"Enhanced Galileo Green Lane"

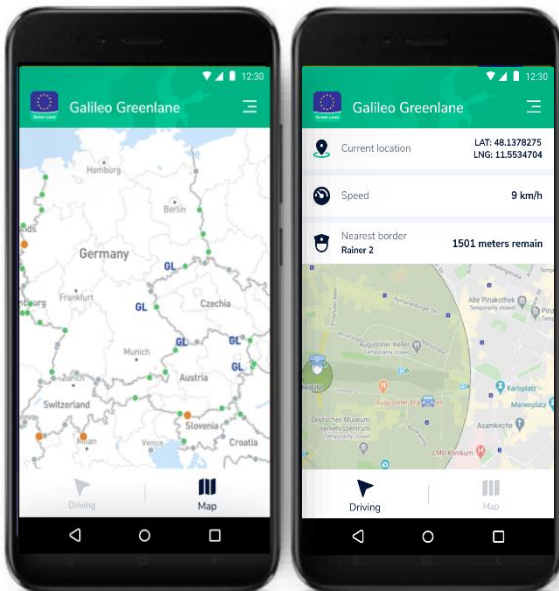*New procurement for Design and Implementation*

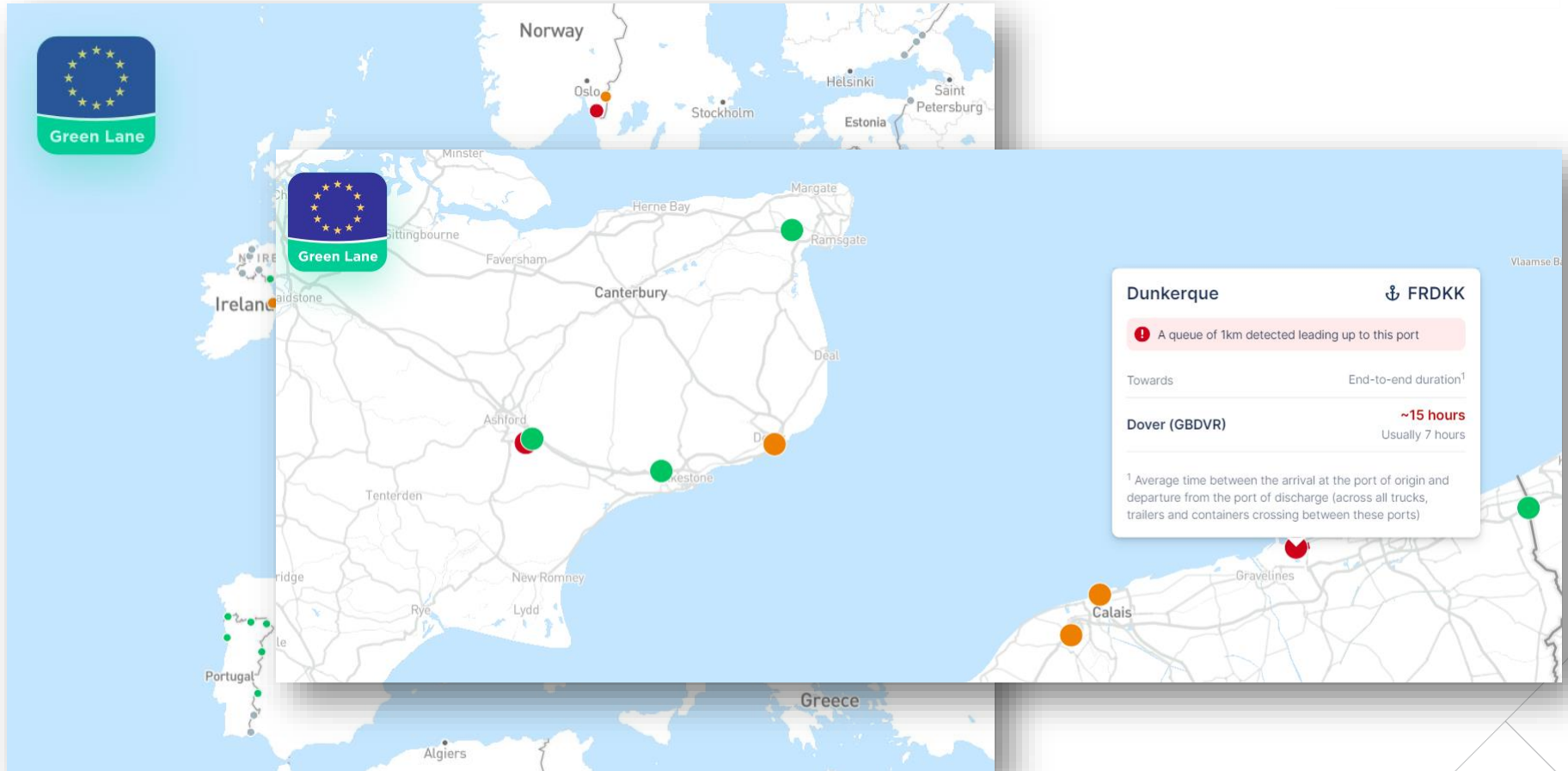**Alberto Fernández Wyttenbach**

10th May 2021

Galileo Green Lane solution

- Border traffic optimization solution to support the freight transport community in the 1st wave of the COVID pandemic

- Monitor the implementation of EU Green Lanes communication

- Real-time visualization crossing time in border points

- 2 App interfaces: authorities and drivers

- Visualization & reporting platform: data aggregated from the App and truck telematics

- Pilots/tests made in several Member States

- *Solution is operational, hosted at GSA servers*

# Example: real time monitoring (UK-FR border, Dec. 2020)

Dunkerque ⚓ FRDKK

⊘ A queue of 1km detected leading up to this port

Towards	End-to-end duration[1]
Dover (GBDVR)	~15 hours
	Usually 7 hours

[1] Average time between the arrival at the port of origin and departure from the port of discharge (across all trucks, trailers and containers crossing between these ports)

Source: http://galileogreenlane.eu/large_map.php

Example: daily reports (ES-FR borders, May 2020)

Galileo Green Lane Reporting
Data by sixfold

Traffic into: Spain
Traffic out of: France
Border crossing: All border crossings

05/13/2020 → 05/22/2020

Mean border crossing time	Mean green lane compliance	Green lane pilot borders	Borders with data
13 min	64%	2	5

● <15 minutes ● 15-60 minutes ● 60+ minutes
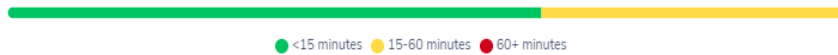
Showing data from Friday 22.05 (the last day in the selected time window), for the above filters

TEN-T border waiting time status

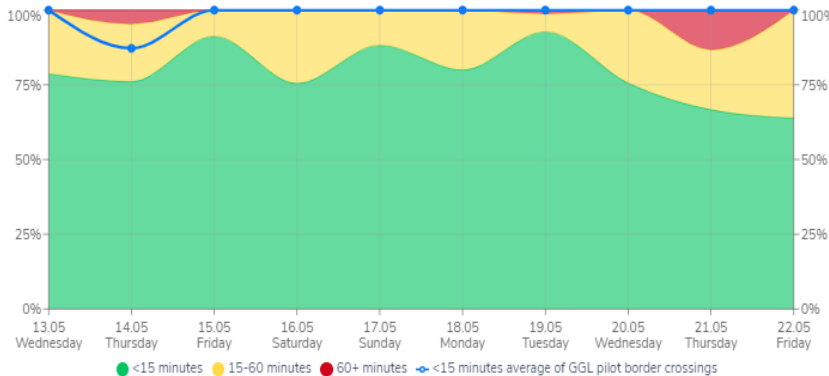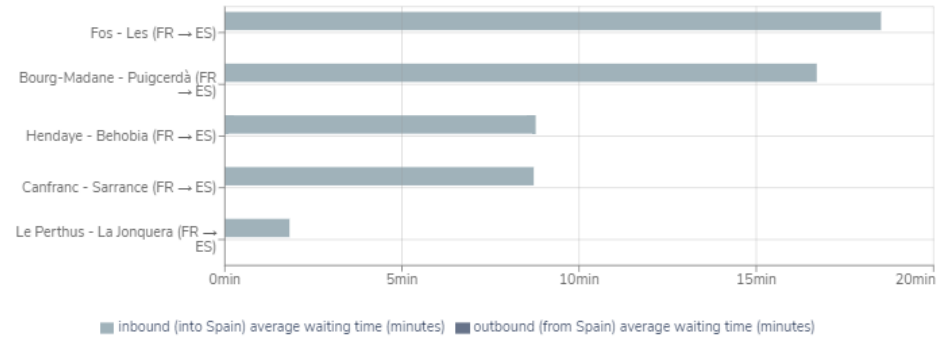● <15 minutes ● 15-60 minutes ● 60+ minutes ● <15 minutes average of GGL pilot border crossings

Figure 1: Average waiting time during one week

■ inbound (into Spain) average waiting time (minutes) ■ outbound (from Spain) average waiting time (minutes)

The average times shown are in respect to the selected date range.
For border crossings (or directions) for which there is not enough data, bars are not shown.

Figura 2: Daily average waiting time and trend

Border	Trend	Wednesday 13.05	Thursday 14.05	Friday 15.05	Saturday 16.05	Sunday 17.05	Monday 18.05	Tuesday 19.05	Wednesday 20.05	Thursday 21.05	Friday 22.05
Bourg-Madane - Puigcerdà (FR→ES)	Stable	17 min	30 min	-	30 min	-	20 min	10 min	30 min	-	30 min
Canfranc - Sarrance (FR→ES)	Worsening	10 min	10 min	1 min	-	-	10 min	10 min	10 min	20 min	16 min
Fos - Les (FR→ES)	Stable	15 min	11 min	24 min	14 min	22 min	10 min	16 min	14 min	43 min	15 min
Hendaye - Behobia (FR→ES)	Stable	10 min	10 min	10 min	9 min	10 min	9 min	8 min	10 min	8 min	5 min
Le Perthus - La Jonquera (FR→ES)	Improving	3 min	8 min	1 min	1 min	2 min	0 min	0 min	2 min	0 min	1 min

"-" indicates not enough data.

The trend is calculated based on the average waiting time, compared between the first and second half of the selected time range. The situation is considered stable if those two averages are within 10 minutes of each other.
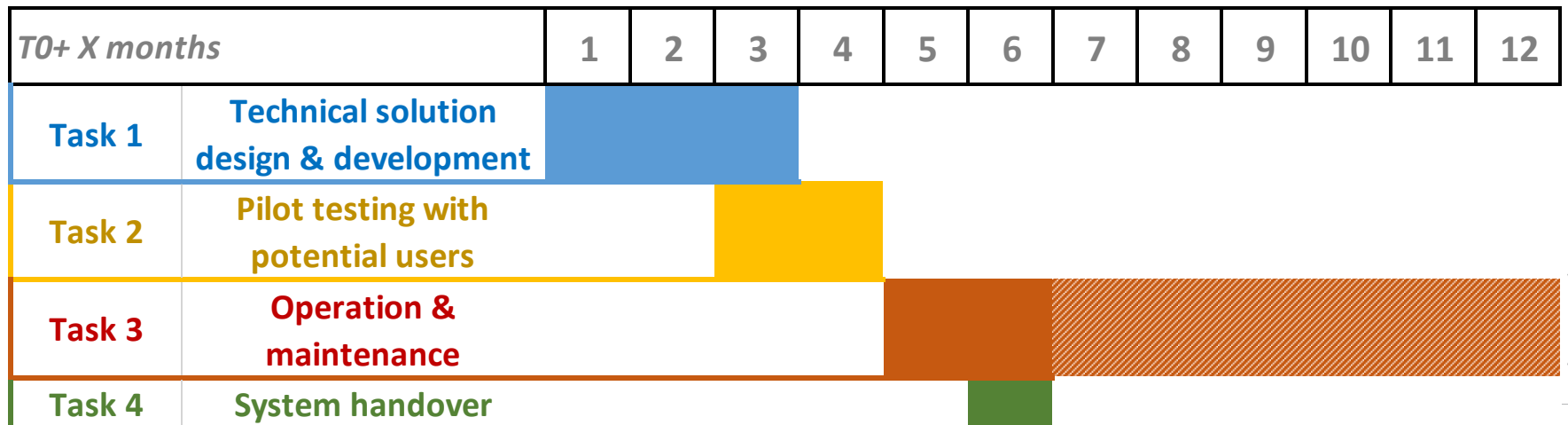
New procurement in place

- Due to the persistence of the COVID-19 pandemic in Europe, **the previous Galileo Green Lane tools has to be enhanced** as per the new EC Communication COM(2020) 685 final

24/05/2021

Deadline for submission of tenders	~~17/05/2021~~ - 17.00 CET
Signature of contract	July 2021

T0+ X months		1	2	3	4	5	6	7	8	9	10	11	12
Task 1	Technical solution design & development												
Task 2	Pilot testing with potential users												
Task 3	Operation & maintenance												
Task 4	System handover												

- Estimated total value: 500,000 €
- <u>Duration</u>: 6 months for the baseline activities + 6 months for the optional activities

Task 1 – Technical solution aiming to monitor traffic of freight transport

- The solution shall monitoring the traffic and estimated waiting time in:

  — **Road, rail and maritime** internal border crossings from EU (TEN-T map) and non-Schengen border crossings, with particular interest to strategic corridors (e.g. UK, EFTA, Western Balkans, EU candidate countries)

  — **Additional points of interest**: national logistics hubs, airports, resting/service areas, fuel stations, parkings, etc. including individual features of the facilities

- Mobile (Android/iOS) <u>and/or</u> telematic <u>and/or</u> online solution

- **Mandatory functionalities:**

  — Anonymized traffic information datasets from public/private entities

  — Automatic generation of (hourly) reports, graphs and statistics

  — Algorithms to anticipate peaks/ adapt to changing traffic patterns

  — API facilitating access, analysis and distribution of data

  — Routing alternatives for dispatchers and/or drivers

  — Unidirectional communication tool to drivers

Task 2 – Pilot testing with potential users

- Testing campaign prior to the implementation of the designed solution

- **Engage national authorities**, freight carriers and/or automotive clubs and any other entity as requested by the GSA

- Tests shall monitoring the traffic and estimated waiting time in:

  — Road, rail and maritime crossings/logistic hubs (min. 2 European countries)

  — Points of interest: minimum 1 queuing time test in parking or service areas

Task 3 – Operational maintenance of the solution

- Minimum requirements of the **Service Level Agreement (SLA):**

  — 24/7 availability: target: 99.5%;

  — Data updates: <u>once an hour </u>(at least)

  — Response time: no more than 1 working day

… Task 4 – System handover

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New procurement for Design and Implementation

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10th May 2021