



# COVID-19 Online Discussion Session

**29 April 2020, 13 h (Paris time)**

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

- **Participants' microphone and camera should be turned off**
- **Use the “Chat” feature of Zoom (bottom right of the main window)**  
⇒ Send a message to “All participants” (this is one of the “chat” options)
- **Note: only questions that are specific to roads or road transport**
- That channel is monitored by Christos Xenophontos (Chair of PIARC TC 1.1)
- Christos will raise the questions to relevant panelists

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# About your Name in Zoom

- **We invite Participants to name themselves accurately:**
  - Name and Surname
  - Country

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# This session is being recorded

- The resulting video will be shared on [www.piarc.org](http://www.piarc.org)

# Disclaimer

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.”**

# Key Concept: Focus on the short-term.

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

- **Share knowledge and current practice between PIARC members urgently in order to support responses to the pandemic in near real-time.**
- Such knowledge and current practice are not yet confirmed as valid or effective, and what works in some parts of the world may not be relevant elsewhere.
- However, inspiration can be found anywhere, and a good idea now could save lives, improve business resilience and could minimize disruption of services.
- Note: In parallel, PIARC is planning medium- and long-term actions for when the pandemic is in a manageable state and substantially under control.

# PIARC COVID-19 Response Team



## Summary Terms of Reference

- To explore rapid sharing of knowledge and practice between PIARC members in respect of COVID-19 & associated socio-economic crisis
- To propose and implement short-term actions to support PIARC members and transport professionals in 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 tackled and studied

Currently established to 1<sup>st</sup> December 2020, 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 Acuity, TC 1.1 WG 2 Leader (UAE/UK)
- Valentina Galasso, Deloitte Consulting, TC 2.4 Chair (IT)
- Yukio Adachi, Hanshin Expressway Engineering Co, TC 1.5 Chair (JP)
- Saverio Palchetti, ANAS S.p.A., TF 3.1 Chair (IT)
- Caroline Evans, Arcadis Australia Pacific, TC 1.4 Chair (AU)
- Martin Ruesch, Rapp Trans Ltd., TC 2.3 Chair (CH)
- Andrea Peris, Paraguay National Committee (PY)

For more information, contact [info@piarc.org](mailto:info@piarc.org)

# Agenda and Structure

- **Brief introduction to PIARC**
- **Issues faced by Road Operators and Administrations**
  
- **Presentations on the Current Situation:**
  - Poland's Response to the COVID-19 Crisis
  - Contractors Professional Associations' Response to COVID-19
  - First impacts of COVID19 on Switzerland's travel
  - COVID-19 Impact on Transportation in Japan
  
- **Q&A**
- **Conclusion and Next Steps**



# Our Speakers today

- Patrick Malléjacq – Secretary General, PIARC
- Szymon Piechowiak – Deputy Director at GDDKiA, Poland
- Michel Demarre – SEFI-FNTP Senior International Advisor
- Prof. Kay W. Axhausen – IVT ETH Zürich, Switzerland
- Jun Takeuchi – Japan, Technical Advisor at PIARC General Secretariat

# Introduction

## What is PIARC?



# 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 goal is to organise exchange of knowledge on all matters related to roads and road transport

# PIARC's Four key missions

- Be a **leading international forum for analysis and discussion** of the full spectrum of transport issues related to roads and related transport;
- Identify, develop, and disseminate **best practice** and **give better access to international information**;
- Consider within its activities the needs of **developing countries and countries in transition** fully; and
- Design, produce, and promote **efficient tools for decision making** on matters related to roads and related transport.
- The Association mobilizes the expertise of its members
- Through operations guided by a **4-year Strategic Plan**



# COVID-19

## Issues faced by Road Operators and Administrations



# PIARC has tentatively structured the situation around Six Key Issues

- Issue 1: Ensuring employees' health and safety In general
  - Issue 2: Maintaining activity and business continuity
  - Issue 3: Impact on transportation
  - Issue 4: Business Relations
  - Issue 5: Customer and stakeholder relations and joint working
  - Issue 6: Security
- 
- They were presented in more detail during our previous webinars.

# A first synthesis Note is available

- This Note presents the emerging findings from the first four 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 from [www.piarc.org](http://www.piarc.org)
  - Free
  - In English, Spanish and French







# Webinar COVID-19

**Szymon Piechowiak**

Deputy Director in the General Director's Bureau  
Spokesman of GDDKiA

General Directorate For National Roads And Motorways  
(GDDKiA) - POLAND

Paris

April 29, 2020



# Introduction



## SZYMON PIECHOWIAK

Deputy Director in the General Director's Bureau  
Spokesman of GDDKiA

Started working at GDDKiA as the Head of the International Cooperation Unit. From March 2019 he is the Deputy Director in the General Director Bureau. Responsible, among others for international communication and cooperation. Spokesman of GDDKiA.

Earlier associated with the Ministry of Infrastructure and Construction Project manager of three EU projects. Coordinator of a project aimed to open the Swedish housing market to Polish construction companies.

Coordinator of a partnership project with Singapore which goal was to intensify the presence of Polish manufacturers of construction products on the market of Southeast Asia.

Also involved in the project of implementing the BIM (Building Information Modeling) methodology in public procurement in Poland.



# OUR GOAL & ACTIVITIES

Responsible for the **development of the road** infrastructure in Poland.

The **largest public investor** in terms of road investments in Poland.



# DEALING WITH THE PANDEMIC

**Contractors don't suspend the works on construction sites**, despite the restrictions associated with the Coronavirus. We are monitoring the situation on all sites and call on contractors to carry out construction works **in compliance with safety and sanitary recommendations**.



**Maintaining continuity** in the implementation of investments and announcing new tenders and signing subsequent contracts **is necessary to support stability in the construction market**, which in the current situation is **crucial for the entire economy**.



The joint report of the **Central Statistical Office and the National Bank of Poland** shows that in the **coming quarters of 2020** the contribution of **public investments** to maintaining GDP **will be crucial**. The level of **private sector investment** will continuously **decrease** due to the current epidemic situation.

**Information is the key.** We strive to ensure that our **contractors receive the latest guidelines** on an ongoing basis. Furthermore, in order to maintain the implementation of public investments, we **adapt to the situation and conditions, under applicable law**.



# DEALING WITH THE PANDEMIC



On **March 31, 2020**, a regulation was signed regarding the establishment of **specific restrictions, orders and bans** in connection with the **outbreak of the state of the epidemic**. The ordinance provisions **apply to workplaces**, such as **road construction or maintenance works**.



From **April 2, 2020**, the **employer** must **provide** employees with **additional security measures**. In addition, the workplace must provide a **distance between the employee or team of employees** during their work. The **minimum distance is 1.5 m**, unless it is impossible due to the nature of the activities carried out in the workplace, and personal protective equipment is provided.



Other sanitary recommendations and requirements, oblige the employer to **equip employees with disposable gloves or hand sanitizers**. Cloakrooms and social rooms are best used in rotation in smaller groups, keeping a minimum distance.

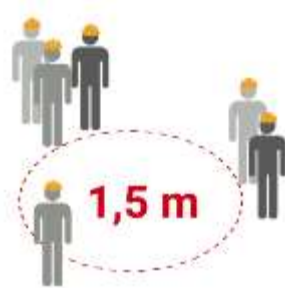


in vehicles with more than 9 seats

**Restrictions on public transport** also apply to **vehicles with more than 9 seats** (including the driver) **which bring people to work, e.g. on construction sites**. In such vehicles, every second seat must be free. **Employees on business trips and working professionally**, including on construction sites, **can still live in hotels**.



# DEALING WITH THE PANDEMIC



is the **minimum distance** between workplaces in which an employee or a team of employees performs work



**Hotels are still available** for people in delegations, including those working at the construction site



**Restrictions on collective transport** also apply to vehicles with more than 9 seats and bringing people to work, e.g. on construction sites



**Cloakrooms and social rooms** are best used on a rotational basis in smaller groups, keeping a minimum distance.



Other sanitary recommendations and requirements, oblige the employer to **equip employees with disposable gloves or hand sanitizers.**

# DEALING WITH THE PANDEMIC



We have **implemented recommendations and instructions** for making the **cooperation more flexible** between all parties of the contract.



Allowing derogations from contractual provisions, **we recommend remote contact via telephone and electronic correspondence.** This applies to both:

- **Project Managers and GDDKiA employees,**
- **Contract Engineers and Contractor's personel.**

We have implemented **instructions to improve cooperation** between all parties of the contract:

- **Letters sent by e-mail** will be **treated** as if they were **submitted in person,**
- The need to **sign the attendance lists** or requirements for **recording working time has been waived,**
- **Absences will not require immediate replacement.** The most important thing is to maintain the continuity of work for Contract Engineers and the Contractor,
- **Laboratory test requests** should be directed **to the laboratory's email address.** **Field reports and cards** should be **confirmed electronically,**
- **The transfer of construction sites** and related documentation should be **limited to electronic form.**



# DEALING WITH THE PANDEMIC



We have **implemented recommendations and instructions** for making the **cooperation more flexible** between all parties of the contract.

We have **changed the rules regarding the performance guarantee** and implemented instructions to **improve payment efficiency**:

- When signing the contract, the **Contractor may lodge a security of 3% of the contract value**, and **not 10% as before**, the remaining amount will be successively retained from current payments,
- The **guarantee has been reduced to 3%** of the contract value. This applies to the quality guarantee period,
- To improve financial flows, a **two-stage payment verification system has been introduced** for contacts based on **FIDIC**.

**Information meetings, arrangements and discussions are conducted remotely.**

This applies, among others, to:

- the **Technical Council** and **Construction Councils**,
- Meeting of **committees and evaluation teams** for investment projects, and if the need arises:
  - **Information meetings regarding investment preparation.**

# BORDER CONTROL

## on national roads

From March 15, 2020, international air and rail connections were suspended. Poles returning to the country and foreigners who were allowed to enter the country are subjected to a 14-day domestic quarantine. Road transport is maintained - buses, coaches, passenger cars are able to enter and leave Poland. Cargo transport is also operating normally since that day.

### BORDER CROSSINGS ON NATIONAL ROADS

	March 13, 2020 28 active border crossings	March 15, 2020 23 active border crossings	April 29, 2020 29 active border crossings
Belarus	4	3 ↓	4 ↑
Czech Republic	8	6 ↓↓	8 ↑↑
Germany	8	6 ↓↓	8 ↑↑
Lithuania	2	1 ↓	2 ↑
Russia Kaliningrad Oblast	2	2	2
Slovakia	2	2	2
Ukraine	2	3 ↑	3



# BORDER CONTROL

on national roads

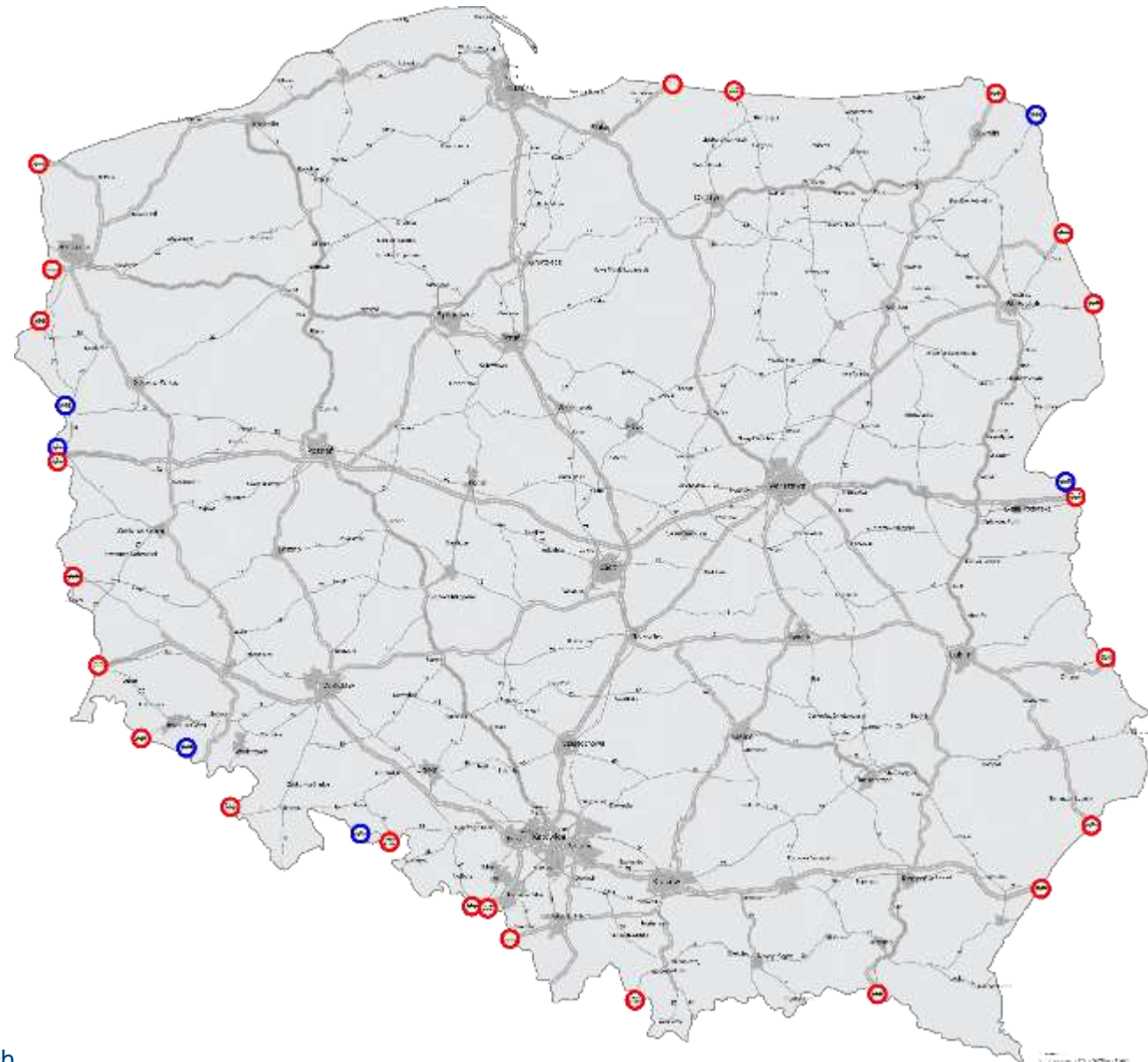
- Open on March 15, 2020
- Opened March 17-18, 2020

In terms of improving truck traffic for international transport **GDDKiA works, among others in cooperation and at the request of the Border Guard, voivodes, the Government Crisis Management Team, or the Police.**

As an Office, we try to **support and help the relevant services and administrative entities** in taking the **best possible actions** in this difficult situation.

**Current state of border crossings:**

<https://www.gddkia.gov.pl/pl/2436/Mapa-ograczen-na-przejsciach-granicznych>



# BORDER CONTROL

on national roads

## March 17-18, 2020



During the meeting of the Government Crisis Management Team, a decision was made to **open further border crossings and change the character of several already operating**. Thanks to this **traffic at border crossing points is now smoother and traffic jams created after restoring internal border control are unloaded**. The border with the **Czech Republic** can be crossed at **three new crossings**, and the border with **Lithuania** at an **additional crossing in Ogrodniki**. At **four road crossings with Germany**, the **range of traffic** has been extended.

## March 20, 2020



Vehicles carrying out **international road transport of goods** are **exempt from internal border control** (Germany, Czech Republic, Slovakia, Lithuania), **also from sanitary control**. Truck drivers on these borders can therefore pass through the crossings without stopping. **Documents and temperature are not checked**. Thanks to this simplification, **traffic jams at borders have decreased significantly or been completely unloaded**.

## March 23, 2020



**Faster border controls in Kołbaskowo** (Germany) thanks to the **new lane between the A6 roads**

Implementation of this element **within a few days allowed to improve border control**. In the future, **the lashing secured with detachable barriers will be useful in emergency situations**, and it can also be used in renovations to divert traffic from one road to another.

# TRAFFIC VOLUME



We analyzed **traffic in March 2020** and compared it with traffic in the **same period in previous years**.

A **significant decrease in passenger vehicle traffic** only indicates that the restrictions associated with the state of the epidemic are respected.

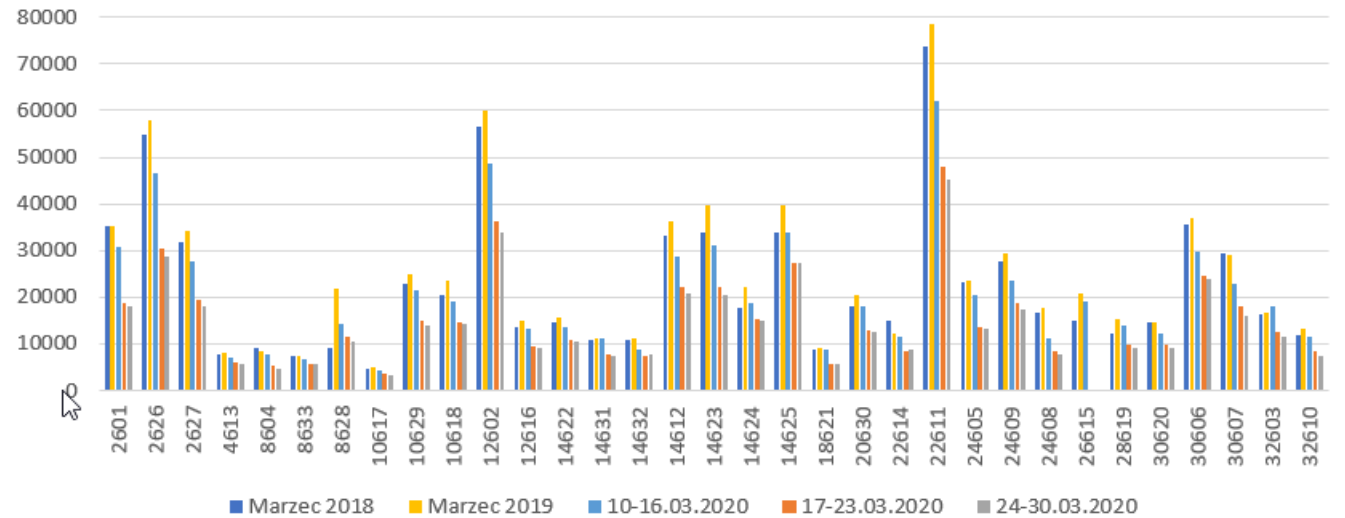
**Heavy vehicles that are able to move freely still remain high compared to other.**

The analysis was **accurate thanks to the electronic toll collection system**. For analysis, data from **33 such positions**, located on key roads for the country were used.

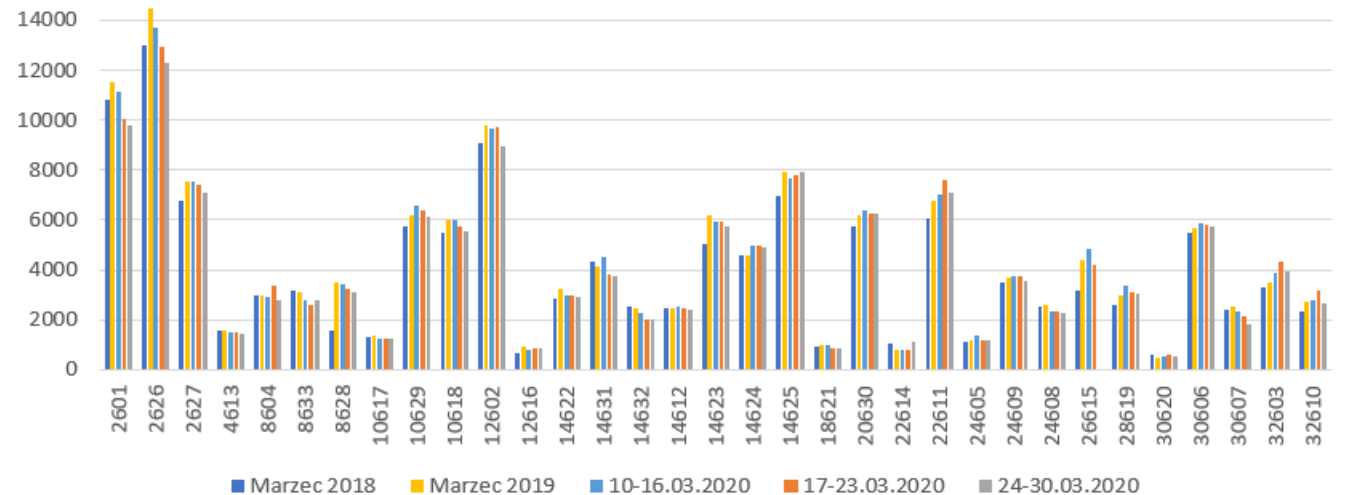


We examined traffic data for the period of **March 10-31**, and we compared them with the **average week of March from 2018 and 2019**.

## All traffic



## Heavy vehicles traffic



# REST AREAS

## 230 Travelers' Service Points



Category III

leisure function and service, equipped with facilities referred to in category II, accommodation facilities and other commercial and service facilities depending on the needs.

18



Category II

with leisure and service functions, equipped with facilities referred to in category I, as well as a petrol station, vehicle service stations, gastronomic and commercial facilities, tourist information points.

72



Category I

with a recreational function, equipped with parking spaces (parking lot), shunting roads, leisure and sanitary devices and lighting; equipment is allowed in small gastronomy facilities.

140





# REST AREAS



We ensured that **all adequate sanitary conditions at Travelers' Service Points (TSP)** and gas stations located on expressways **are met**, to allow them to **operate and be accessible to travelers.**



We allow **some of the facilities to be temporarily closed**, but only **for the time of disinfection.** Water and soap are available in TSP's toilets.



**Disinfectants are also available at gas stations in the customer area.** **Sales are carried out** in accordance with the recommendations of the Minister of Health and sanitary and epidemiological services, **sometimes only through the window for night sales.**



**In situations of closed toilets or lack of deficiencies (e.g. soap),** we have launched an **online application form for reporting such situations** via our website.



In addition, due to the fact that the **majority of TSPs are leased**, they are **controlled by GDDKiA local parts.**

# ROAD SAFETY

## FATAL ROAD ACCIDENTS



The **total number of fatalities** on all road categories in 2019 was 2,909 victims. Based on **preliminary statistics** published by the **Road Traffic Bureau of the Police Headquarters**, from **January 1 to March 18, 2020**, **41 people were killed** on Polish roads **less than in the same period last year**.

In **February 2020**, we had **27 victims less** than in February 2019. In **March**, we have **17 victims less** compared to the previous year.

Due to the system in which the larger data is recorded, **information on events from April will be known at the end of May**.

Unfortunately, **according to media reports**, **until April 23 this year** there have already been **a similar number of fatal accidents**, as during the **whole of April 2019**.

**The number of driving licenses** detained for speeding **has also increased significantly**. By April 23, **267 driving licenses had been detained** for speeding in built-up areas above 50 km / h. In all of April last year, there were 140 such cases.

# ROAD SAFETY

## CURRENT ROAD MAINTENANCE



One of the **basic obligations of GDDKiA** is to **maintain national roads, including road safety**, regardless of the circumstances. **The safety of our road users is a priority for us**, so we can't afford a reduced fare or mitigating circumstances.

Therefore, **maintenance work that is not actually necessary at present can be postponed**. However, there are tasks that are associated with maintaining **road safety** and which **can not wait**. Among them:

- **securing road events**,
- cooperation with **incident services**,
- activities related to **unforeseen events** such as **weather breakdowns, construction disasters**.

**These works should be carried out in accordance with concluded contracts** and to the extent ensuring road safety of infrastructure users remaining under the management of GDDKiA.

At the same time **we ensure that acceptance procedures and payments**, for contracts regarding the road maintenance take place **as soon as possible**. This approach will **ensure that the funds due to contractors** can be **transferred immediately after the acceptance procedure is completed**.

# DEALING WITH THE PANDEMIC



The goal of our activities is further, possibly uninterrupted **implementation of road investments**, which is an **opportunity for the economy of our country**. By **applying flexibility** in the approach, **under applicable law**, and adapting activities to the current situation and conditions, **we will be able to sustain the implementation of those investments**.

**All pending tender procedures will be conducted in accordance with the assumed schedules**, and new procedures will be announced in accordance with the assumptions presented at the beginning of 2020.

Our responsibility is to **allow companies to be able to acquire further contracts**, thus **building their economic and strategic stability**. GDDKiA employees work remotely to **ensure continuity of the institution's tasks**, including announcing and conducting tender procedures and signing contracts, even by correspondence.

The only noticeable problem is the **limitation of the available workforce due to the outflow of employees** to their native countries. Such situations will occur, among others in the case of **contracts carried out with the support of employees from Ukraine, Belarus, Egypt and Italy**.



# DEALING WITH THE PANDEMIC



# Thank you for your attention!



**Szymon Piechowiak**

Deputy Director of the General  
Director's Bureau

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





# Contractors Professional Associations' Response to Covid-19

**Michel Démarre**

SEFI-FNTP Senior International Advisor

Paris

29 April 2020





# Introduction



- Worked with the French govt for 20 years; last 30 years with private sector (road construction)
- Past-president of EIC (European Intl Contractors; 2008-2012)
- Advisor to SEFI (French Assn of Intl Contractors)
- Longtime member of PIARC (since 1989)
  - Participated in 3 Technical Committees since 2004
  - President of the French Natl Committee (2008-2012)
  - Currently French-speaking secretary of TF 1.1 on Well-Prepared Projects
- I will make this presentation on behalf of CICA

# CICA

## Confederation of International Contractors' Associations

- Head office in Paris
- Members are regional or national associations as well as individual companies
- Detailed information at [www.cica.net](http://www.cica.net)
- CICA has been collecting Covid-19-related information from their members and others since March 25
- Global benchmark is updated twice a week
- <http://www.cica.net/cica-covid-19-overview/>



CICA General Assembly Seoul May 2019



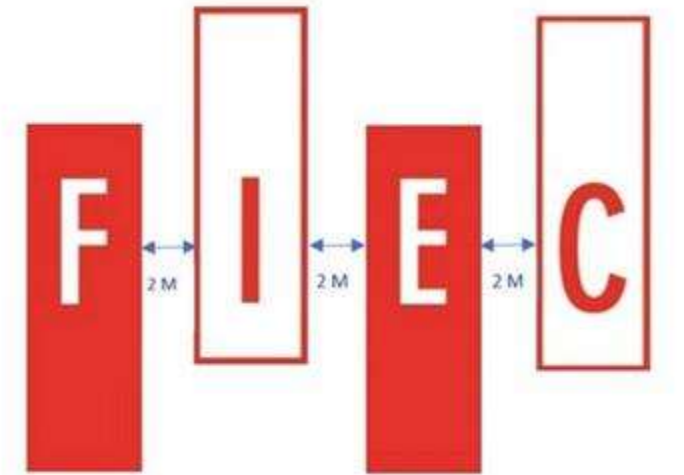
# 1. Ensuring employees health and safety

- 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-fitters,...)
- Also differences urban/rural environment, building/infrastructure
- PAs have organized training sessions (mainly aimed at SMEs), pilot jobsites



# Main results of the benchmark

- Many similarities, some differences (e.g. social distancing varies from 1m to 6feet)
- Main issues are:
  - Availability of face masks, sanitizers, appropriate IPE
  - Appropriate water supply (for handwashing, cleaning) in some countries
  - Equipment for subcontractors
  - Transport (individual transport instead of van)
  - Workers accommodation and canteen
  - Training of foreign workers in some countries: " How do you say social distancing in swahili? "
  - Temporary measures to last for a while (available vaccine?)



Social Distancing Saves Lives





## 2. Maintaining activity and business continuity

- Situation varies in different countries from almost complete stop to limited activity
- Not only a contractor's issue; in addition to above-mentioned issues and availability of the contractor's staff:
  - activity may be hindered by short supply of materials, equipment, logistics
  - activity may be stopped by clients (not ready or willing to resume work)
- Huge amounts of money made available to all sectors to fight recession: deferral of taxes, loans, etc.
- As and when work resumes progressively, business continuity faces the dilemma of urgent preparation of future tenders confronted with the risk of Covid-19 possible second wave.
- Complex situation requires a dialogue between all stakeholders (State, client, contractor, engineer, suppliers, supervisors, etc)



## 3. Business relations 1/2

- With clients: cf April 15 webinar and suggestions (debatable) by Fabio Pasquali (quote):
  - Economic support for additional costs (safety)
  - Partial advance of the contract value to contractors
  - Direct payment of subcontractors
  - Acceleration bonus for early work completion
  - Acceleration of procedures for approval of projects
- How to deal with current contracts
  - Concept of "force majeure": does not have the same meaning/consequences everywhere (applicable law)
  - Other possible contract clauses: unforeseen events, hardship (additional costs; extension of time)
  - FIDIC (International Federation of Consulting Engineers) have published a Covid-19 Guidance Memorandum (<https://fidic.org/sites/default/files/COVID%2019%20Guidance%20Memorandum%20-%20PDF.pdf> )
  - Caveat: "Expert legal advice should be obtained whenever appropriate"
  - Preferred option is always dialogue and cooperation between parties

## 3. Business relations 2/2

### ■ How to deal with future contracts

- Clients should continue to work and prepare new tenders
- Uncertainty surrounding future contract conditions (which additional costs to be included? What if second wave?)
- Special case of concession contracts (see April 8 webinar with Bill Halkias presentation)

### ■ With other stakeholders

- With staff: criminal responsibility of contractors. Communication (understanding of recommendations). Equipment – mobile phones, computers, cars)
- With nearby residents ("Why are these guys working while we are confined?")

### ■ Important role of PAs

- Drafting appropriate H&S recommendations; training
- Dialogue with workers associations (e.g. FIEC & EFBWW; see <http://www.fiec.eu/en/themes-72/covid-19.aspx> )
- Legal advice for their members (esp. SMEs)
- Material help (e.g. mask supply for SMEs)
- Lobbying (state, municipalities) for work investments to pick up quickly after work resumption



## 4. Security

- Work at home
- Cybersecurity
  - Phishing
  - Personal data protection



**Thank you for  
your  
attention!**

- Michel Démarre
- [demarrem@fntp.fr](mailto:demarrem@fntp.fr)

# First impacts of COVID19 on Switzerland's travel

KW Axhausen  
J Molloy  
C Tchervenkov

IVT  
ETH  
Zürich

April 2020

 Institut für Verkehrsplanung und Transportsysteme  
Institute for Transport Planning and Systems

**ETH**

Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



# Acknowledgements

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- The 1200+ volunteers !
- ASTRA for financial support
- The colleagues of the MOBIS project
- The colleagues at IVT and WWZ

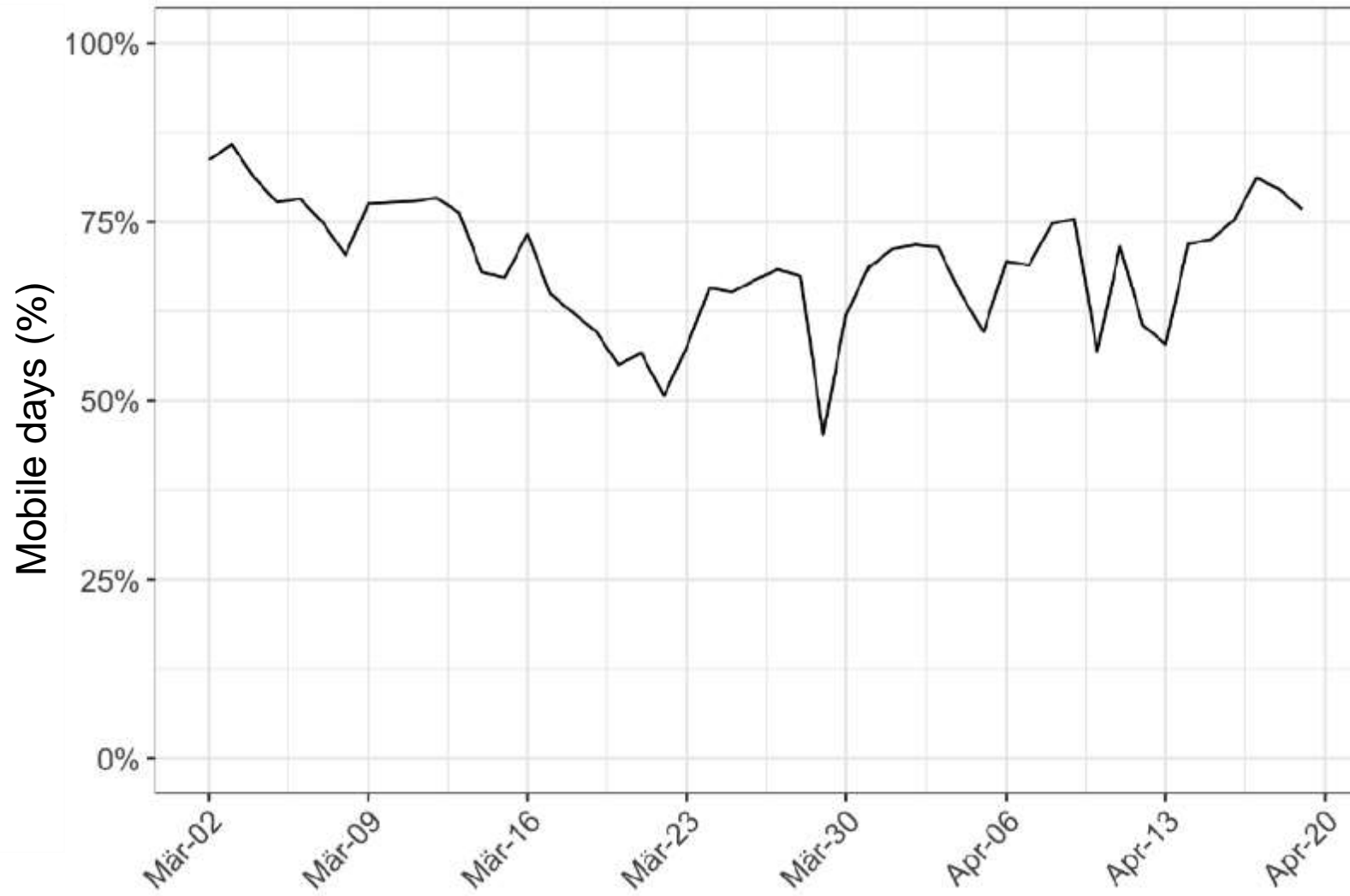
# Sample

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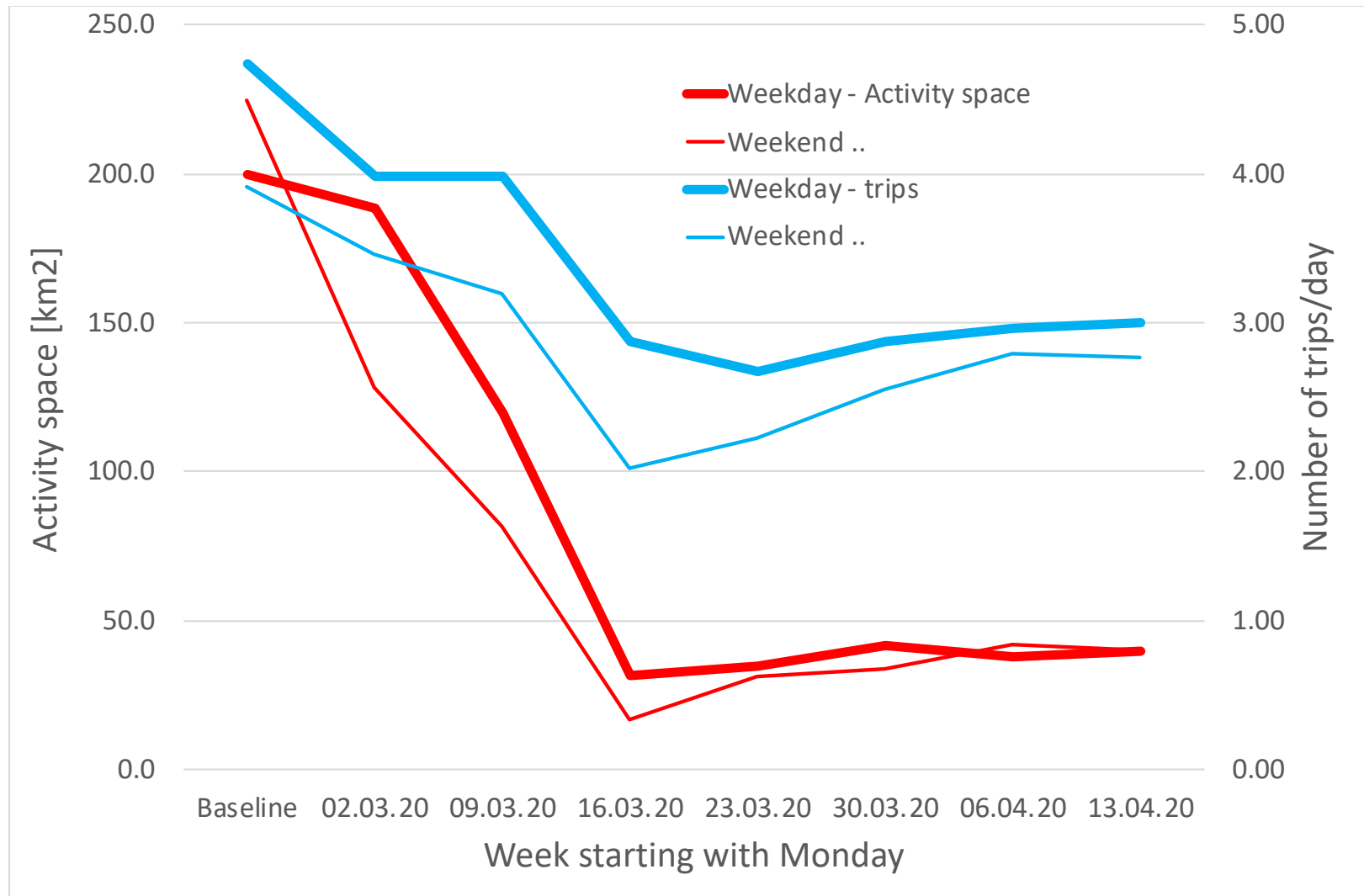
- Earlier mobility pricing study
- French and German speaking Switzerland
  
- 1200+ continue out of 3700 original ones
- No incentives for current phase
  
- Catch-a-day app (motion-tag, Berlin)

# Mobile persons per day

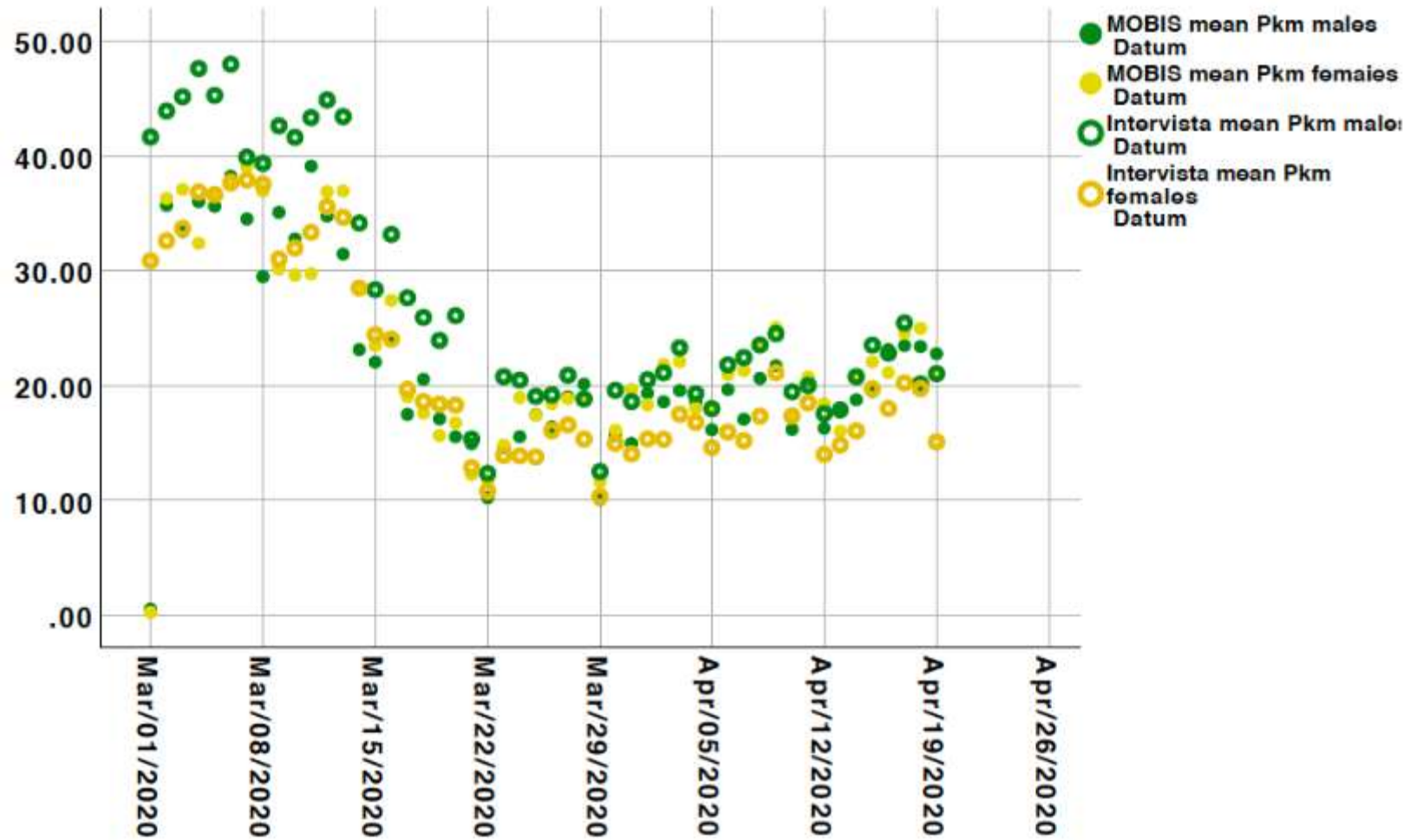
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# Number of daily trips and weekly activity spaces

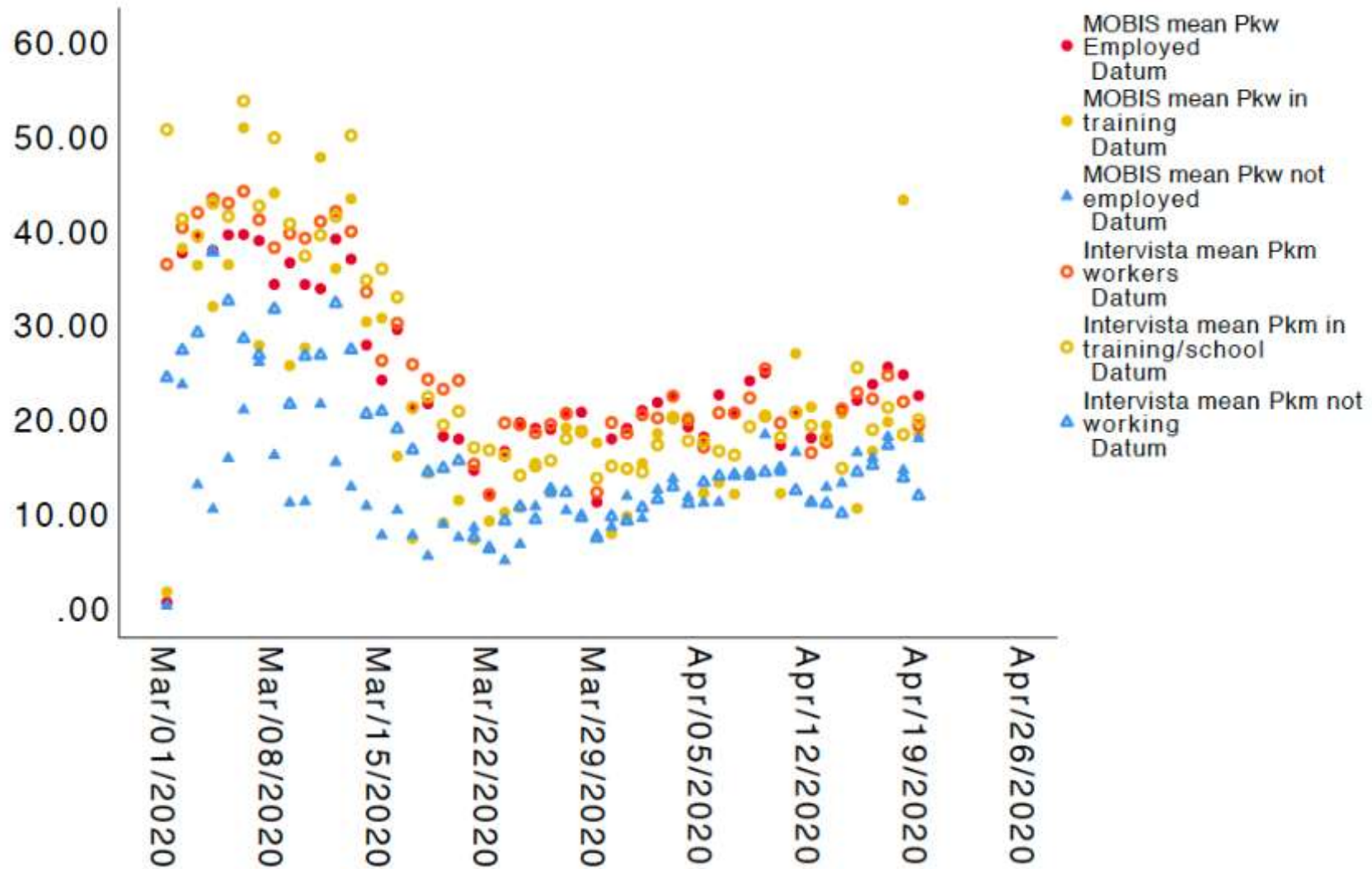


# PKm by gender in two studies

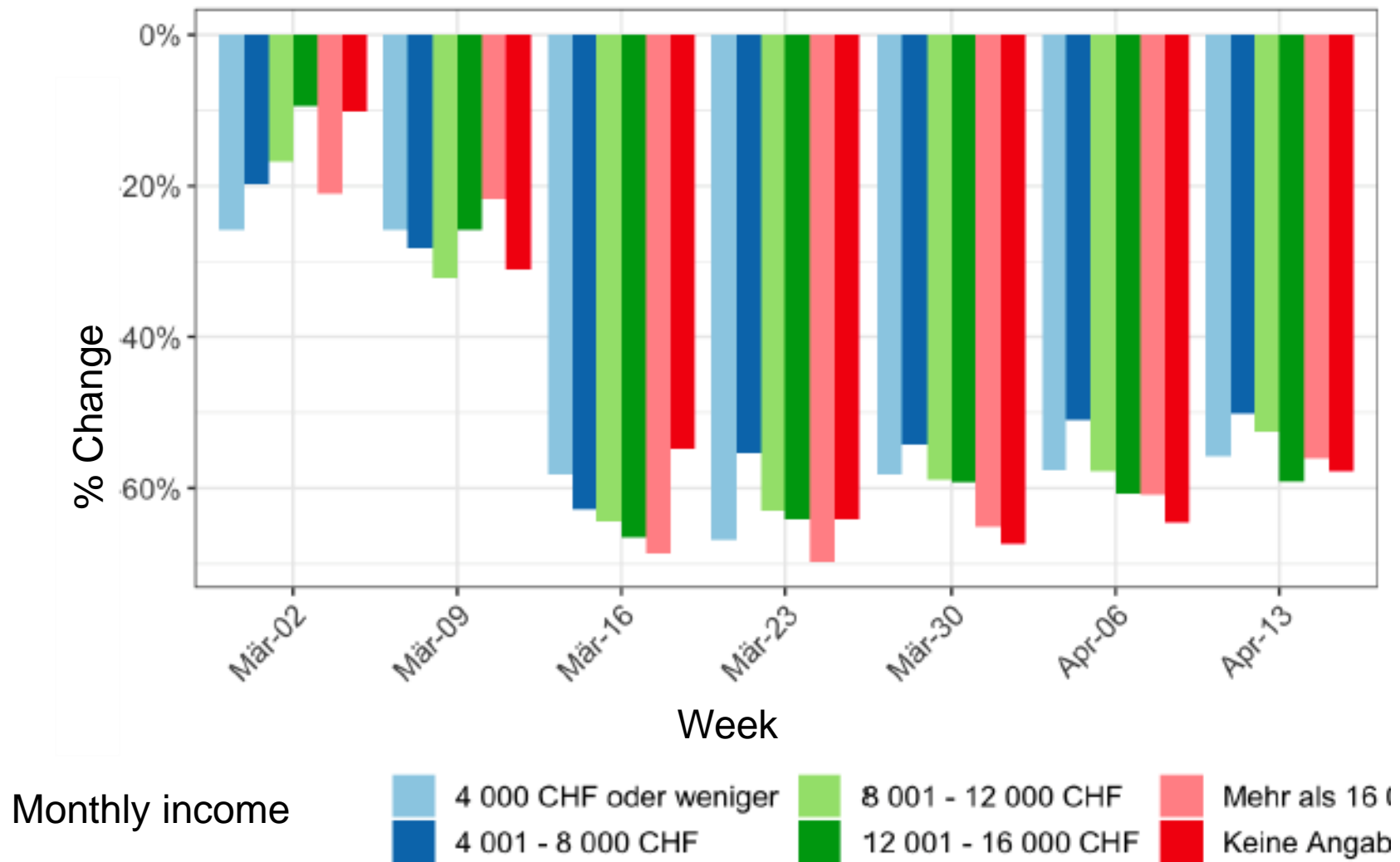




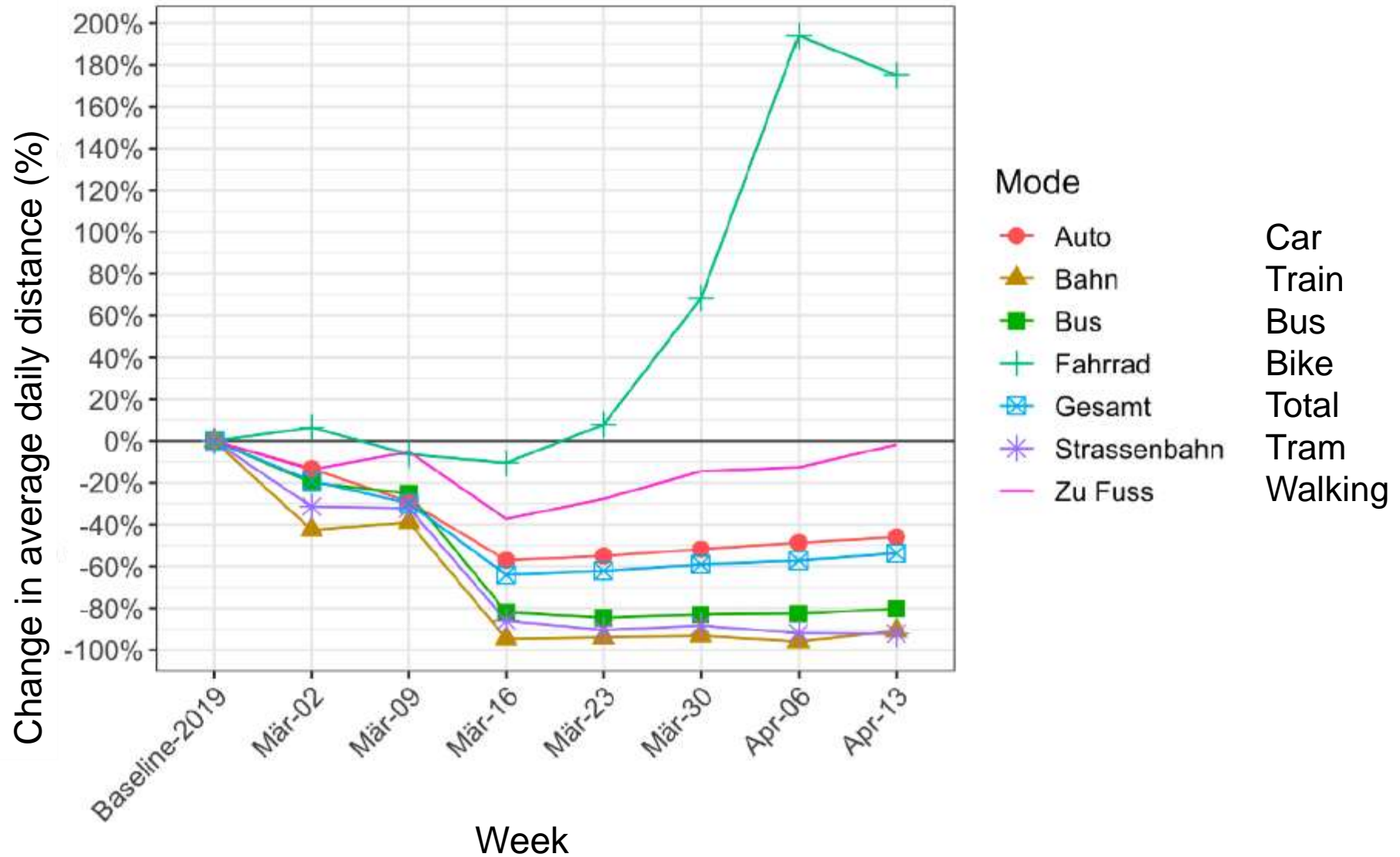
# PKm by employment in two studies



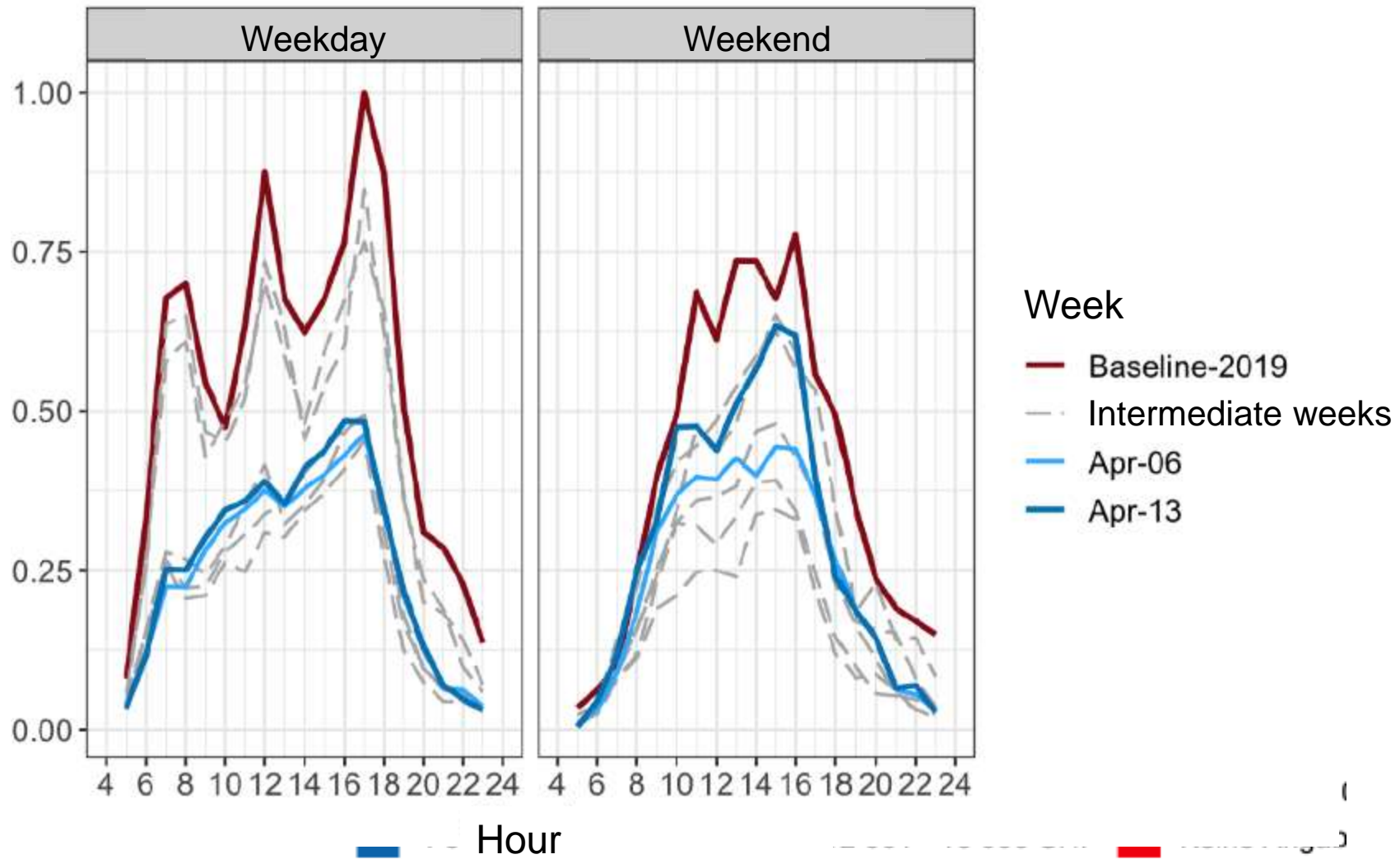
# Δ% of daily distances by income



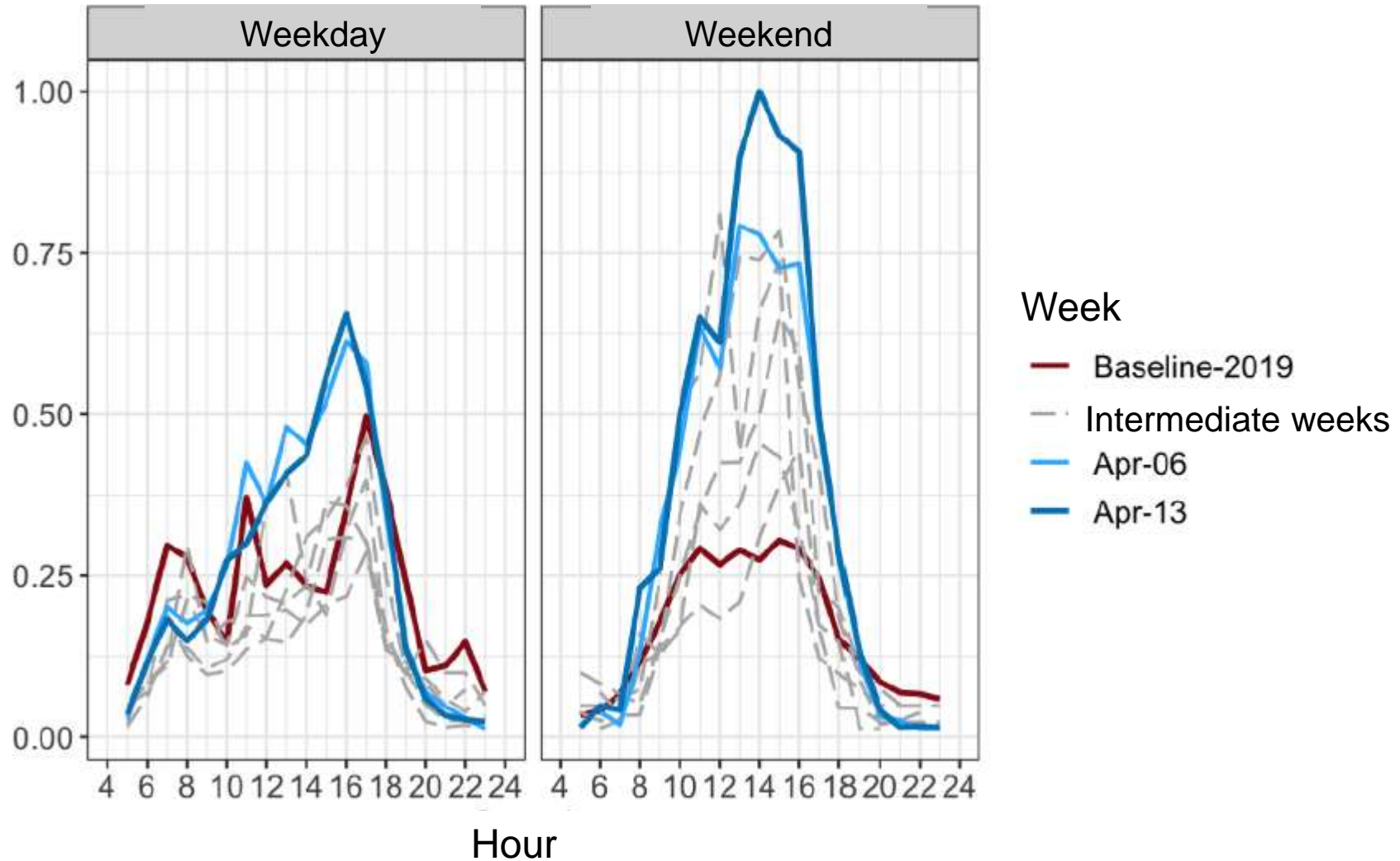
# Δ% of daily distances by mode



# Relative number of walks by hour of the day



# Relative number of cycle trips by hour of the day





# Outlook

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- Dynamic mode choice modelling
- Dynamic destination choice modelling
- Any on-going behavioural changes?
- Are preferences stable or not?

Questions ?

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**[ivtmobis.ethz.ch/mobis/covid19/](https://ivtmobis.ethz.ch/mobis/covid19/)**

**[www.ivt.ethz.ch](https://www.ivt.ethz.ch)**



# COVID-19 Impact on Transportation in Japan

**Jun TAKEUCHI**

Japan

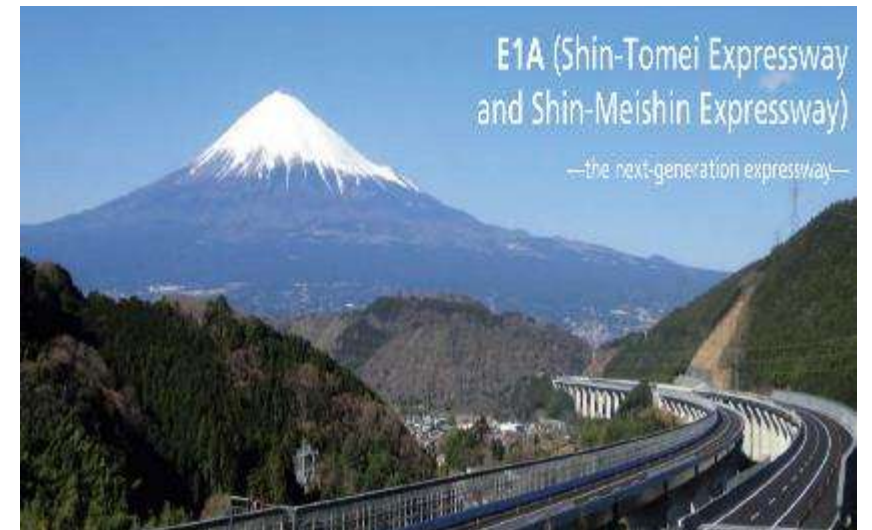
Webinar

April 29, 2020

# Profile

## ■ Jun TAKEUCHI

- Technical Advisor at the PIARC General Secretariat from November 2019
- Director of Human Resources Division and International Affairs Division, Central Nippon Expressway Company Limited (NEXCO-Central), Japan
- Civil engineer



# Confirmed cases in Japan

## Confirmed cases (by prefecture)



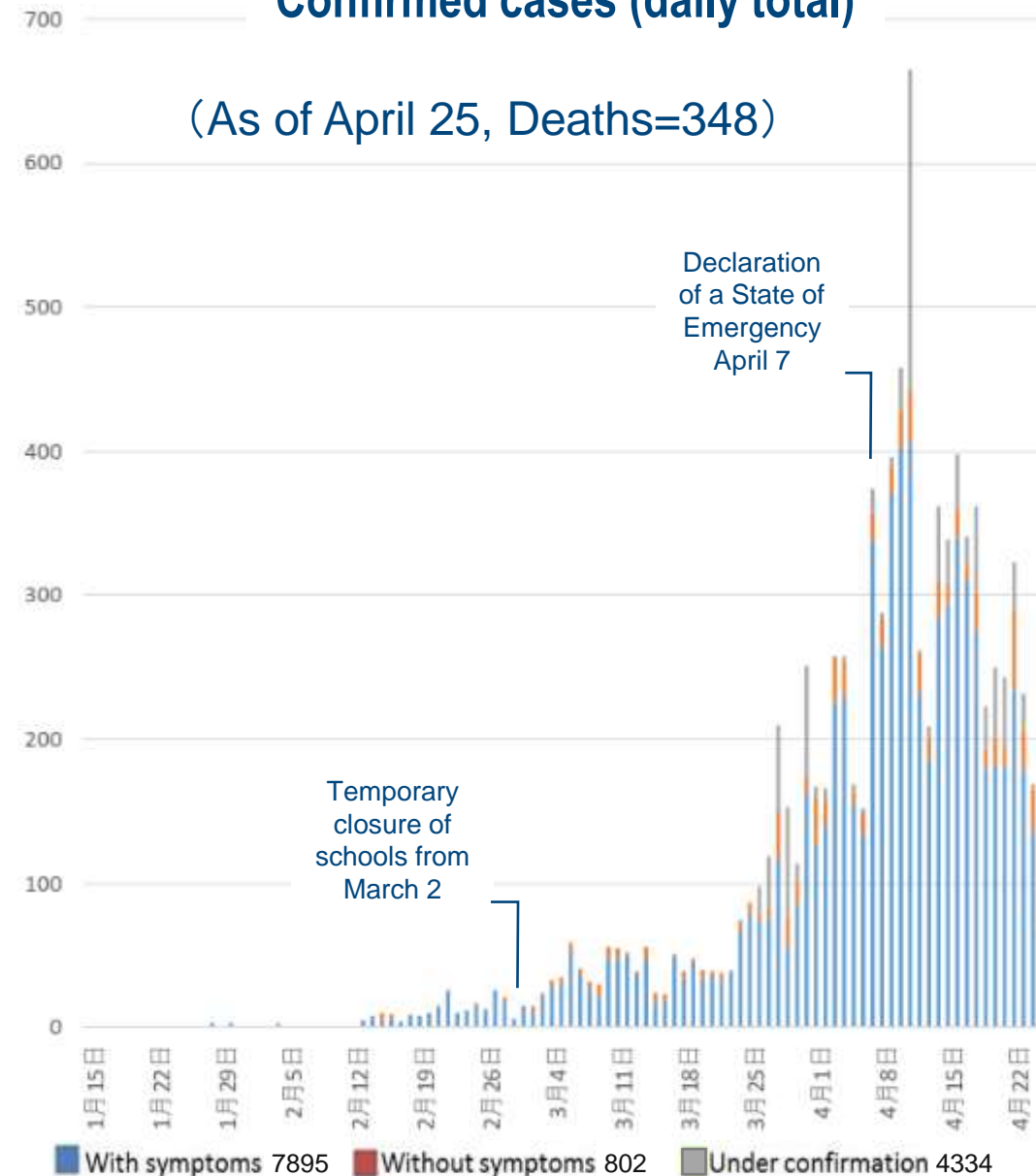
<https://mhlw-gis.maps.arcgis.com/apps/opsdashboard/index.html#/c2ac63d9dd05406dab7407b5053d108e>

- Cut the peak of newly infected cases and prevent the breakdown of medical system, through the approach called “Avoid the Three Cs”

\*3Cs: Closed spaces, Crowded places, Close-contact settings

## Confirmed cases (daily total)

(As of April 25, Deaths=348)





# Three Pillars of Basic Strategy to combat COVID-19 in Japan

## ■ Overall Goal:

- Maximization of suppression of transmission and
- Minimization of socio-economic damage

## ■ Three pillars:

1. Early detection of and early response to clusters
2. Enhancement of intensive care and securing of medical service system for the patients with severe infections, including medical equipment (Ventilator, ECMO, etc.)
3. Behavior modification of citizens (Avoid the “Three Cs” as much as possible)
  - Further set the target at 80% reduction of opportunities to meet people, and share the information of the target to citizens to achieve it
  - Publicized the reduction rate of people flow in downtown Tokyo based on GPS data of smart phones

Avoid the “Three Cs”! poster



Source:  
[https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/0000164708\\_00001.html](https://www.mhlw.go.jp/stf/seisakunitsuite/bunya/0000164708_00001.html)

# Declaration of State of Emergency (April 7, and April 16, 2020)

- From April 7 to May 6, 2020

Effective in 7 prefectures: Tokyo, Kanagawa, Chiba, Saitama, Osaka, Hyogo and Fukuoka

- April 16 to May 6, 2020

Effective in all 47 prefectures

- Overview of the State of Emergency

- The Act on Special Measures for Pandemic Influenza and New Infectious Diseases Preparedness and Response does not provide curfew.
- In case of Tokyo, residents are strongly requested to stay home, except essential activities such as receiving medical treatment, buying food, and going to work.
- Tokyo Metropolitan Government requested to suspend activities and the use of the facility of universities, cram schools, commercial facilities, halls, gyms, theaters, entertainment facilities, etc.

Initially declared for seven prefectures



Source: <https://www3.nhk.or.jp/nhkworld/en/news/backstories/1014/>

Reference:

[https://www.metro.tokyo.lg.jp/english/topics/2020/0410\\_00covid19.html](https://www.metro.tokyo.lg.jp/english/topics/2020/0410_00covid19.html)

<https://www3.nhk.or.jp/news/special/coronavirus/tokyo/>

# Behavior modification of citizens in Tokyo: Declined Traffic

## ■ People flow in Tokyo

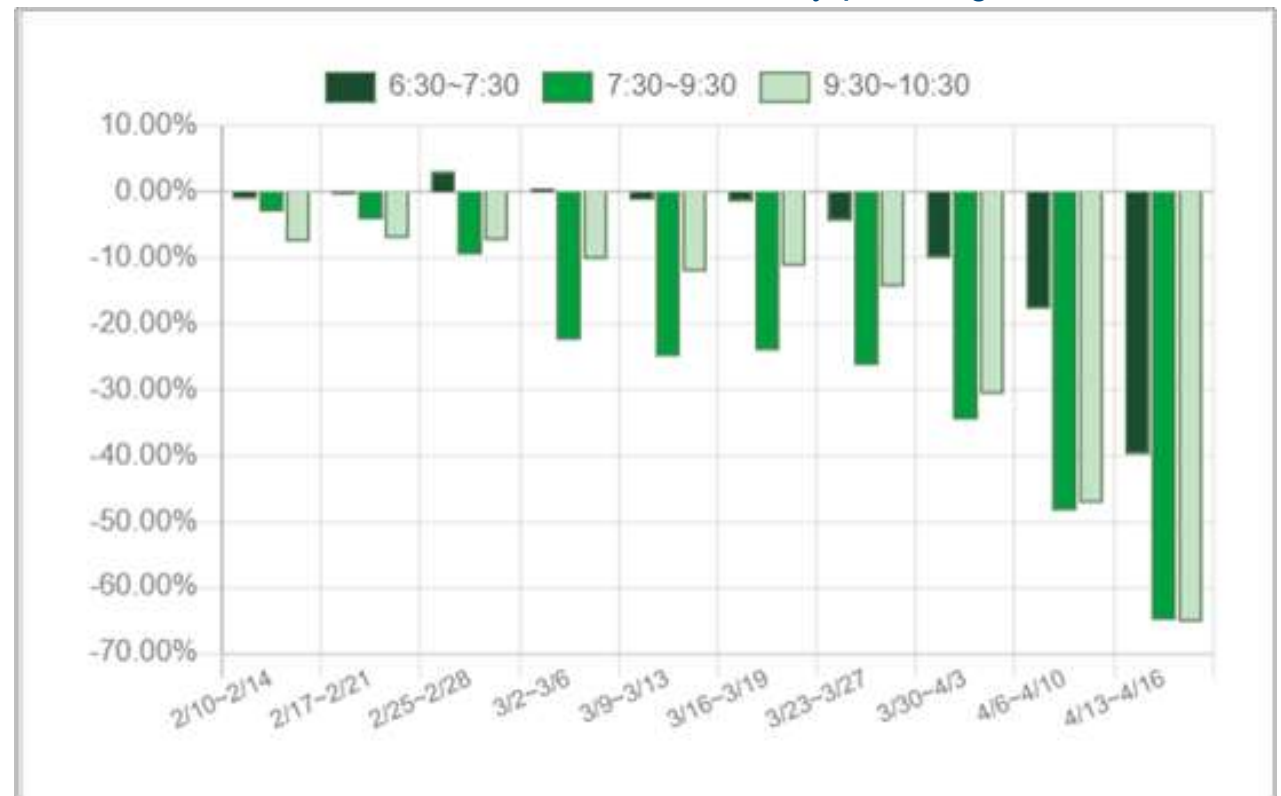
based on GPS location data of smart phones



Source: <https://corona.go.jp/>

based on ticket gate counter at railway stations

Estimated number of Toei subway passengers



Source: <https://stopcovid19.metro.tokyo.lg.jp/en/cards/predicted-number-of-toei-subway-passengers/>

# Behavior modification of citizens in Tokyo: Declined passengers

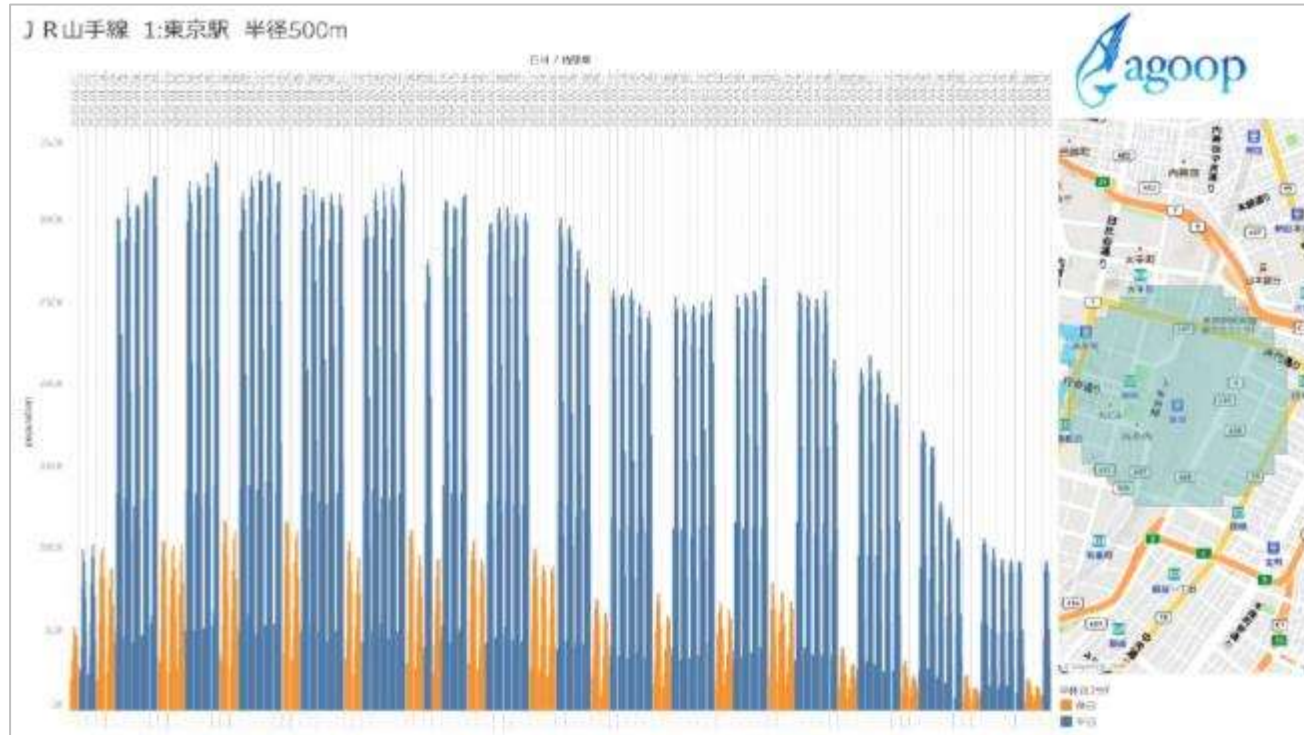
## ■ Passenger Decrease at Tokyo Station

based on GPS location data of mobile phones

**Tokyo Station**

**↓50.8%**  
than before the  
Declaration

**↓74.5%**  
than before the  
infection spread



Data provided by Agoop Corp.

based on ticket gate  
counter at railway stations

**JR Tokyo Station**

**↓86.0%**  
than last year

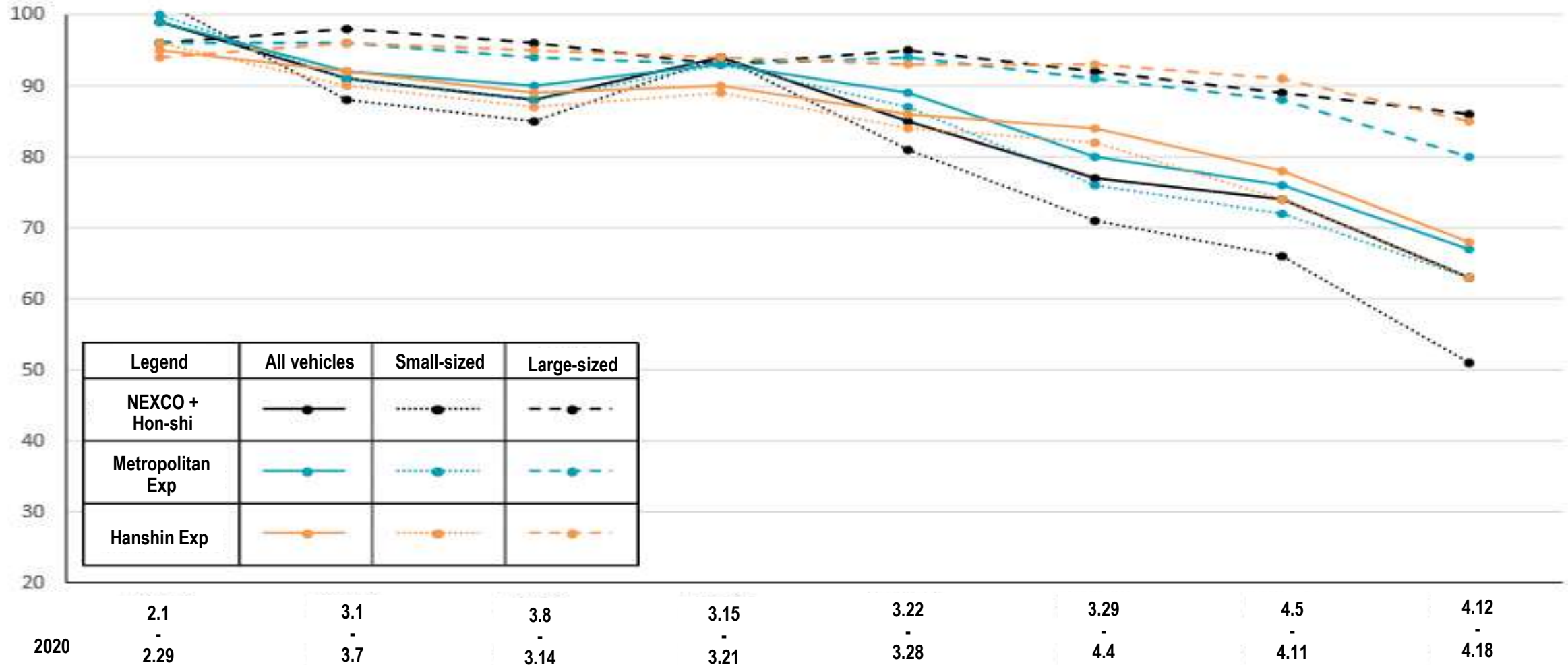
April 19, 2020

Source: <https://corona.go.jp/>



# Road Traffic at Major Sections on Expressways Nationwide (compared to the previous year) [by week] as of April 21, 2020

From the previous year (%)





# Chart of measures against COVID-19 infections

	MLIT	Expressway Company	Local government
Employee Management	<ul style="list-style-type: none"> <li>Reduce commute of employees Organization with office in initially designated prefectures: Aiming at 70% of staff work at home Others: 50% of staff work at home</li> <li>Anti-cluster measures Reduce infection risks, establish reporting procedure on infected staff, establish back up system, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Promote telework, etc.</li> <li>Disseminate infection prevention measures</li> <li>Implement thorough infection prevention measures</li> <li>Anti-cluster measures (in Kanazawa)</li> </ul>	<ul style="list-style-type: none"> <li>Reduce commute of employees</li> </ul>
Business Continuity	<ul style="list-style-type: none"> <li>Actions based on declaration of state of emergency</li> <li>Requests, etc. related to business continuity based on declaration of state of emergency</li> <li>Actions of roadworks and services contracts based on declaration of state of emergency</li> </ul>		
Maintenance and management of expressways, public works, etc.	<ul style="list-style-type: none"> <li>Measures for the infection cases at roadwork sites, etc.</li> <li>Measures for suspending roadworks and services</li> <li>Measures for the land acquisition works</li> </ul>	<ul style="list-style-type: none"> <li>Measures for the infection cases at roadwork sites, etc.</li> <li>Measures for suspending roadworks and services.</li> </ul>	
Various measures	<ul style="list-style-type: none"> <li>Approaches to promote voluntary restraint of cross-regional trips</li> <li>Approaches to promote voluntary restraint of inter-prefectural trips [Common measure] Announcement at Roadside Stations, Service and Parking Areas (SA/PA), Expressway Bus Terminal [Common measure] Announcement of voluntary restraint of taking trips on VMS [Expressway measure] Suspending expressway toll discount during the Golden Week holidays (4/29 - 5/6) [Expressway measure] Requesting voluntary closing of restaurants at SA/PA during the Golden Week holidays (4/29 - 5/6) [Expressway measure] Public relations (Announcing on TV/radio broadcasting (Road Traffic Information Center, Highway radio), HP, SNS (Facebook, Twitter))</li> <li>Deal with logistics of heavy-vehicles relating to COVID 19 response as priority</li> </ul>		
	<ul style="list-style-type: none"> <li>Simplify process for occupying roads</li> </ul>	<ul style="list-style-type: none"> <li>Simplify process for occupying roads</li> <li>Publicize road traffic volume for major expressway sections (April 10-)</li> </ul>	<ul style="list-style-type: none"> <li>Simplify process for occupying roads</li> <li>Extend collection period of occupation fees</li> </ul>
Others	<ul style="list-style-type: none"> <li>[Roadside Stations, Service and Parking Areas (SA/PA), Expressway Bus Terminal]</li> <li>Disseminate infection prevention measures such as cough etiquette and to Tourist Information Center users, etc.</li> <li>Implement infection prevention measures such as placing antiseptic solution</li> <li>Disseminate "Prevention Measures against Coronavirus Disease 2019 (COVID-19)" (by the Minister of Health, Labour and Welfare) to employees, etc.</li> <li>Call for infection prevention measures, and promotion of telework, etc. to users</li> <li>Voluntary restraint of events</li> <li>Disseminate special measures of employment support grant</li> <li>Approaches based on "Analysis and Recommendations of the Response to the Novel Coronavirus (COVID-19)" by experts</li> <li>Support for securing masks (expressway companies: 2.89 million, Roadside Stations: 240,000)(as of April 22)</li> <li>Support for securing antiseptic solution (expressway companies: 3,645 liters, Roadside Stations: 1,215 liters) (as of April 22)</li> </ul>		
	<ul style="list-style-type: none"> <li>Transportation of returned Japanese citizens and those infected living overseas (Opening expressways for free, providing dedicated toilets and rest areas, etc.)</li> </ul>	<ul style="list-style-type: none"> <li>Implement thorough infection prevention measures</li> </ul>	<ul style="list-style-type: none"> <li>[Raise caution for those taking inter-prefectural trips and temperature check]</li> <li>Trial on April 18, 19 in PA in Yamagata, Fully implemented since April 25</li> <li>Also implemented in railway stations, airports, etc.</li> </ul>

# Measures (1/2)

- Ensuring employees' health and safety
  - Reduce commute of employees (promotion of working at home) in Government organizations, expressway companies, and local governments
  - Disseminate and implement infection prevention measures (placing antiseptic solution, voluntary restraint of events)
  - Support securing masks and antiseptic solution for expressway companies and Roadside Stations
- Maintaining activity and business continuity
  - Take Anti-cluster measures (backup system of staff)
  - Permission with priority on logistics heavy-vehicles relating COVID 19 response
  - Simplify process for occupying roads, extend collection period of occupation fees

# Measures (2/2)

## ■ Business Relations

- Measures for suspending roadworks and services
- Special measures of employment support grant for Roadside Stations, Service and Parking Areas (SA/PA), Expressway Bus Terminal

## ■ Customer and stakeholder relations and joint working

- Call for voluntary restraint of taking trips at Roadside Stations, Service and Parking Areas (SA/PA), Expressway Bus Terminal
- Call for restraint of taking trips on VMS
- Call for voluntary restraint of taking trips on TV, radio, websites, SNS
- Suppression of trips on expressway during the Golden Week holidays (e.g. suspending expressway toll discount, requesting voluntary closing of restaurants at SA/PA)

# Announcing “voluntary restraint of non-essential trip outside the prefecture” on expressways

## 1. TV/radio broadcasting (Road Traffic Information Center, Highway radio)

- Started on April 18 (Saturday)
  - TV broadcasting (Japan Road Traffic Information Center) between 6a.m. and 7a.m.
  - Radio broadcasting (Japan Road Traffic Information Center)
- <Announcement>



(Announcement on TV)

“Please avoid non-necessary or non-urgent trips, particularly to outside the prefecture, to prevent the outbreak of COVID-19.”

## 2. Announcement on website, SNS (Facebook, Twitter)

- Started on April 17 (Friday)
- Announcement on Expressway Companies’ websites and SNS



## 3. Announcement on VMS on expressways

- Started on April 17 (Friday)
- At approx. 1,200 locations including main lane, IC entrance, etc. nationwide
- “Please avoid non-necessary or non-urgent trips, particularly to outside the prefecture, to prevent the outbreak of COVID-19.”



(Announcement on VMS on expressways)



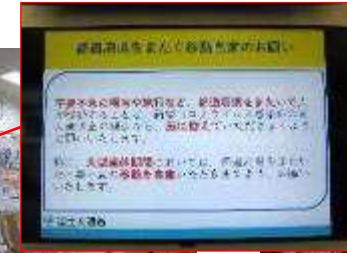
(Announcement on VMS IC entrance)

## 4. Posters and Announcement on Service and Parking Areas (SA/PA)

- Started on April 17 (Friday)
- At approx. 700 SA/PAs on expressways nationwide
- Put up posters and digital signage
- Announcing from Information Center (approx.. 130 locations)



(Announcement on digital ) signage



(Announcement in SA/PA)

\*Announcement on TV under planning



# Thank you for your attention!



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# Questions and Answers

Moderated by Christos Xenophontos



# Our Speakers today

- Patrick Malléjacq – Secretary General, PIARC
- Szymon Piechowiak – Deputy Director at GDDKiA, Poland
- Michel Demarre – SEFI-FNTP Senior International Advisor
- Prof. Kay W. Axhausen – IVT ETH Zürich, Switzerland
- Jun Takeuchi – Japan, Technical Advisor at PIARC General Secretariat

# Conclusion and Next Steps





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# Disclaimer

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

- We publish video recordings and presentations from our webinars
- Further PIARC webinars are planned, in English, Spanish and French
- We publish “Notes” with the findings from those webinars
- <https://www.piarc.org/en/News-Agenda-PIARC/Coronavirus-PIARC-and-Covid-19>



# Two PIARC polls are open

In order to allow everyone to contribute, two polls are now open:

- **To identify issues of concern:**

<https://forms.gle/cgi8WCeQYykCeNFQA>

- **To identify stakeholders who wish to share their practices :**

<https://forms.gle/8sPYw3qhZoySQueJ9>

**Those two links are also available from PIARC's website.**

# PIARC's Response Team: Contact details

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# Thank you for your attention!



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