipad)



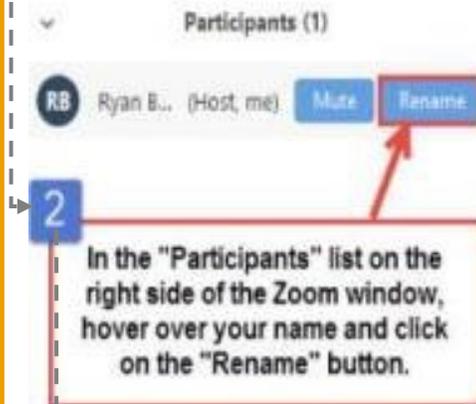
Please **mute yourselves and keep the video off** during the presentations **to avoid background noises and connection overload**



**Use the chat functionality and ask questions at any time.** We will collect them and direct them during the Q&A session

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To change your name after entering a Zoom meeting, click on the "Participants" button at the top of the Zoom window.



In the "Participants" list on the right side of the Zoom window, hover over your name and click on the "Rename" button.

Next, hover your mouse over your name in the "Participants" list on the right side of the Zoom window. Click on "Rename".

Enter the formula Name, Surname (Country) and click on **"OK"**.



# How to ask a question, raise an issue, or share a practice?

- **This is strongly encouraged!**
- **Use the Zoom "Chat" function (bottom right of the main window).**  
⇒ Send a message to "All participants" (this is one of the "Chat" options)
- **Note: only questions specific to roads or road transport**
- This channel is monitored by Pascal Rossigny
- He will direct questions to the relevant speakers.

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# About your name in Zoom

- **We recommend that participants accurately name themselves in the Zoom application:**
  - First Name Last Name Country
- This fosters interaction between participants

# Webinar Registration

This seminar is currently being recorded and will be made public on PIARC's website and on the YouTube channel.



# Key concept: Focusing on the short term

The world is going through a crisis and every day counts.

This is knowledge and practice that is not yet confirmed as valid or effective.

A good idea now can save lives, improve business resilience and could minimize disruption of service.



Urgently share knowledge and practices among PIARC member countries to provide support in near real-time.

What works in one country may not work in another, but it can inspire you.

**Note:** PIARC is also working on the medium and long term, when the pandemic will be in a manageable state and under control.

# Disclaimer of liability

Since time is of the essence, it is likely that knowledge and practice that is shared will not have been officially approved by each country's official authorities.

**“The ideas and examples shared here are for illustration only. They do not necessarily represent official policy. Ideas presented will be subject to further evaluation and use in deriving recommendations on policy and practice in due course. While care has been taken in the preparation of this material, no responsibility is accepted for any damage that may be caused.”**

# Our speakers today

- **Patrick Malléjacq**
  - Secretary General, PIARC
- **Emmanuelle Frénéat**
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- **Dominique Verlaine**
  - Belgium, Inspector General, Public Service of Wallonia, infrastructure mobility, Department of Infrastructure Operations
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# Agenda of the meeting

- **Brief introduction to PIARC**
- **Our work to date**
  
- **Panelists' Presentations**
- **Questions & Answers**
  
- **Conclusion and Next Steps**



# Institutional presentation

## PIARC

### Our work to date

**Patrick Malléjacq**

Secretary General, PIARC

#PIARCCOVID19



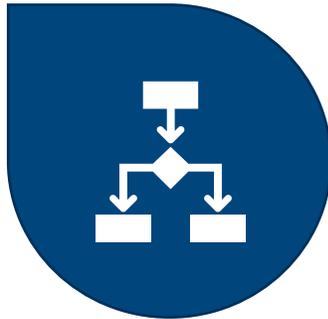
# What is PIARC?

- **PIARC is the new name of the World Road Association**
- We were **founded in 1909** as a non-profit, non-political association.
- **Our aim is to organise the exchange of knowledge on all matters related to roads and road transport.**
- We have **124 member governments**, as well as regions, groups/companies and individuals.
- It is the **first global forum for the exchange of knowledge**, policy and practice on roads and road transport.



# PIARC's four key missions

- Be a **leading international forum for the analysis and discussion of** the whole spectrum of transport issues related to roads and road transport.
- Identify, develop and disseminate **best practices** and **provide better access to international information.**



- Take full account in its activities of the needs of **developing countries and countries in transition.**
- Design, produce and promote **effective tools for decision-making** on matters related to roads and road transport.

The Association mobilises the experience and knowledge of 1,200 experts from more than 80 countries in 22 Technical Committees and Task Forces.

# Key issues on COVID-19 and roads



Ensuring as far as possible the health and safety of employees and road users



Responding to the impact on transport



Maintaining relationships and collaboration with customers, users and other stakeholders



Maintain activity and continuity of service



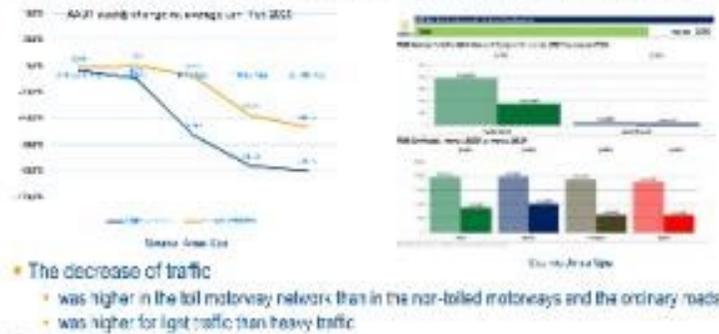
Managing the impacts on the economy and supply chains; recovering the economy after the crisis



Security (including cyber security)

# More than twenty webinars... ... in English, French and Spanish

## Covid-19 Phase 0 – Economic consequences for a NRA



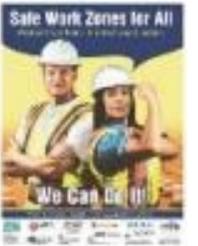
## Freight & Logistics

- On site, main concerns are
  - Drivers health and food
  - Employees health and safety (O&M is Egis Exploitation Aquitaine, 100 people)
  - Maintain area clean and secure
  - Service provider economic sustainability (limited turnover) – 4 service stations (total approx. 100 employees)



## 1. Ensuring employees health and safety

- Primary concern for contractors and their Professional Associations (PA)
- In many countries, recommendations were published regarding appropriate safety measures to be adopted by contractors
- Often drawn up jointly by government and PAs
- Either general or specific (e.g. in France, road contractors, pipe-layers,...)
- Also differences urban/rural environment, building/infrastructure
- PAs have organized training sessions (mainly aimed at SMEs), pilot jobsites



## COVID-19 & roads in Paraguay



## The road transport situation

- Generalisation of electronic toll collection on motorways and limitation of the loading of toll cards on line
- Prohibition of inter-city travel without highly justified authorization
- Abolition of collective means of transport except for taxis with only one passenger per taxi
- Limitation of vehicular movements in the residential area except for justified professional necessity



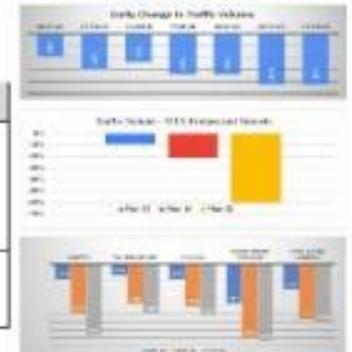
## RECOVERY



## COVID-19 Transportation Impacts: New York City

Summary of Transportation Trends since March 2020

Mode	Percent Change in Mid-March
Road Traffic	-80% (down)
Ferries	-91% (down)
Public Transit	-80% (down)
• Buses	-80% (down)
• Subway	-80% (down)
Taxis	-31% (down)
• Yellow Taxi	-31% (down)
• Long Island Rail Road	-67% (down)



# Many of PIARC Partner Organisations have agreed to join our Webinars as panelists



Global dialogue  
for better  
transport



International Road Federation  
Fédération Routière Internationale  
Federación Internacional de Carreteras



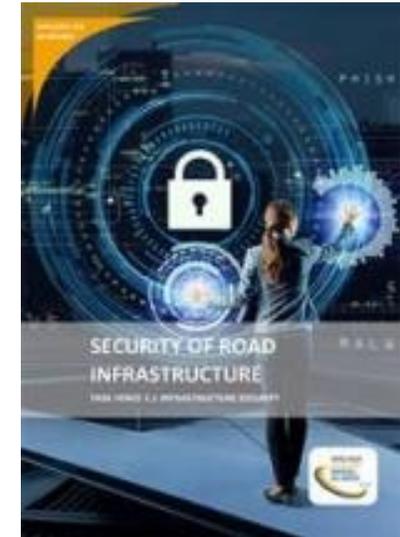
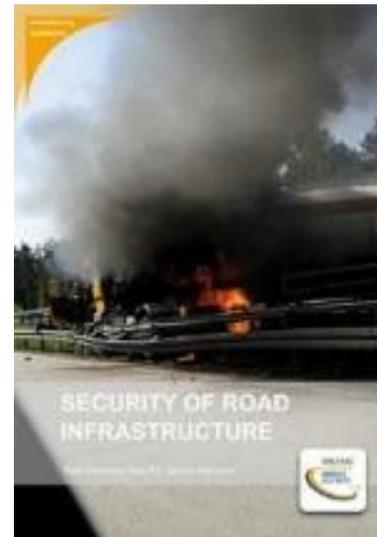
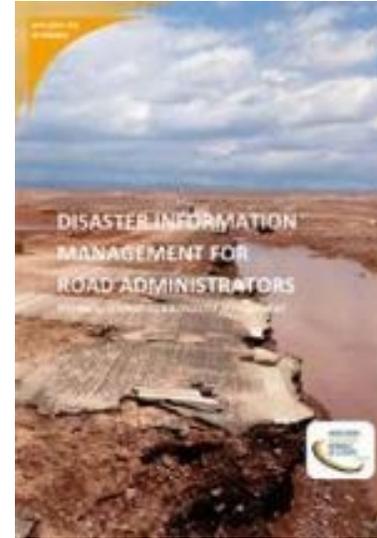
- In addition to many panelists from the network of PIARC members

# PIARC COVID-19 website

<https://www.piarc.org/en/News-Agenda-PIARC/Coronavirus-PIARC-and-Covid-19>

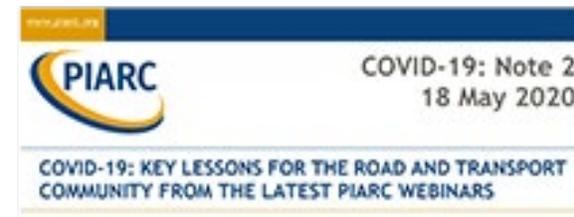


- Recordings of 20+ webinars held on "COVID-19 and roads".
  - Including lively and informative Q&A sessions
- The presentations from these seminars in PDF
  - Available in English, French and Spanish in most cases
- PIARC's Technical Reports related to pandemic management
- Synthesis Notes



# Two synthesis notes are available ... ... and an article in *Routes Roads*

- These notes present the results of the first webinars.
- They are relevant for the road community and may be useful to inform planning and operational decisions that have to be made on the ground urgently.
- Available on [www.piarc.org](http://www.piarc.org)
  - Free
  - In English, French and Spanish



# COVID-19 across the world (8<sup>th</sup> October 2020)

## Global Summary

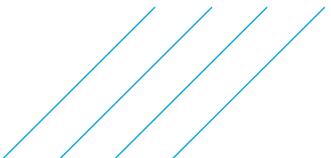
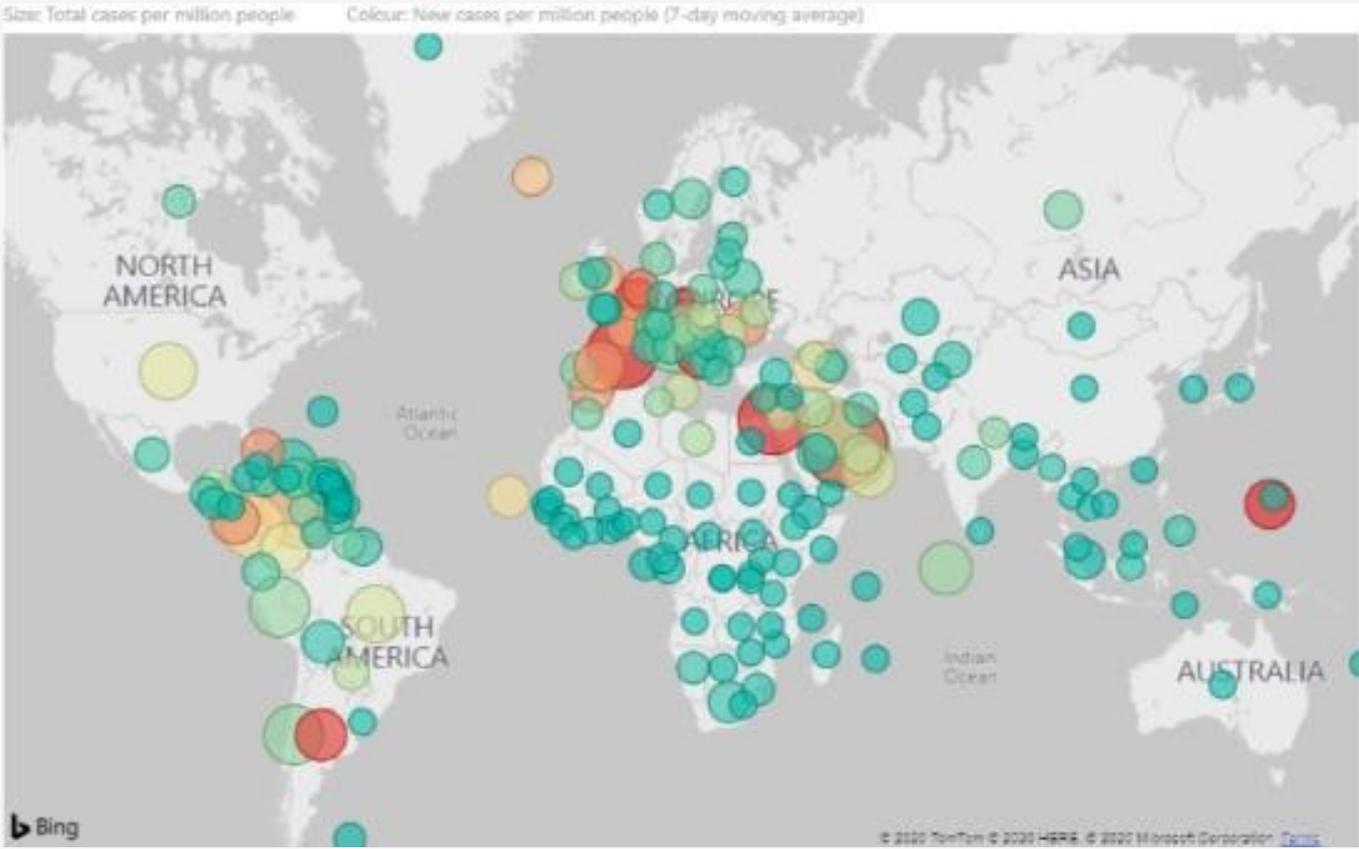
36,219,883  
Total Cases

1,054,126  
Total Deaths

349,255  
New Daily Cases

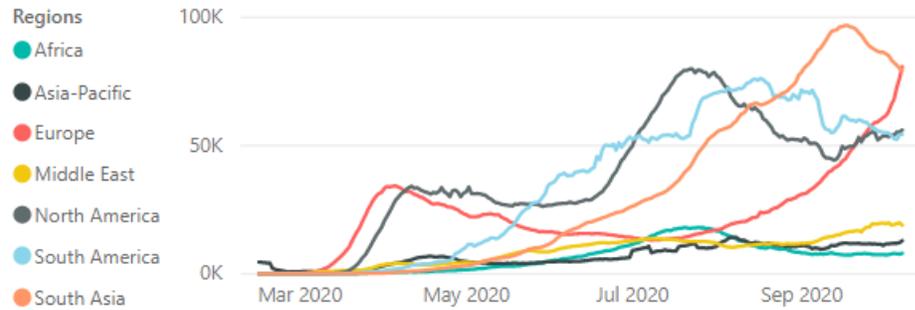
5,846  
New Daily Deaths

2.9%  
Case-Fatality Ratio

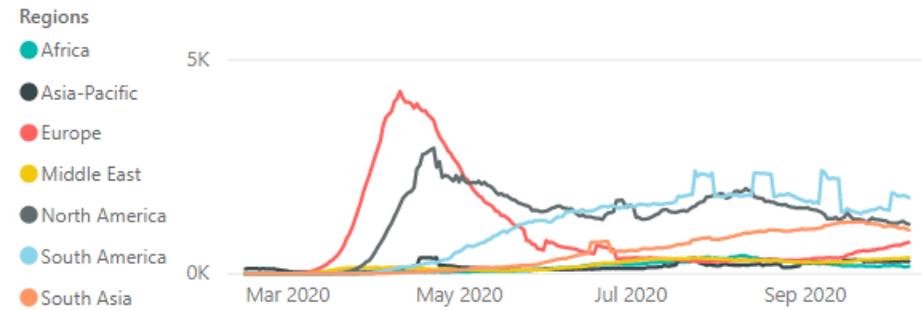


# COVID-19 across the world (8<sup>th</sup> October 2020)

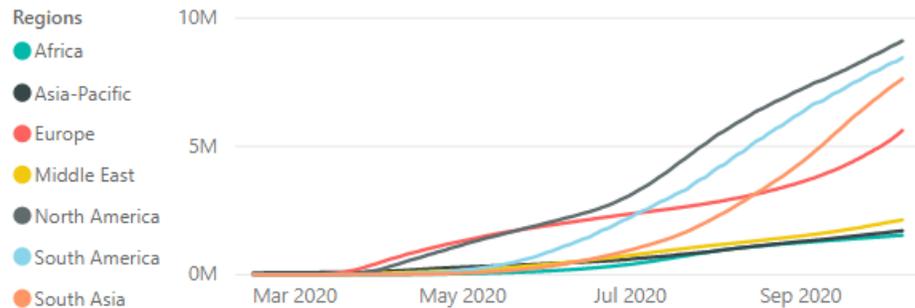
New Cases (7-day moving average) by Date and Regions



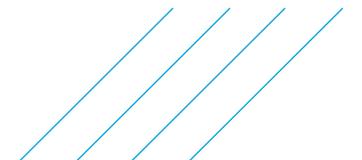
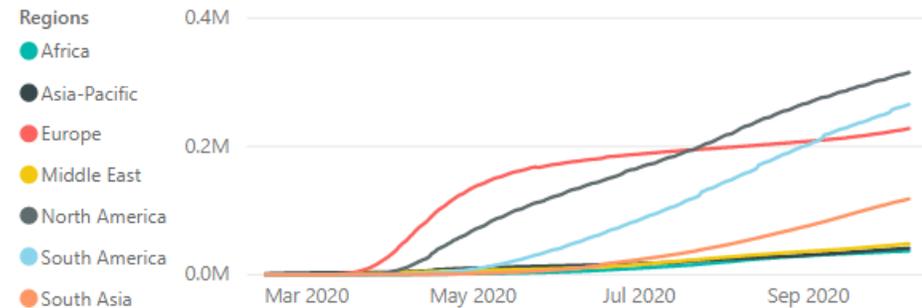
New Deaths (7-day moving average) by Date and Regions



Total Cases by Date and Regions



Total Deaths by Date and Regions



# Thank you for your attention!



**Patrick Mallejacq**

**PIARC Secretary General**

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**@PMallejacq**

World Road Association (PIARC)  
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92055 – La Défense Cedex – France



@PIARC\_Roads



World Road  
Association PIARC



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**[www.piarc.org](http://www.piarc.org)**





# Fighting the Covid-19 Pandemic

## Motorway Operation & Maintenance

**Emmanuelle FRENEAT**

Deputy Managing Director, EGIS ROAD OPERATION

28 October 2020

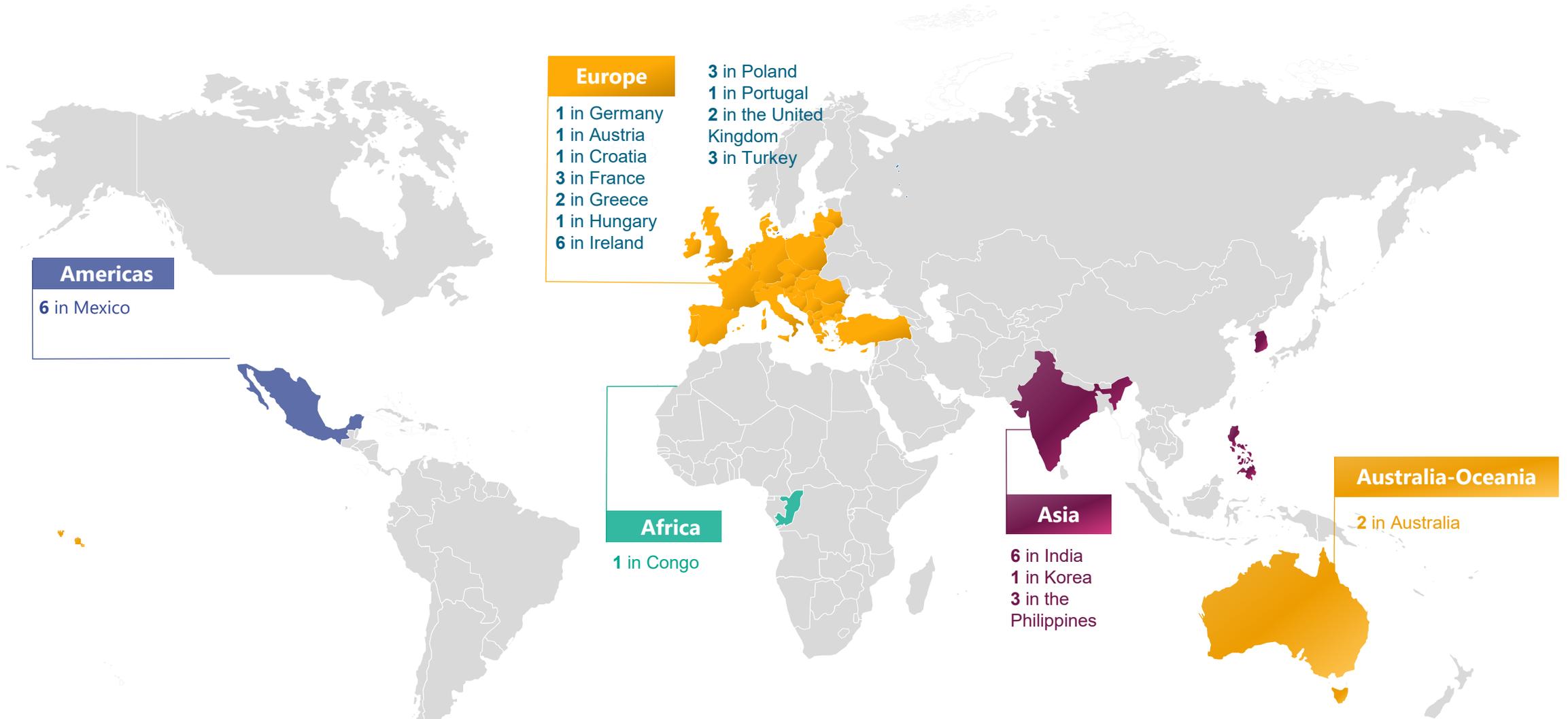
# Emmanuelle FRENEAT

## EGIS Engineering, Construction, Road and Airport Operation Group



- Managing Director of Egis Road Operation
  - Overall management of motorway operating companies
  - 4400 km in operation, + 40 projects in operation
  - 20 countries, 5 continents
  - 9300 employees
- Former PIARC TC member
  - TC B.1 Network Operations / ITS (2016 - 2019)
  - TC 2.1 Road Network Operations (2011 - 2015)
  - TC 4.1 Road Asset Management (2004 - 2007)

# Road network operated by EGIS (4,400 km)



# Implemented measures to face the new wave of the pandemic

- Measures implemented in the spring have been maintained during the summer and strengthened
- Installation over time
  - Sanitary measures - Protecting the health of our staff
  - Organisation and backup plan - Ensuring continuity of services
  - Information and communication - Maintaining the level of vigilance and ensuring a good understanding of the necessary actions
- Implementation / experimentation of innovative technological solutions
  - Intervention of subcontractors: dematerialised system for permits and individual accreditation
  - Augmented reality maintenance assistance
  - Deployment of virtual reality trainings

# Implemented measures to face the new wave of the pandemic

## ■ Sanitary measures

- Measures defined centrally (headquarters) and locally (adapted to country context and legislation)
- Examples of local actions: tests on site (when returning from holidays, periodical), provision of oximeters, etc.
- Building up stocks of masks, gels and other consumables
- Local disinfection, computer equipment, operating vehicles, staff shuttles
- Restricted access to the premises
- Specific measures for subcontractors' interventions
- “Covid intervention” kits in patrol vans (road user contact)

# Implemented measures to face the new wave of the pandemic

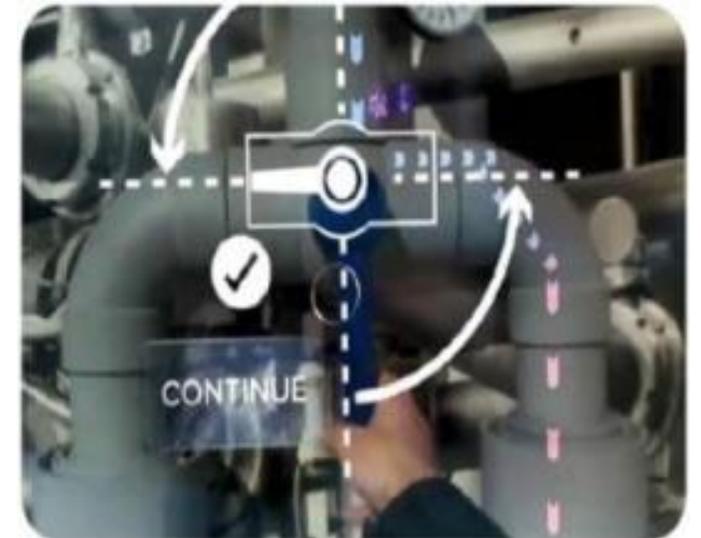
## ■ Organisation

- Strengthening the versatility of teams
- Staggered working hours
- Principle of "segregation" of teams to limit the risk of cross-contamination and simultaneous quarantine of several centres.
- Recruitment and training of additional resources ready to be mobilised (e.g. winter maintenance)
- Implementation of long-term teleworking, with the introduction of monitoring indicators for certain positions (e.g. customer toll area).

# Implemented measures to face the new wave of the pandemic

- Information and communication
  - Daily briefings when coming in, reminder of health measures
  - Trainings in handling of (proven / suspected) cases in the workplace
  - Raising awareness of the need for individual responsibility, including outside the workplace
  - Helping to maintain motivation
  - Procedures for communicating with staff working remotely

# Augmented reality maintenance assistance



# Virtual reality training



# What have we learned since March 2020?

- Need to reassess risks and test new scenarios on an ongoing basis
- Sanitary measures must be carried out on a regular basis
- Communication and exchange are key factors of success
- Solidarity is a major vector of motivation in times of crisis
- Working remotely is very productive if it is well organised and supported by a good IT infrastructure.
  - The confidence of management is a key to maintaining performance.
  - But working remotely is not everyone' choice.

# Evaluating the effectiveness of emergency measures?

- No impact on our ability to provide maintenance operations services to date.
- Permanent monitoring of absenteeism and cases of contamination, comparison with country indicators (barometer)
- Staff surveys: experience feedback

# Is investing in roads a priority for economic recovery?

- Stimulus plans being developed in many countries
- If investment in roads remains a lever for employment
  - United Kingdom: 2020-2025 strategic plan for the network's maintenance and repair work
  - Mexico: road maintenance contracts
  - India: greenfield projects
- Many countries also target other types of investment
  - Austria, Portugal: sustainable mobility, decarbonisation and circular economy, renewable energies and energy efficiency
  - Australia: autonomous vehicles, digitisation



# Covid-19 - French Webinar

## Situation in Wallonia - Belgium

**Dominique VERLAINE**

Member TC 2.4

Paris - 28 October 2020



**Dominique VERLAINE, Inspector General**  
**Belgium - Wallonia**

**Civil Engineer, Walloon Region for 25 years**



**Public Service of Wallonia**  
**Mobility and Infrastructure**

**Department of Infrastructure Operations**

**PIARC - Member of Technical Committee 2.4**  
**(Mobility – Road Network Operation/  
Intelligent Transport Systems)**

# Covid-19 - Situation in Belgium

(decisions of the National Security Council: federal and federated entities)

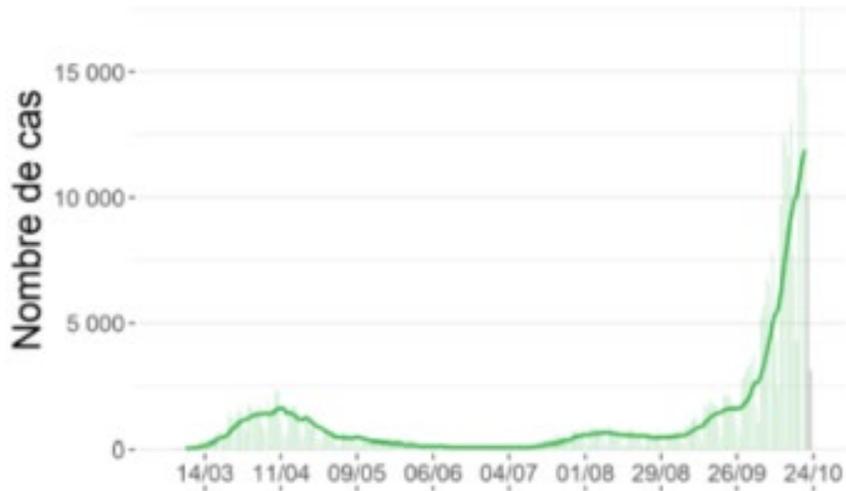
## 1st Wave: from the end of February 2020

- Full confinement from 14 March to 3 May  
Objective: to reduce the spread of viruses and maintain hospital capacity (including intensive care).
- Deconfinement in phases starting on 4 May
  - 4 May: B2B industry and services
  - 11 May: shops
  - 18 May: schools
  - 8 June: hospitality and restauration
  - July and August: numerous outdoor and indoor activities
- Massive testing strategy and progressive implementation of tracing  
(including the application of digital contact tracing from Sept. 30th).
- Sharp drop in the epidemic in July and August

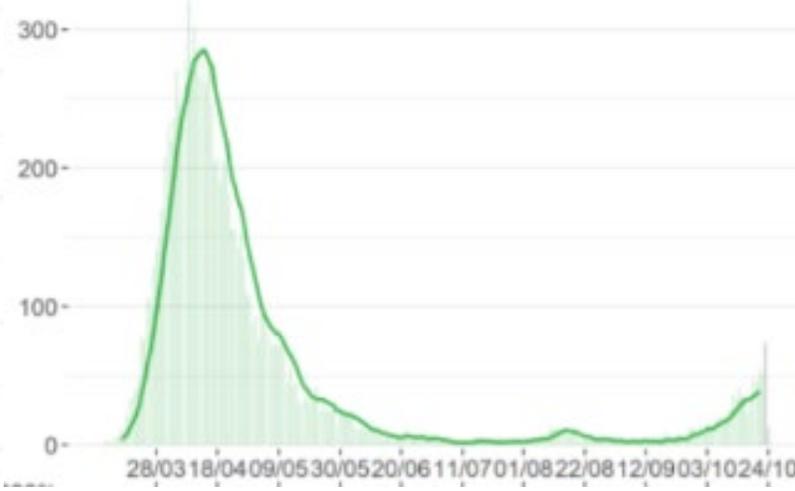
## 2nd wave: from the end of September 2020 on

# Covid-19 - Situation in Belgium - Statistics (situation per day or week)

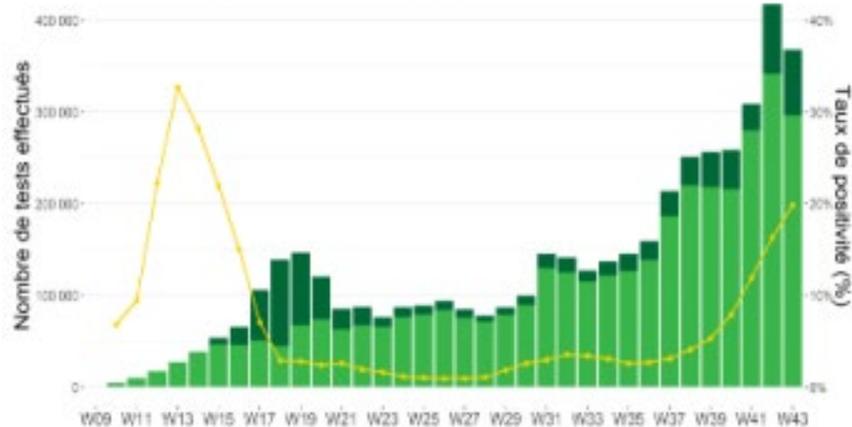
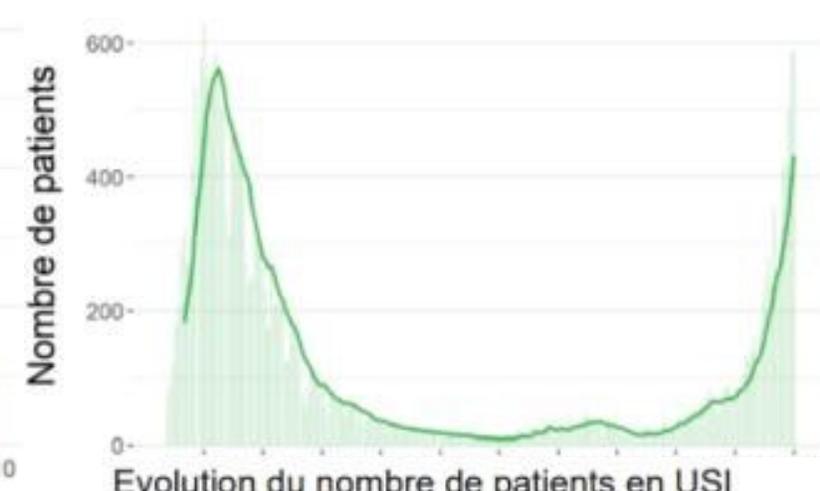
Evolution des nouveaux cas confirmés



Evolution du nombre de décès



Evolution des nouvelles admissions de cas COVID-19 confirmés en laboratoire à l'hôpital

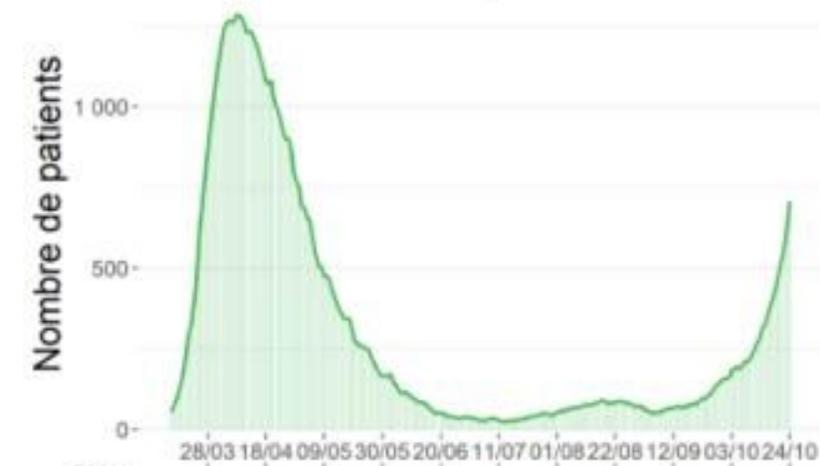


Belgian statistics:

Total number of deaths: 10,700  
(Note: nursing homes included / 50%)

(data as of 25 October)

Evolution du nombre de patients en USI



# Covid-19 - Situation in Belgium

(data as of 25 October)

## 2nd wave: from the end of September 2020

- No complete confinement to date.
- Decisions of the National Security Council: federal and federated entities
  - 3 October - Belgium as a whole (CNS): limited social contact, bars must close at 11pm
  - 19 October: Belgium as a whole (CNS)
    - teleworking is once again becoming the rule
    - A curfew is in place from 0:00 am to 5:00 am.
    - Bars and restaurants are closed again
    - Close contacts are limited to a maximum of 1 person and private and public gatherings are limited to 4 people.
  - 23 October: only in Wallonia: complementary measures
    - A curfew is extended from 10 p.m. to 6 a.m.
    - Groceries for up to 2 people and 1 visitor per person in nursing homes
    - Lectures at colleges and universities are only given at a distance.
  - 24 October: only in Brussels: additional measures
    - Idem Wallonia
    - + Wearing a mask is compulsory in all public areas + closed cultural and sports venues

Dominique VERLAINE - Belgium, Wallonia - TC 2.4 – French-speaking Covid-19 Webinar - 28 October 2020

# Covid-19 - Situation in Belgium

2nd wave: from the end of September 2020

Awareness of the population reactivated

## 6 règles d'or



Respectez les règles d'hygiène



Pratiquez vos activités de préférence à l'extérieur



Pensez aux personnes vulnérables



Gardez vos distances (1m50)



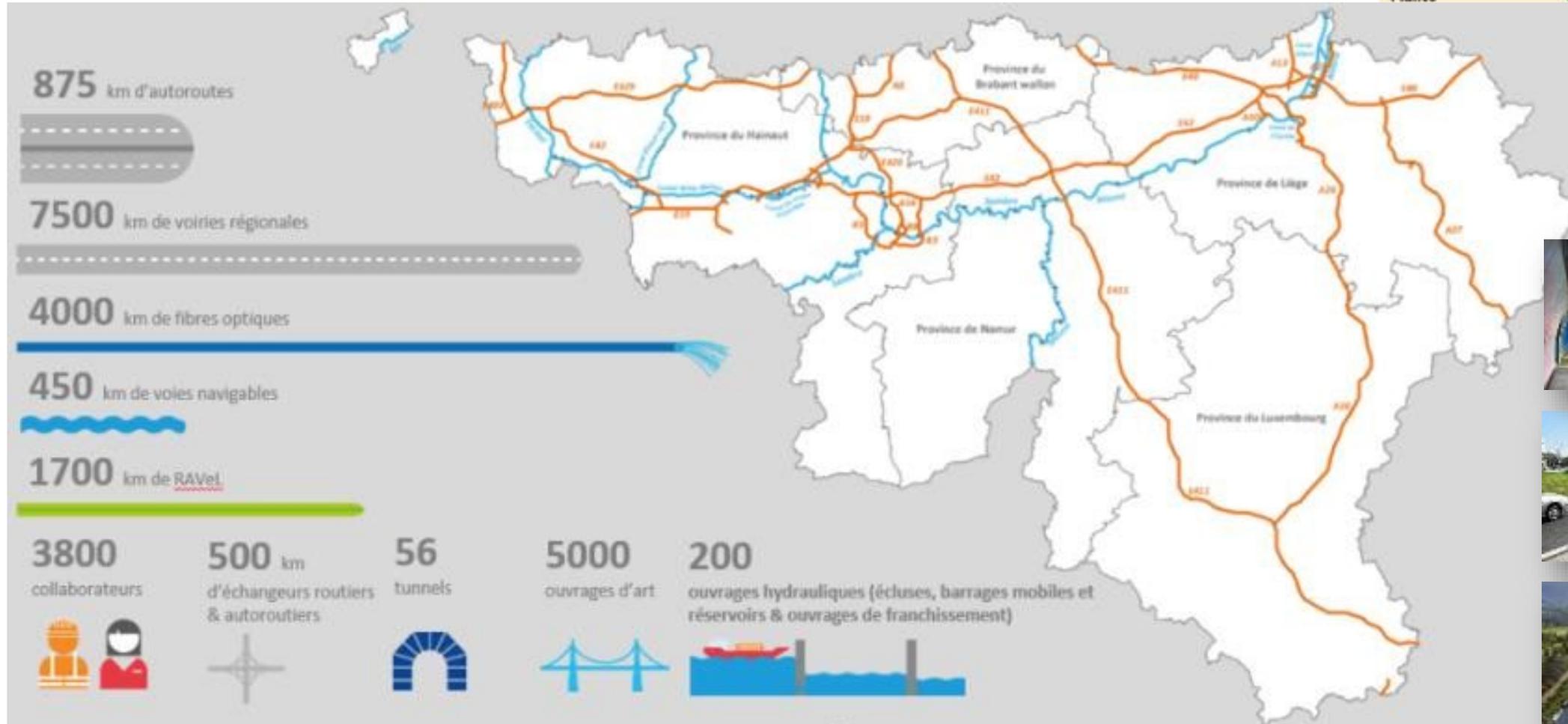
Limitez vos contacts rapprochés



Suivez les règles sur les rassemblements



# Infrastructures managed by the Public Service of Wallonia



# Covid-19 - Impact on the road sector in Wallonia (1/3)

Findings during the confinement from March to May 2020:

- Road traffic:
  - decrease of about 50% for LCV and 40% for HCV
- Disappearance of congestion
- Significant decrease in incidents
- Public transport maintained
  - with some rules of social distancing
    - 5 passengers maximum for a standard bus ;
    - 12 passengers maximum for an articulated bus ;
    - 15 passengers maximum for a tram.

approx. 90% drop in passenger numbers  
in Walloon buses



# Covid-19 - Impact on the road sector in Wallonia (2/3)

## Public Service Staff of Wallonia (1<sup>st</sup> wave - March-May and 2<sup>nd</sup> wave - October 2020)

- Working remotely in the case of all possible operations
- Extensive use of teleconferencing for "meetings".
- Maintaining permanent traffic (roads and tunnels) in compliance with health regulations.
- Supporting police services
- 1<sup>st</sup> wave :
  - minor increase in illness and absenteeism
  - Keeping essential maintenance and management operations (surveillance, winter service, emergency operations, telecommunications, etc.) according to health regulations.
- 2<sup>nd</sup> wave: lessons learned from the 1<sup>st</sup> wave
  - Significant increase in absenteeism (distance - covid)
  - Maintenance of all operations in compliance with health regulations and implementation of **"degraded modes" with prioritisation**



Dominique VERLAINE - Belgium, Wallonia - TC 2.4 – French-speaking Covid-19 Webinar - 28 October 2020

World Road Association - Asociación Mundial de la Carretera - [www.piarc.org](http://www.piarc.org)



# Covid-19 - Impact on the road sector in Wallonia (3/3)

## Construction sites and economic recovery

- Construction sites were never closed, if compliant with sanitary rules.
  - Many stopped at the beginning of the confinement in March (staff fears and supply difficulties)
- Close and constant interaction with sectors concerned (construction, roads, electro-mechanics)
  - Contractual relations: force majeure, impact on deadlines, ...
  - End of confinement
  - Organisation of building sites
- Difficulty during the crisis for the road sector in Wallonia
  - Double effect: establishment of the new Walloon investment plan and slowdown during the crisis -> major difficulties for the sector
- July 2020: announcement of a €2 billion Walloon Investment Plan for 2020-2026 (outside the European plan)
- European Recovery Plan - €390+360 billion, of which more than €10 billion is intended for Belgium
  - Ecological and digital transition, and sustainable mobility - **the construction sector will be part of the recovery!**



Dominique VERLAINE - Belgium, Wallonia - TC 2.4 – French-speaking Covid-19 Webinar - 28 October 2020

# Covid-19 - French Webinar

## Situation in Wallonia - Belgium

Thank you for your attention

Any questions?





# COVID-19 SITUATION IN COTE D'IVOIRE



**Djan Fanny**

Public Works Engineer

Director of Operations

Urban Mobility Authority in Greater Abidjan

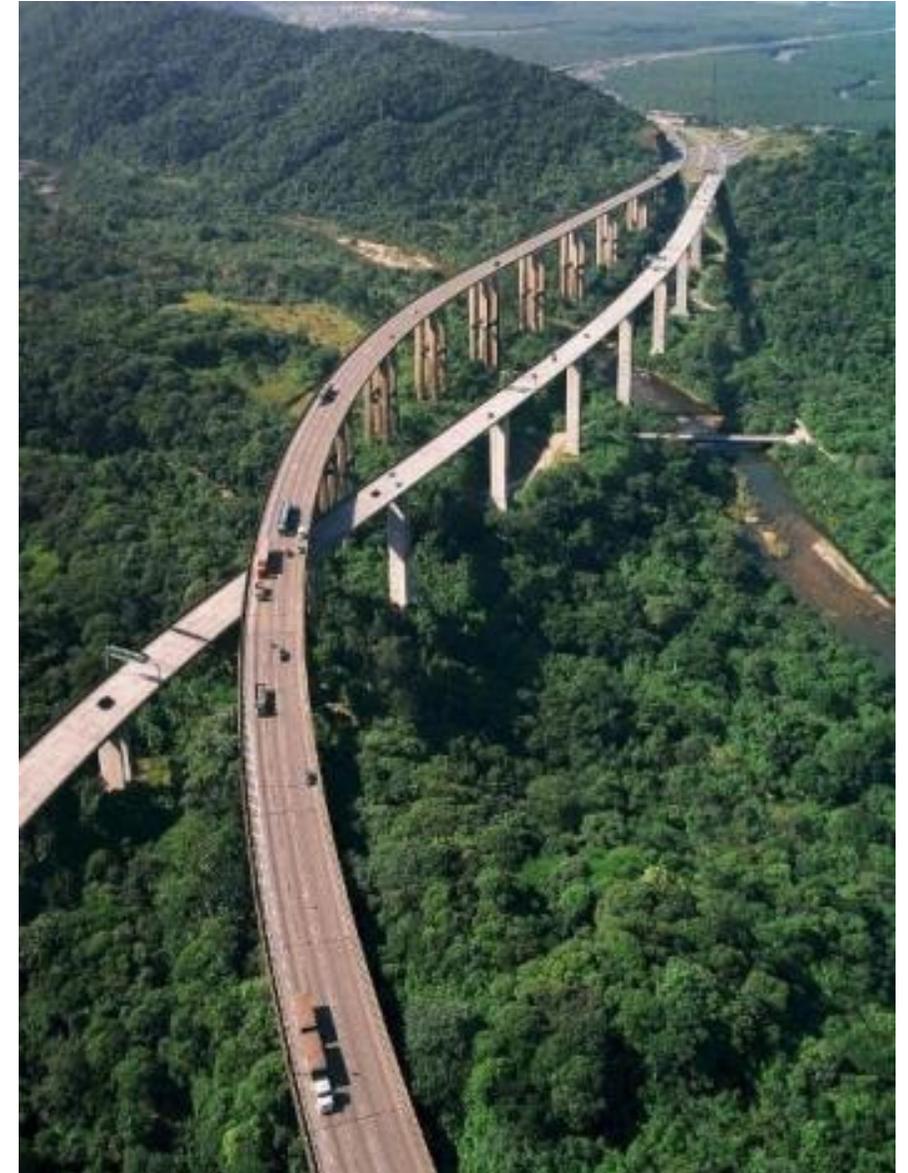
Abidjan, Ivory Coast

October 2020

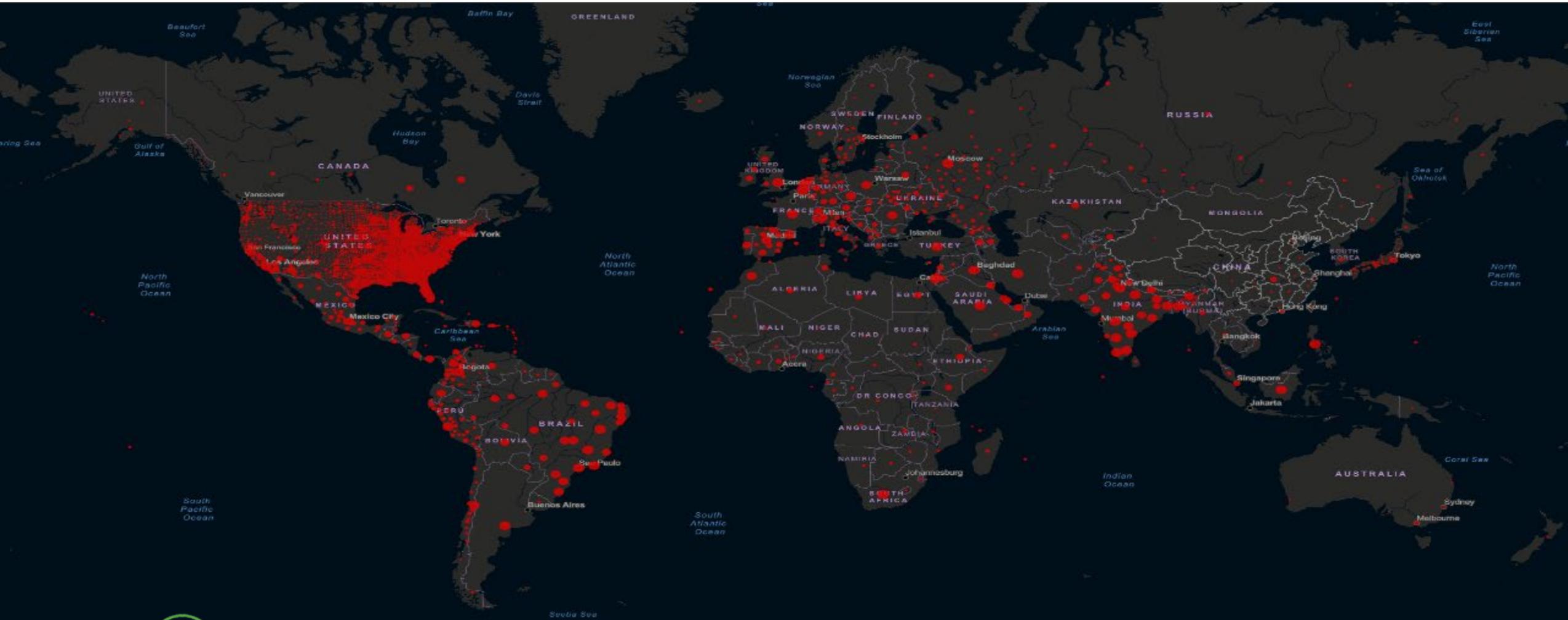


# Key points of the presentation

- Introduction
  - COVID-19 World Pandemic
- Cases in Côte d'Ivoire
- Evolution of the pandemic in Côte d'Ivoire
- Government response plan
- Main measures related to COVID-19
- Impact of the Pandemic
  - Impact on the transport sector
  - Overall impact of the Pandemic on the national economy

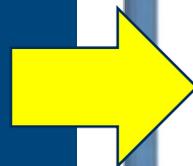


# Introduction – COVID-19 World Pandemic Map



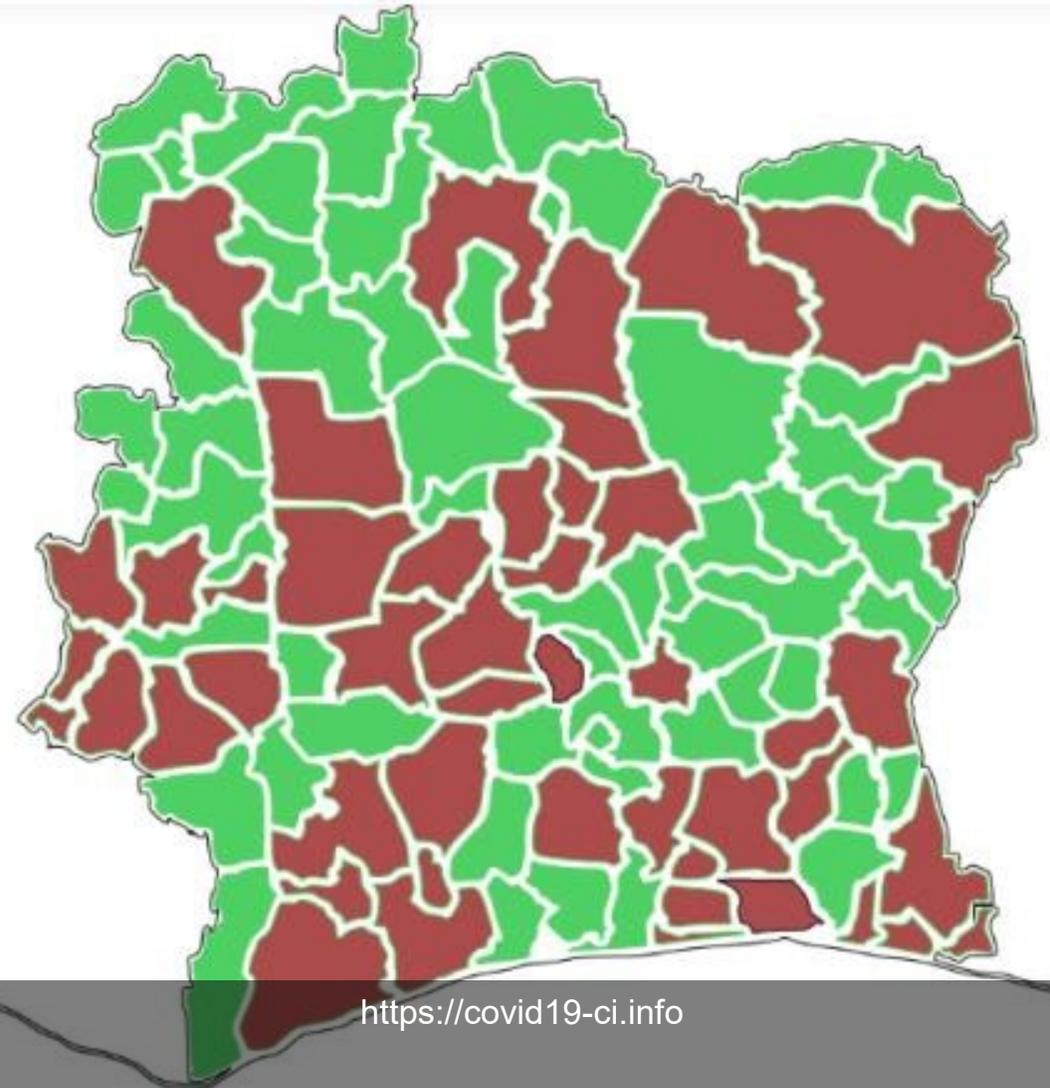
# Cases in Côte d'Ivoire

- Cote d'Ivoire is one of the countries in the world facing the COVID-19 pandemic.
- First case was detected on **11 March 2020**.
- On **29 October 2020**, the situation is as follows



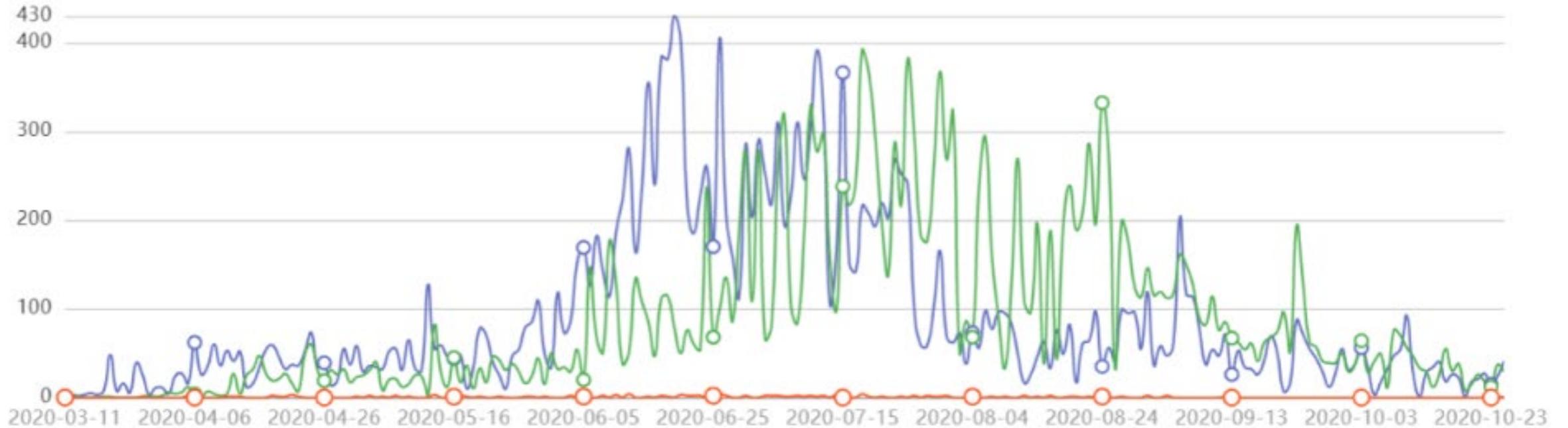
# Cases in Côte d'Ivoire

- As of 29 October 2020, the national situation is as follows:
  - 26 regions affected out of 33
  - 48 cities affected out of 108
- Out of 188,017 samples taken, resulted 20,488 positive cases, i.e. 10.89% tested positive of which ;
  - 20,229 cured (98.8%)
  - 122 cases in treatment (0.6%)
  - 122 deceased (0.6%)



## Évolutions journalières de la pandémie

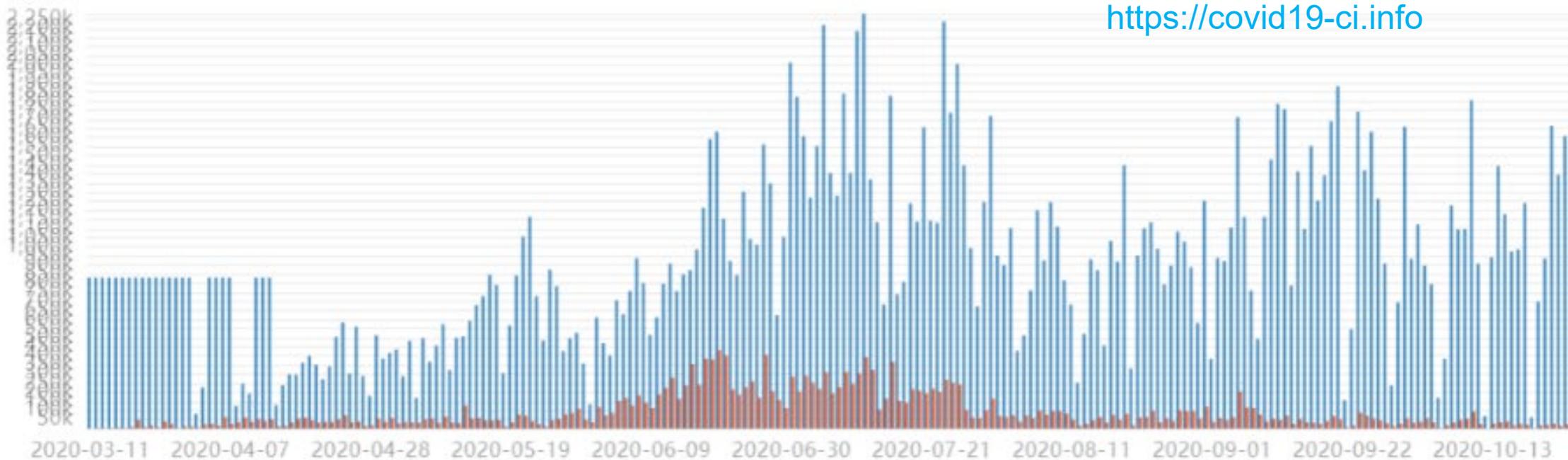
■ Cas confirmés ■ Guéris ■ Décès



# Evolution of the pandemic in Côte d'Ivoire

With its first case detected on 11 March 2020, the coronavirus disease has spread from Abidjan, the national epicentre, to several other cities in the interior of the country as illustrated above.

■ Échantillons ■ Infectés



# Evolution of the pandemic in Côte d'Ivoire

This rapid evolution has been measured by the multiplication of tests of suspected cases. The graph above illustrates the progression of this trend as well as that of positive cases.

# Government response plan

□ Faced with such a contagious pandemic, which is causing so many deaths worldwide, the Ivorian government, with the support of partners (WHO, USAID, UNICEF, etc.) has drawn up a national COVID-19 response plan, the implementation of which has been gradual depending on the evolution of the disease in Cote d'Ivoire.

□ This plan is worth 95.88 billion CFA francs.

Union - Discipline - Travail

## CORONAVIRUS (COVID-19)

### Protégeons-nous contre le coronavirus

Se couvrir la bouche et le nez avec un mouchoir pour tousser ou éternuer.

A défaut de mouchoir, tousser ou éternuer dans le pli du coude.

Placer le mouchoir utilisé dans une poubelle puis fermer la poubelle.

Se laver immédiatement les mains avec de l'eau et du savon ou utiliser un gel hydro-alcoolique.

POUR TOUTE INFORMATION APPELER LE



CORONAVIRUS (COVID-19)

## Mesures de prévention



Se laver fréquemment les mains avec de l'eau et du savon ou utiliser un gel hydro-alcoolique.



Se couvrir la bouche et le nez avec un mouchoir pour tousser ou éternuer.



Eviter tout contact étroit avec une personne souffrant de fièvre, rhume et toux.



Bien cuire la viande et les oeufs.

POUR TOUTE INFORMATION APPELER LE

143 ou 101

ENVOYER PAR SMS CORONAVIRUS AU 1366

# Government response plan

- The overall objective of the plan is to limit the spread of the Coronavirus in Côte d'Ivoire, detect the infection and treat the sick.
- The **four specific objectives of the response** concern (i) limiting the progression of COVID-19 ; (ii) the correct handling of COVID-19 cases by ensuring the safety of all actors; (iii) rapid response to COVID-19 outbreaks; and (iv) strengthening the health care system and the institutional framework.

# Government response plan

- ❑ **Eight (08) strategic areas of intervention** have been identified as follows: (i) epidemiological and biological surveillance; (ii) contact monitoring; (iii) patient management; (iv) response to the epidemic outbreak; (v) prevention of coronavirus transmission (covid-19), (vi) risk communication, social mobilisation and community involvement; (vii) operational research and (viii) the creation of a Framework for Emergency Management at the Prime Minister's Office, in order to monitor and assess the action matrix and prevention measures.
- ❑ **A mechanism for coordinating and monitoring interventions is also set up.**



# Main measures related to COVID-19

- Declaration of a State of Emergency over the entire national territory by the President of the Republic on 23 March 2020, in accordance with law no. 59-231 of 7 November 1959. Additional measures to the previous provisions:
- 1- Closure of all the maquis and restaurants as from Monday, March 23rd, 2020 at midnight, after the closure of bars, nightclubs, cinemas and entertainment venues;
- 2- Introduction of a curfew from 9 p.m. to 5 a.m. as of Tuesday 24 March;
- 3- Regulation of interurban, inter-communal and intra-communal transport and prohibition of unauthorised travel between Abidjan and the interior of the country;
- 4- Progressive confinement of populations by geographical area, according to the evolution of the pandemic;

**CORONAVIRUS (COVID-19)**  
CÔTE D'IVOIRE

**La Bonne Info**

N° 017  
Date : 23mars 2020  
Heure : 20h45min

**L'ÉTAT D'URGENCE DÉCLARÉ  
SUR TOUT LE TERRITOIRE NATIONAL**

Ce lundi 23 mars, le Président de la République a déclaré l'état d'urgence sur toute l'étendue du territoire national, avec des mesures additionnelles pour renforcer le dispositif de prévention mis en place par le Conseil National de Sécurité.

- 1 La fermeture de tous les maquis et restaurants à compter de ce lundi 23 mars 2020 à minuit, après celle des bars, des boîtes de nuit, des cinémas et des lieux de spectacle ;
- 2 L'instauration d'un couvre-feu de 21 h à 5 h du matin, à compter du mardi 24 mars ;
- 3 La régulation des transports interurbains, intercommunaux, intra-communaux et l'interdiction des déplacements non autorisés entre Abidjan et l'intérieur du pays ;
- 4 Le confinement progressif des populations par aire géographique, en fonction de l'évolution de la pandémie ;
- 5 La création de couloirs humanitaires pour venir en aide aux personnes ou aux communautés ayant un besoin urgent d'assistance ;
- 6 Le renforcement des capacités des industries pharmaceutiques, des laboratoires et des structures de diagnostic et de prise en charge sur l'ensemble du territoire national ;
- 7 La détection précoce, la prise en charge rapide et l'isolement en toute confidentialité des malades ;
- 8 La mise en place d'un centre d'appels dédié au Covid-19 et d'un système d'alerte et de suivi utilisant, notamment, les nouvelles technologies de l'information et de la communication.

Les Forces de sécurité sont chargées de faire appliquer strictement ces mesures.  
Le Gardien des Sceaux, Ministre de la Justice est instruit en vue de donner des suites judiciaires au non-respect de ces mesures et à la diffusion de fausses informations.

POUR TOUTE INFORMATION APPELER LE  
**143 ou 101**  
OU ENVOYER PAR SMS CORONAVIRUS AU **1366**

Source : Message à la Nation du Président de la République - 23 mars 2020

# Main measures related to COVID-19

- 5- Creation of humanitarian corridors to help people or communities in urgent need of assistance;
- 6- Strengthening the capacity of the pharmaceutical industries, laboratories and diagnostic and care structures throughout the country;
- 7- Early detection, rapid care and confidential isolation of patients;
- 8- Setting up a call centre dedicated to Covid-19 and an alert and monitoring system using, in particular, new information and communication technologies;

**CORONAVIRUS (COVID-19)**  
CÔTE D'IVOIRE

**La Bonne Info** N° 035  
Date : 01 avril 2020  
Heure : 20h00min

**MESURES POUR PRÉSERVER L'OUTIL DE PRODUCTION ET L'EMPLOI**

- Fonds de soutien au secteur privé : 250 milliards de FCFA (dont au moins 100 milliards de FCFA pour le renforcement du soutien aux PME).
- Fonds spécifique d'appui aux entreprises du secteur informel touchées par la crise : 100 milliards de FCFA.
- Soutien aux principales filières agro-industrielles (anacarde, coton, hévéa, palmier à huile, cacao, café, etc.) : 250 milliards de FCFA.
- Soutien à la production vivrière, maraichère et fruitière : 50 milliards de FCFA (dont 20 milliards pour les intrants).

Source : Discours du Premier Ministre Amadou Gon Coulibaly  
Chef du gouvernement, Ministre du Budget et du Portefeuille de l'Etat.  
31 mars 2020.

POUR TOUTE INFORMATION APPELER LE  
**143/101/125/119**  
OU ENVOYER PAR SMS CORONAVIRUS AU **1366**

CENTRE D'INFORMATION ET DE COMMUNICATION GOUVERNEMENTALE  
CAMPAGNE DE PRÉVENTION CONTRE LE CORONAVIRUS

# Impact on the infrastructure & transport sector

**CORONAVIRUS (COVID-19)**  
CÔTE D'IVOIRE

N° 004 / Mars 2020

**Bon à Savoir**

**RECOMMANDATIONS AUX TRANSPORTEURS**

Le Haut Conseil du Patronat des Entreprises de Transport Routier de Côte d'Ivoire recommande, à partir du lundi 23 mars 2020:

- Aux taxis communaux et taxis-compteurs :**  
La réduction du nombre de passagers de cinq (05) à quatre (04), y compris le conducteur. Soit deux (02) passagers à l'arrière du véhicule et un (01) à côté du chauffeur.
- Aux minicars communément appelés "Gbaka" :**  
La non utilisation des sièges du milieu
- Aux taxis intercommunaux de sept (07) places :**  
L'occupation de cinq (05) places au maximum
- A tous les transporteurs**
  - Le lavage obligatoire des mains (avec du savon ou du gel hydro-alcoolique) des usagers au moment de leur embarquement.
  - Le port de cache-nez pour le conducteur et son convoyeur (ou apprenti).

POUR TOUTE INFORMATION APPELER LE  
**143 ou 101**  
OU ENVOYER PAR SMS CORONAVIRUS AU **1366**

- Limiting the number of passengers on board public transport vehicles
- Obligation to wear masks on public transport
- Slowdown in all road infrastructure projects, with major risks of delays in schedules if the situation persists for too long.
- Decrease in traffic at urban and interurban road toll booths
- Difficulty in exporting raw materials such as cocoa and cashew nuts stored in the Port of Abidjan
- Setting up a website for the exit permits of Greater Abidjan after its closure
- Support from the Ministry of Equipment and Road Maintenance and AGEROUTE to companies in the form of passes for the execution of road and civil engineering works.



# Impact of the pandemic on the transport sector



Eléments		Montant avant la Covid-19 en FCFA	Montant pendant la Covid-19 en FCFA	Variation en FCFA sur 3 mois (Mars - Avril - Mai 2020)
Transport routier de personnes	Recettes	105 639 224 109	31 100 687 000	74 538 537 109
	Charges Fixes	16 400 658 000	16 400 658 000	0
	Salaires	16 960 000 000	16 960 000 000	0
SOTRA	Recettes	13 986 331 109	7 754 730 000	6 231 601 109
	Charges Fixes	5 597 121 000	6 308 822 000	711 701 000
	Différentiel Salaires			872 572 000
	Frais COVID 19			320 569 000
	Carburant supplémentaire			1 135 100 000
Transport lagunaire Sociétés (STL CITRANS)	Recettes	536 304 600	232 057 500	304 247 100
	Charges Fixes	604 812 810	1 019 388 810	414 576 000
	Salaires	321 658 535	321 658 535	0
Transport Lagunaire PINASSE	Recettes	234 000 000	140 400 000	93 600 000
	Charges Fixes	52 572 312	52 572 312	0
	Salaires	112 320 000	112 320 000	0
Transport de marchandises	Recettes	214 062 600 000	187 688 400 000	26 374 200 000
	Charges Fixes	4 769 359 000	4 769 359 000	0
	Salaires	9 249 270 000	9 249 270 000	0
<b>Total Parc</b>		<b>359 693 509 366</b>	<b>258 797 501 157</b>	<b>110 996 703 318</b>

- With the support of the European Union, the Government has carried out an assessment of the impact of Covid-19 over the period of time from March to May 2020.
- The monetised impact amounts to 111 billion CFA francs, or approximately €170 million over the three months.

# Impact of the pandemic on the transport sector

## □ HKB Bridge toll booth case, Abidjan

	VARIATION 2019-2020								
	janvier	février	mars	avril	mai	juin	juillet	août	septembre
<b>Trafic Total</b>	-1,34%	3,28%	-15,16%	-41,37%	-26,42%	-11,33%	-2,30%	-1,12%	6,22%
Classe 1	-1,19%	3,44%	-14,99%	-41,27%	-26,06%	-11,10%	-2,28%	-0,82%	6,41%
Classe 2	-9,31%	-3,06%	-26,18%	-49,26%	-41,75%	-26,43%	-3,44%	-18,39%	-4,49%
Classe 3	-9,17%	-15,39%	-17,70%	-38,00%	-49,78%	-13,31%	-3,60%	-11,28%	-5,15%

Source: SOCOPRIM, HKB Bridge Concessionaire







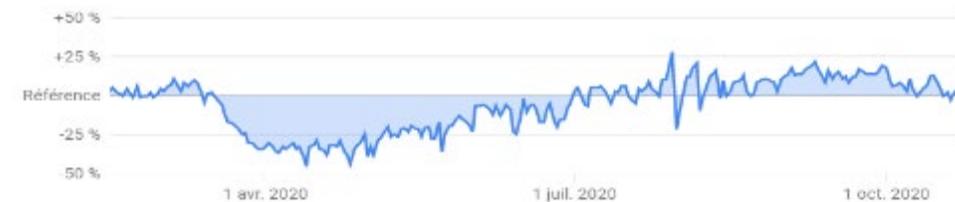
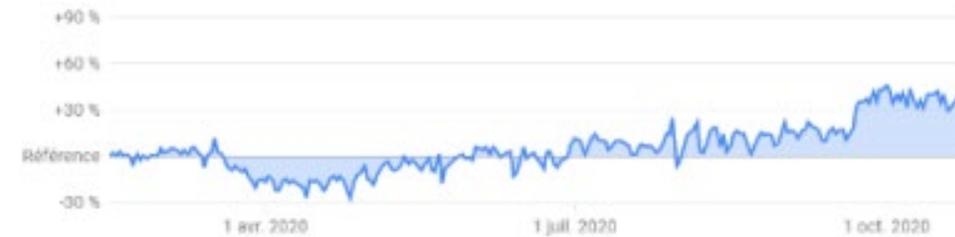
# Impact of the pandemic on mobility

Business & Leisure

Food shops and pharmacies

Public transport stops

Places of residence



## Overall impact of the pandemic on the national economy

With an average GDP growth of more than 7% over the last 10 years, Cote d'Ivoire expected to achieve a growth of 7.2% in 2020. To date, after the evaluation of the impacts of COVID-19, recent projections for the country are around a GDP growth rate of 1.8%.

# Thank you for your attention!!



**Djan FANNY**  
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Director of Operations  
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[@PIARC\\_Roads](#)



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Association PIARC



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Association PIARC



World Road  
Association PIARC

[www.piarc.org](http://www.piarc.org)





# THE IMPACT OF THE COVID-19 CRISIS ON ROAD CONSTRUCTION AND OPERATION IN SENEGAL



**Mohamed LAYE** (mlaye@ageroute.sn)

Head of the Major Road Works Division

AGEROUTE, Senegal

Dakar

28 October 2020



# Plan of the presentation

1. Situation of the pandemic in Senegal
2. Measures taken by the Government
3. Impact of the crisis on road construction and rehabilitation projects
4. Impact of the crisis on motorway operations
5. Lessons learned in crisis management
6. POST-COVID recovery plan 19 / Investments in the transport sector

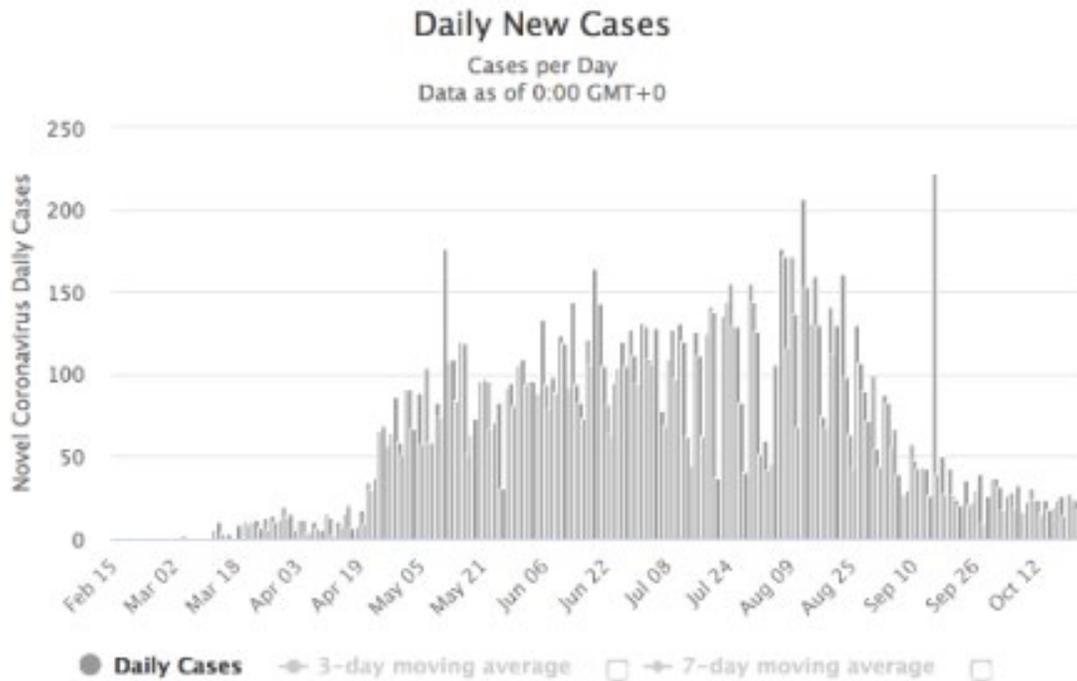


# 1. The situation of the pandemic in Senegal

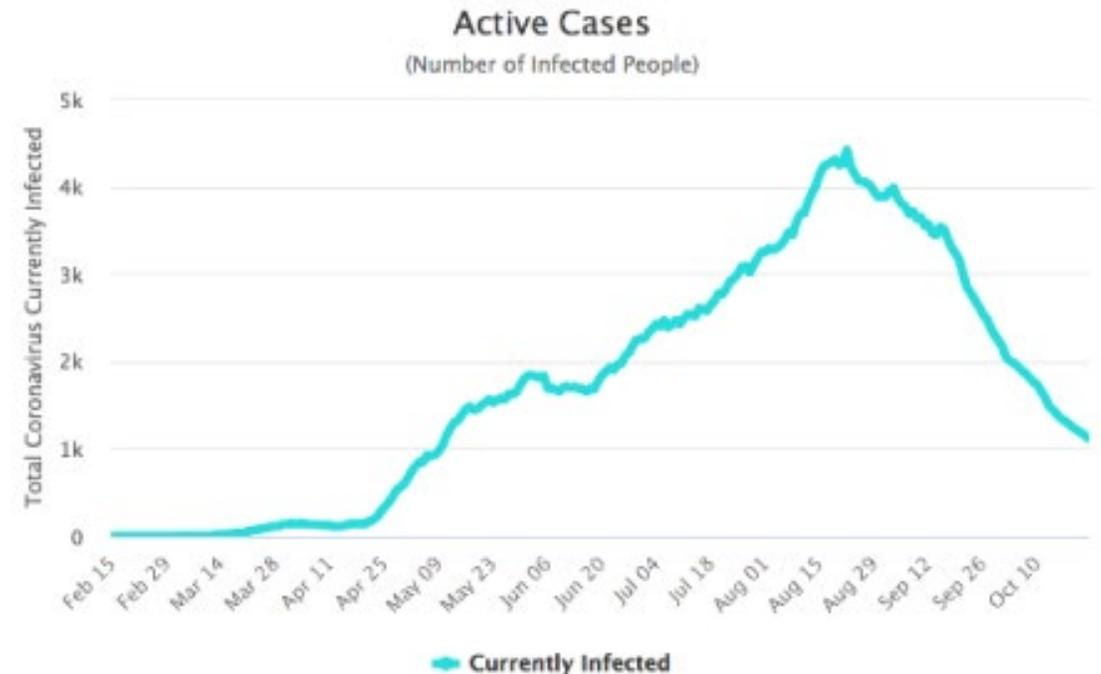


source: <http://www.sante.gouv.sn> on 23/10/20

### Daily New Cases in Senegal



### Active Cases in Senegal



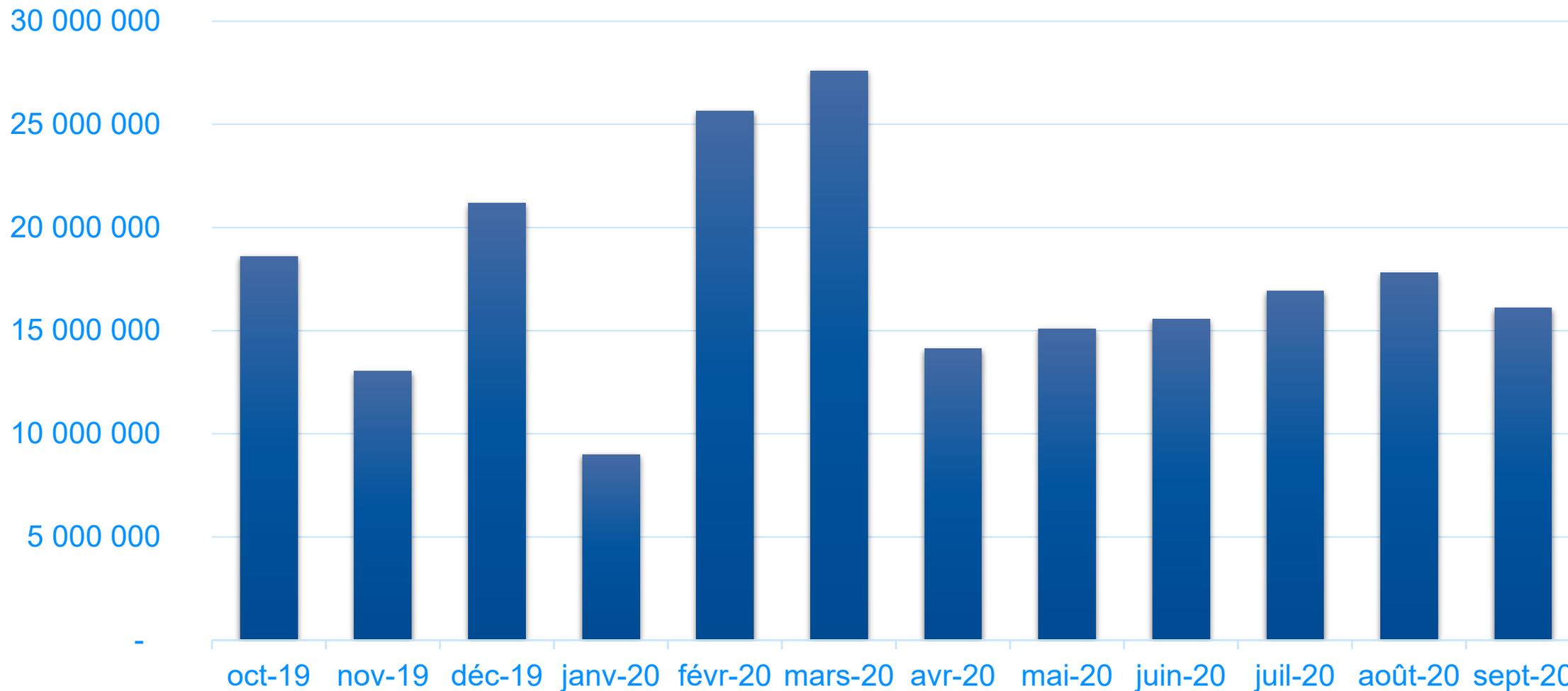
source: <https://www.worldometers.info/coronavirus/country/senegal> on 24/10/20

## 2. Measures taken by the Government

- 16 March: closure of schools and universities
- 19 March: border closures
- 20 March: prohibition of prayers in places of worship
- 23 March: declaration of a state of emergency and introduction of a curfew from 8pm to 6am; restriction of movement of people between regions; limitation of the number of people on public transport and introduction of strict hygiene rules (hand washing, social distancing, wearing of masks).
- 8 April: developing measures to override redundancies and technical unemployment.
- 5 June: start of gradual relaxation of most restrictive measures, particularly in the transport sector
- With the exception of the compulsory wearing of masks and social distancing in public places, as well as regular hand washing with soap or the use of hydro-alcoholic solutions.

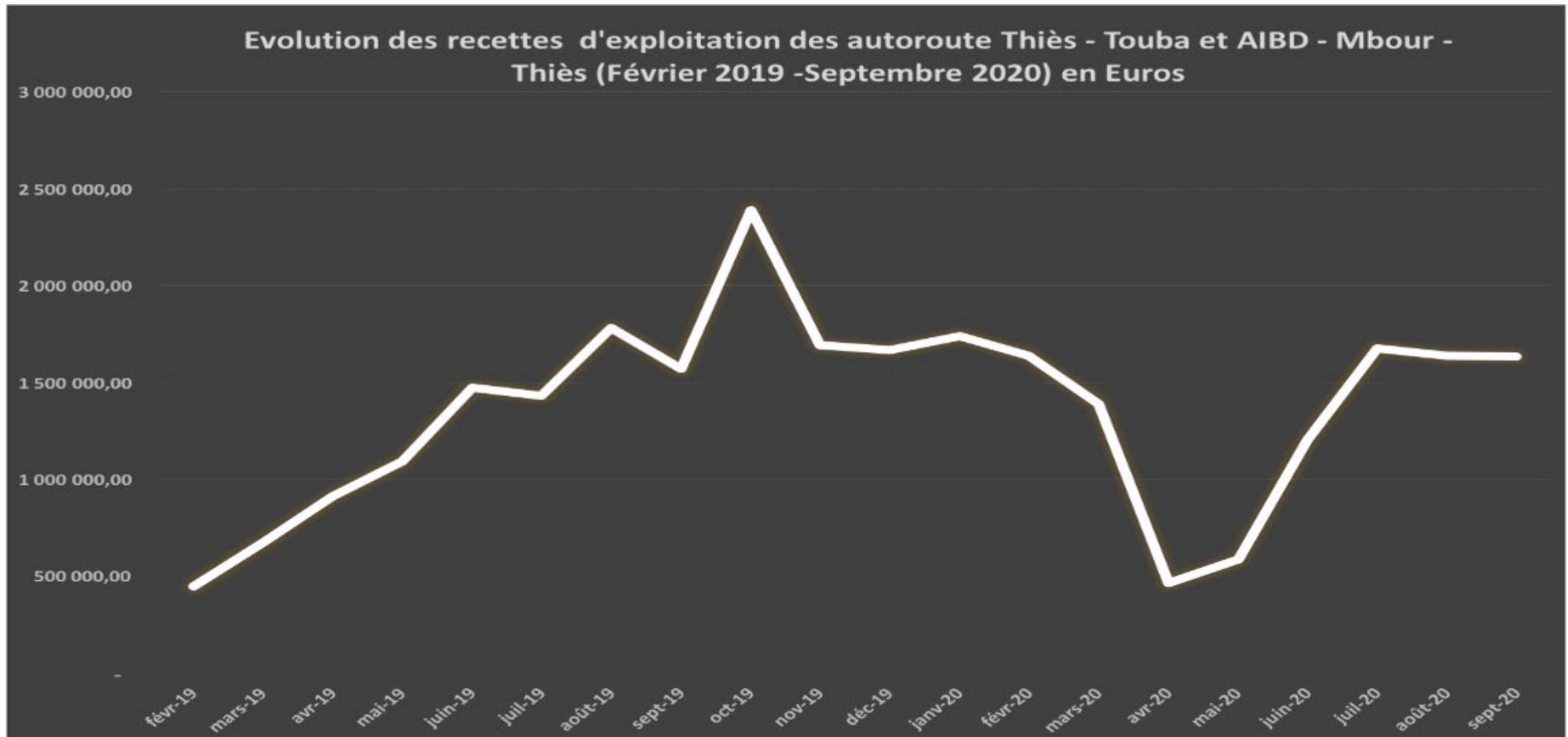
# 3. Impact of the crisis on road projects

Total Work Statements & Supervision of the Major Roadworks Division in Euros



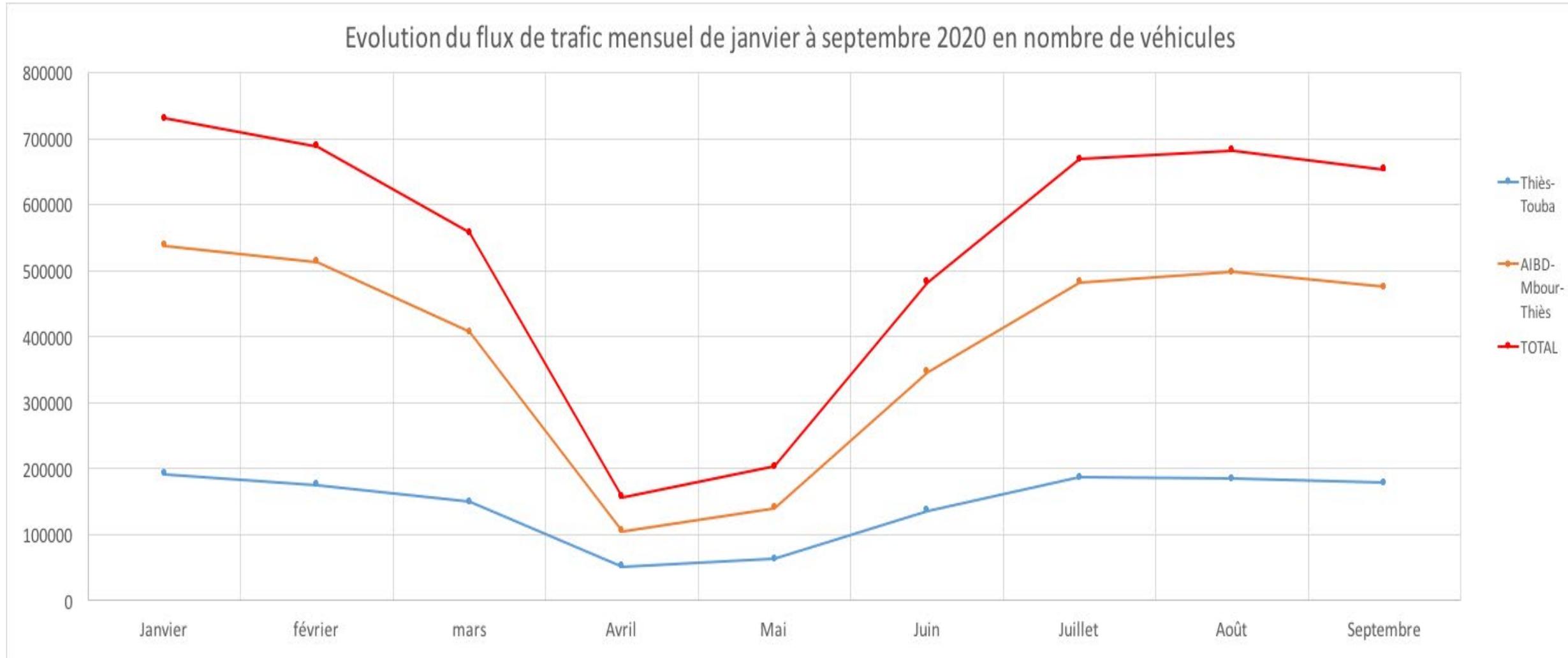
source: DGTR/DGTOA/AGERROUTE

## 4. Impact of the crisis on motorway operations (1/2)



source: DAPPP/AGEROUTE

## 4. Impact of the crisis on motorway operations (2/2)



source: DAPPP/AGEROUTE

# 5. Lessons learned in crisis management (1/2)

## At AGEROUTE level

- the introduction of remote working for some staff, alternating work for others, and the adjustment of working hours (8 a.m. to 1 p.m. instead of 8 a.m. to 5 p.m.) for the rest of the on-site staff;
- return to normal working hours from 03 July 2020;
- leave of absence for some staff; prohibition of visits; videoconference meetings;
- Sending and receiving mail by electronic means exclusively outside of correspondence of a strategic nature;
- processing of service provider statements as in the past.

## On the building site level

- setting up clean facilities for regular hand washing with soap ;
- provision of hand disinfectants, masks and tissues to workers;
- regular cleaning of the premises and work tools ;
- reminder of the barrier gestures recommended by the health authorities during unavoidable gatherings.
- Systematic disinfection of manual toll cards before and after the journey (motorway operation, closed toll plazas).

# 5. Lessons learned in crisis management (2/2)

## In the transport sector

- Authorisation to transport construction materials despite the state of emergency, which prevented the road works from being halted.
- payment by the State of a large part of its arrears to service providers (companies and control offices) involved in road infrastructure projects
- subsidy to public transport companies (Dakar Dem Dikk, AFTU)
- subsidy to private transporters (urban and interurban)
- gradual reopening of interurban transport from the beginning of June, following violent demonstrations by drivers who had been affected by the stoppage of their activities

## Contract management and calls for tenders

- claims for delays and compensation from affected companies citing the case of force majeure
- the Covid-19 crisis is not considered a case of force majeure. However, consultation has been favoured in order to fairly deal with its impact on contract execution.
- Authorisation to submit tenders by electronic means for certain procedures such as expressions of interest.

## 6. The POST-COVID Recovery Plan 19 (1/2)

- 29 September: Presidential Council on the Adjusted and Accelerated Priority Action Plan (PAP2A) for the recovery of the national economy, chaired by President Macky Sall.
- Senegal has identified in the PAP2A, 5 key sectors to revive its economy, shaken by the coronavirus (contraction of -0.7% of the economy in 2020):
  1. An abundant, good quality and resilient intensive agriculture;
  2. An inclusive health care system and strengthened social protection;
  3. An efficient education system ;
  4. Development of a strong national private sector ;
  5. Industrial and digital transformation.
- Global financing of 14,712 billion FCFA (22.428 billion euros), 32.4% from the national public and private sectors and remaining 67.6% from development partners.
- 5-year period: 2019-2023
- PAP2A objectives: GDP growth of around 5.2% in 2021, 7.2% in 2022 and 13.7% in 2023, which is Senegal's first double-digit growth rate, with the exploitation of oil and gas resources.

source: <https://www.financialafrik.com>.

## 6. The POST-COVID Recovery Plan 19: Investment in the transport sector (2/2)

	<i>State</i>	<i>Technical and Financial Partners + Public Private Partnership</i>	<i>TOTAL</i>
<b>1. ROAD INFRASTRUCTURES</b>			
<i>Amount (in Euro)</i>	<b>544,794,946</b>	<b>1,673,780,488</b>	<b>2,218,575,435</b>
<i>%</i>	<b>25%</b>	<b>75%</b>	<b>100%</b>
<b>2. ROAD TRANSPORT SERVICES</b>			
<i>Amount (in Euro)</i>	<b>176,305,616</b>	<b>1,086,055,842</b>	<b>1,262,361,458</b>
<i>%</i>	<b>14%</b>	<b>86%</b>	<b>100%</b>
<b><i>TOTAL (in Euro)</i></b>	<b>721,100,563</b>	<b>2,759,836,330</b>	<b>3,480,936,893</b>
<b><i>%</i></b>	<b>21%</b>	<b>79%</b>	<b>i.e. 15.5% of the PAP2A budget</b>

source: Ministry of Land Transport Infrastructure and Opening-up (MITTD).

# Questions & Answers

Moderator: Pascal Rossigny

CEREMA, France

French-speaking Secretary TC 3.3



# Our speakers today

- **Patrick Malléjacq**
  - Secretary General, PIARC
- **Emmanuelle Frénéat**
  - Egis Road Operation, Managing Director
- **Dominique Verlaine**
  - Belgium, Inspector General, Public Service of Wallonia, infrastructure mobility, Department of Infrastructure Operations
- **Djan Fanny**
  - Côte d'Ivoire, Expert Transport Economist, Road Management Agency
- **Mohamed Laye**
  - Senegal, Head of the Division of Major Road Works, AGEROUTE
  - Member of Committee 1.1 - Performance of Transport Administrations
- **Pascal Rossigny**
  - France, CEREMA
  - French-speaking Secretary of Committee 3.3 – Asset Management

# Conclusion and Next Steps



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## Disclaimer of liability

Since time is of the essence, it is likely that knowledge and practice that is shared will not have been officially approved by each country's official authorities.

**“The ideas and examples shared here are for illustration only. They do not necessarily represent official policy. Ideas presented will be subject to further evaluation and use in deriving recommendations on policy and practice in due course. While care has been taken in the preparation of this material, no responsibility is accepted for any damage that may be caused.”**

# Next Steps

- **Continue updating the COVID-19 webpage of PIARC**

<https://www.piarc.org/en/News-Agenda-PIARC/Coronavirus-PIARC-and-Covid-19>

- **We conducted a detailed online survey**
  - Analysis in progress
- **An in-depth report is planned for December**
- **More PIARC webinars are scheduled to begin on September 30.**
  - In Spanish, English, French
- **Assess the measures put in place in emergency situations**
  - What worked, What didn't work, Why?
  - Sharing best practices
- **Be vigilant : How is the "new normal" different (if at all)? What are the expectations of users?**

# The PIARC intervention team



## Summary of the Terms of Reference

- To explore rapid sharing of knowledge and practice between PIARC members on COVID-19 impacts, responses & associated socio-economic crisis
- To propose and implement short-term actions to support PIARC members and transport professionals in COVID-19 mitigation and response
- To track the course of COVID-19 over time and advise on further actions to be taken by PIARC and others during the crisis and into the recovery
- To advise on medium- and long-term implications of COVID-19 on the roads and transport sector and how these should be reflected in PIARC activities

Currently established to 31st December 2021, extendable as required

## Current Membership

- Patrick Mallejacq, Secretary General, PIARC (Chair) (FR)
- Christos Xenophontos, Rhode Island DOT, TC 1.1 Chair (USA)
- José Manuel Blanco Segarra, Ministerio de Transportes, Movilidad y Agenda Urbana, TC 1.1 Spanish Secretary (ES)
- Jonathan Spear, Atkins, TC 1.1 WG 2 Leader (UK)
- Fabio Pasquali, ANAS S.p.A., TC 1.2 Chair (IT)
- Caroline Evans, National Transport Commission, TC 1.4 Chair (AU)
- Yukio Adachi, Hanshin Expressway Engineering Co, TC 1.5 Chair (JP)
- Andrea Simone, University of Bologna, TC 2.1 Chair (IT)
- Luis Miranda-Moreno, TC 2.1 Spanish Secretary (CA)
- Martin Ruesch, Rapp Trans Ltd, TC 2.3 Chair (CH)
- Valentina Galasso, Deloitte Consulting, TC 2.4 Chair (IT)
- Pascal Rossigny, CEREMA, TC 3.3 French Secretary (FR)
- Saverio Palchetti, ANAS S.p.A., TF 3.1 Chair (IT)
- Andrea Peris, Paraguay National Committee (PY)



# PIARC Webinar

## COVID-19

28 October, 2020

**Thank you very much for your attention!**

**Visit the PIARC & COVID-19 page**

**#PIARCCOVID19**