



**CAMARA**  
THE TELCO GLOBAL API ALLIANCE



**GSMA™**

# Unleash the Power of 5G in Your Code: Transform Your Apps

15.09.2025

# Quality on Demand APIs

**Korrey Sutherland**

Marketing Manager Open Gateway

**GSMA**







**CAMARA**  
THE TELCO GLOBAL API ALLIANCE



**GSMA™**

# Unleash the Power of 5G in Your Code: Transform Your Apps

15.09.2025

# What is GSMA Open Gateway?

A global framework of common network APIs **simplifying access to mobile operator networks.**

Providing developers and cloud providers with a single point of access to the **world's largest connectivity platform.**





# Benefits of GSMA Open Gateway

**Accelerates service deployment** and fosters innovation

Supports application portability and ensures **seamless user experiences**

Helps telecom and tech industries fully realise the **potential of 5G**

**Standardised open APIs** transform how developers build and deliver services

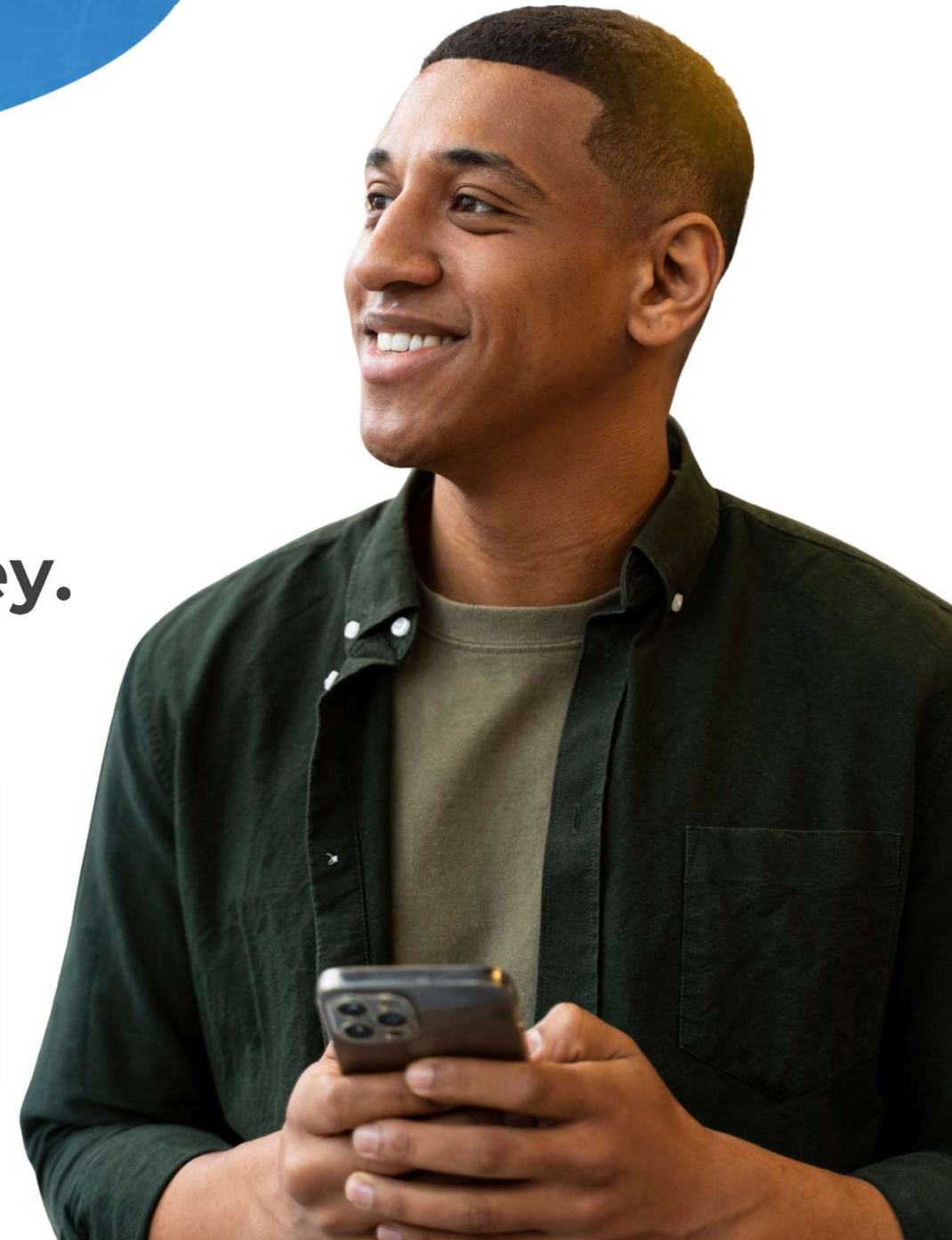


# Welcome to the New Telecoms Revolution

**Opening up 5G networks for enterprise is the new telecom revolution and developers are key.**

Open Gateway working with CAMARA and leading Mobile Operators, Cloud Providers and Technology Companies will Unlock \$300bn Opportunity through Network APIs\*

\* McKinsey & Company – Study – 24 Feb 2024



# What can you do with a 5G network API?



## Identity & Fraud Prevention APIs

Enhanced Security / Improved Sign up / Better Experience



## Location & Geofencing APIs

Public Safety / Geofencing / Child & Vulnerable Person



## Edge Computing APIs

Latency and response / Power Management / Efficiency



## Payment & Charging APIs

Enhanced Security / Better Experience / Social Inclusion



## Quality APIs

Quality on Demand / Improved Service Offers / Better Experience



# Quality on Demand APIs

## Breaking records at MWC Barcelona 2025

Elmo developers utilised Quality on Demand API to remotely drive a vehicle based in Finland from Barcelona, Spain.

**3,400km record-breaking remote drive**





# GSMA Developer Sandbox

**Gain early access to our  
Developer Sandbox**

**Scan the QR code to register**



# Quality on Demand APIs

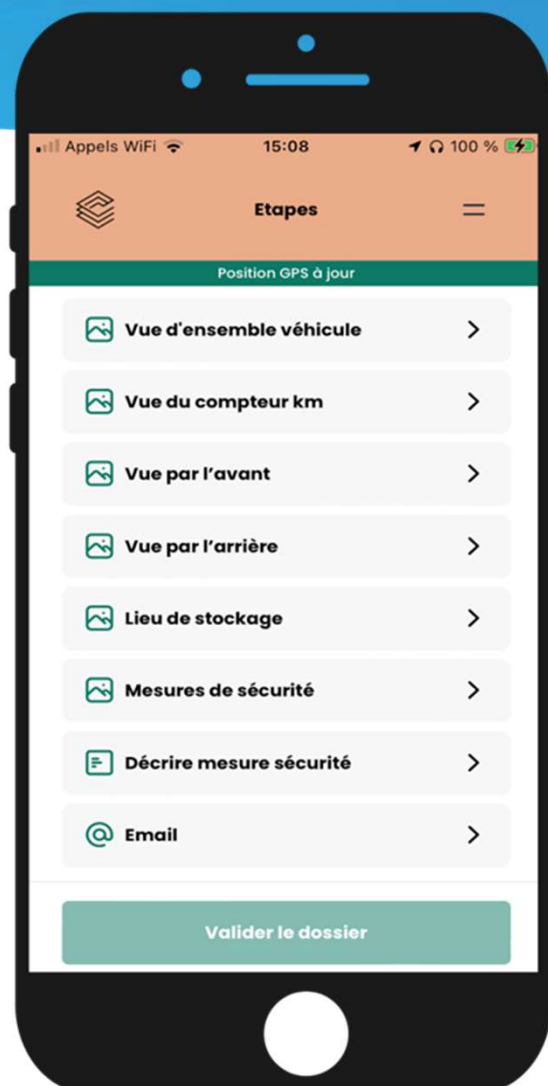
## **Cedric Gonin**

Telco API Business Strategy and Channel  
Management Director  
**ORANGE**





# Certificall certifies **your data**



**Qualified time-stamping and eSeal signature** via Certigna  
Secure, forgery-proof data

eIDAS certification



- Advanced monitoring API
- **Enhanced geolocation**
- Behavioral analysis AI

Anti fraud shield



Insurer, Broker, MGA  
**Insurance**



**Photo**



**Video**



**Audio**



**Geolocation**

# Certificall, *customer journey for insurance claim*



Trustworthy process



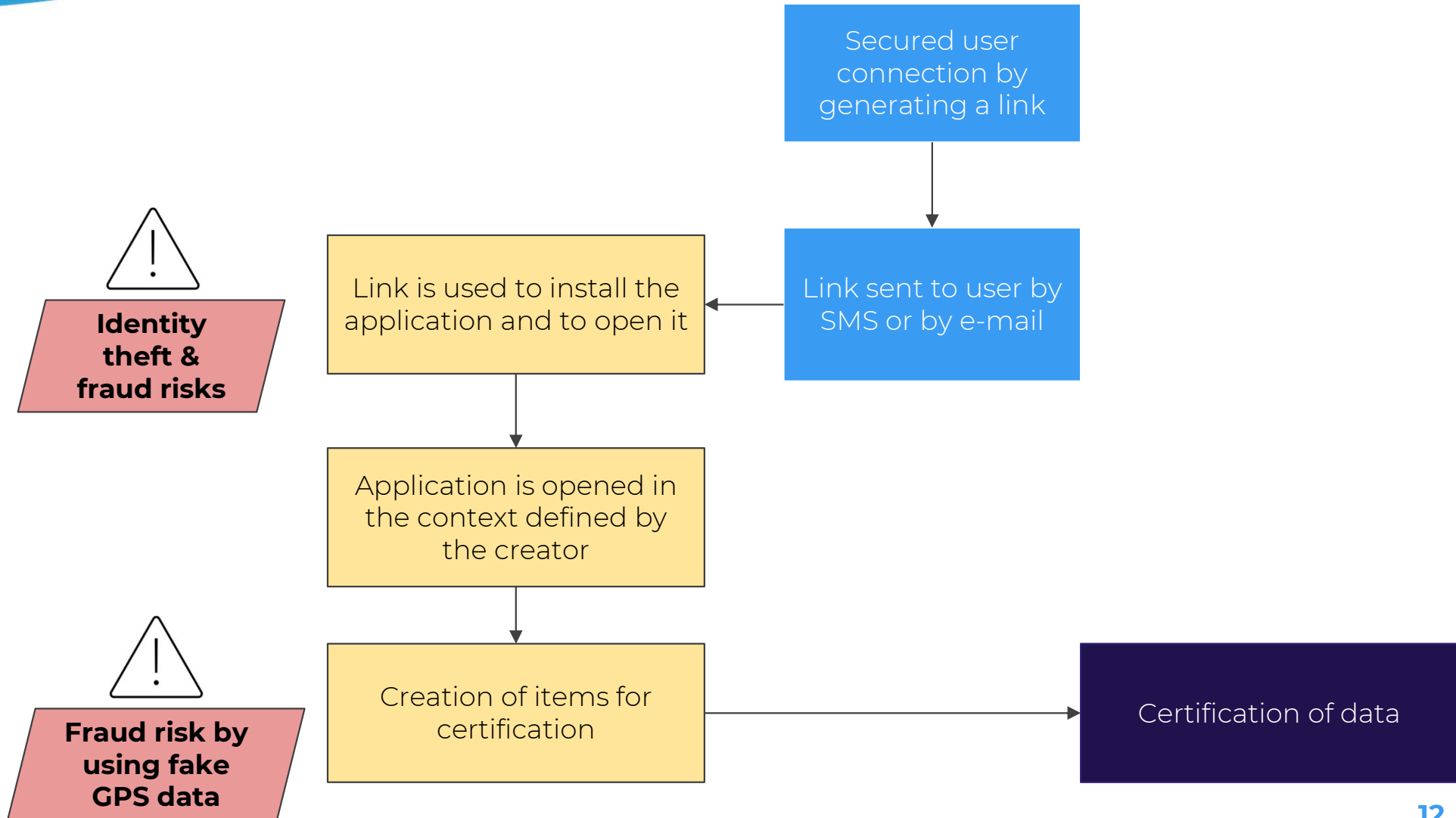
Easy to use



Risks of identity theft and fraud

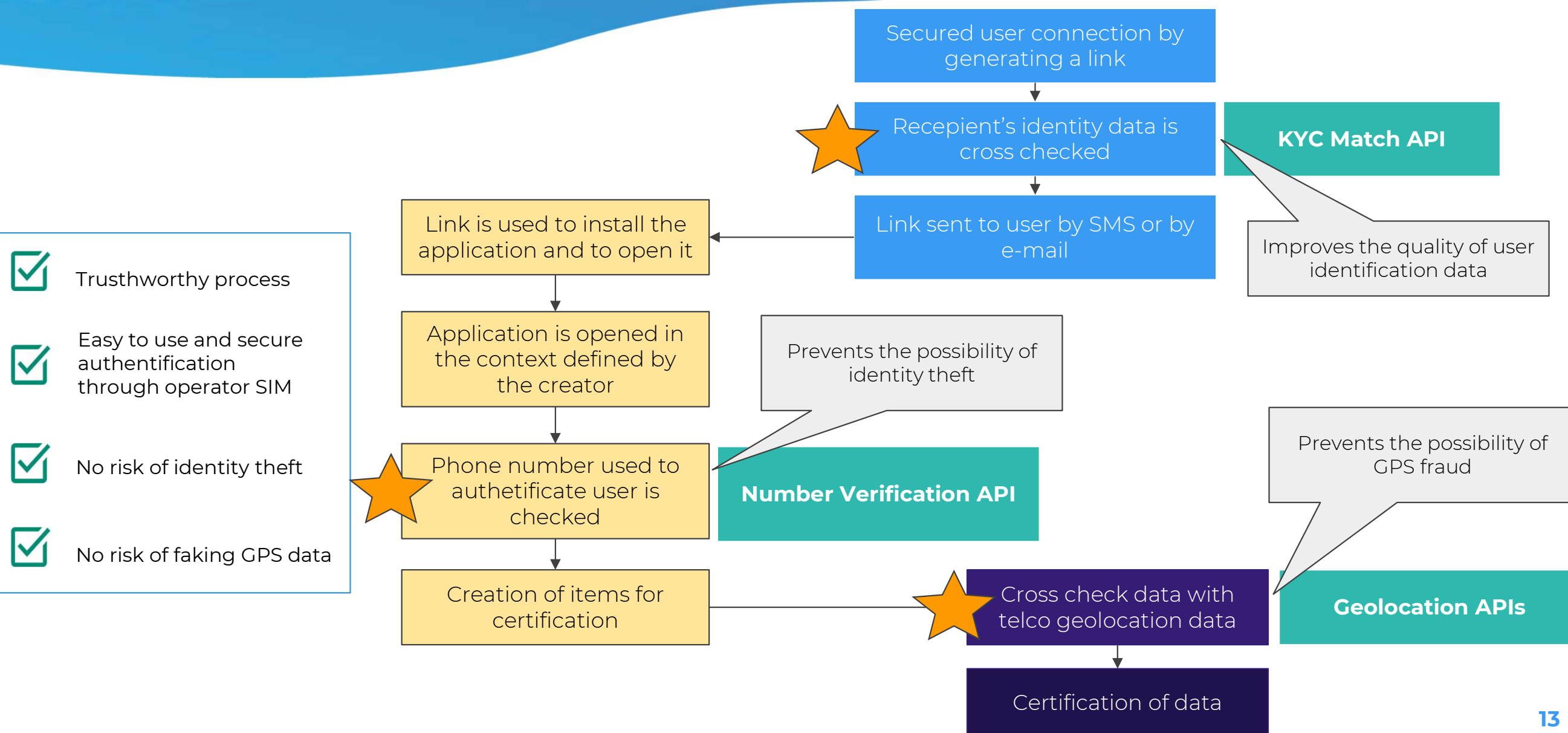


Risk of faking GPS data





# Certificall, *enhanced with Network APIs*



# Valuable population density analytics for your business logic



## Raw network data

15 billion network events  
processed daily in real time

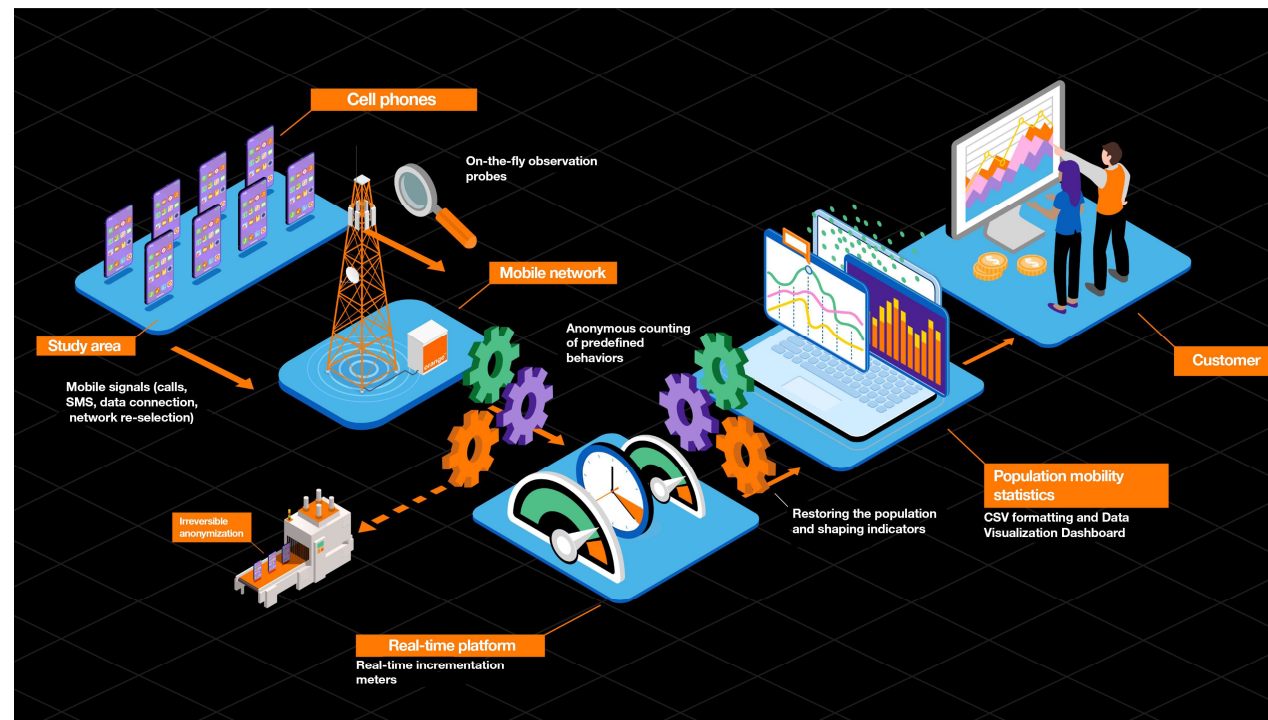
## Population Density Data API

Anonymized data  
GDPR / CNIL compliant  
Standard CAMARA API



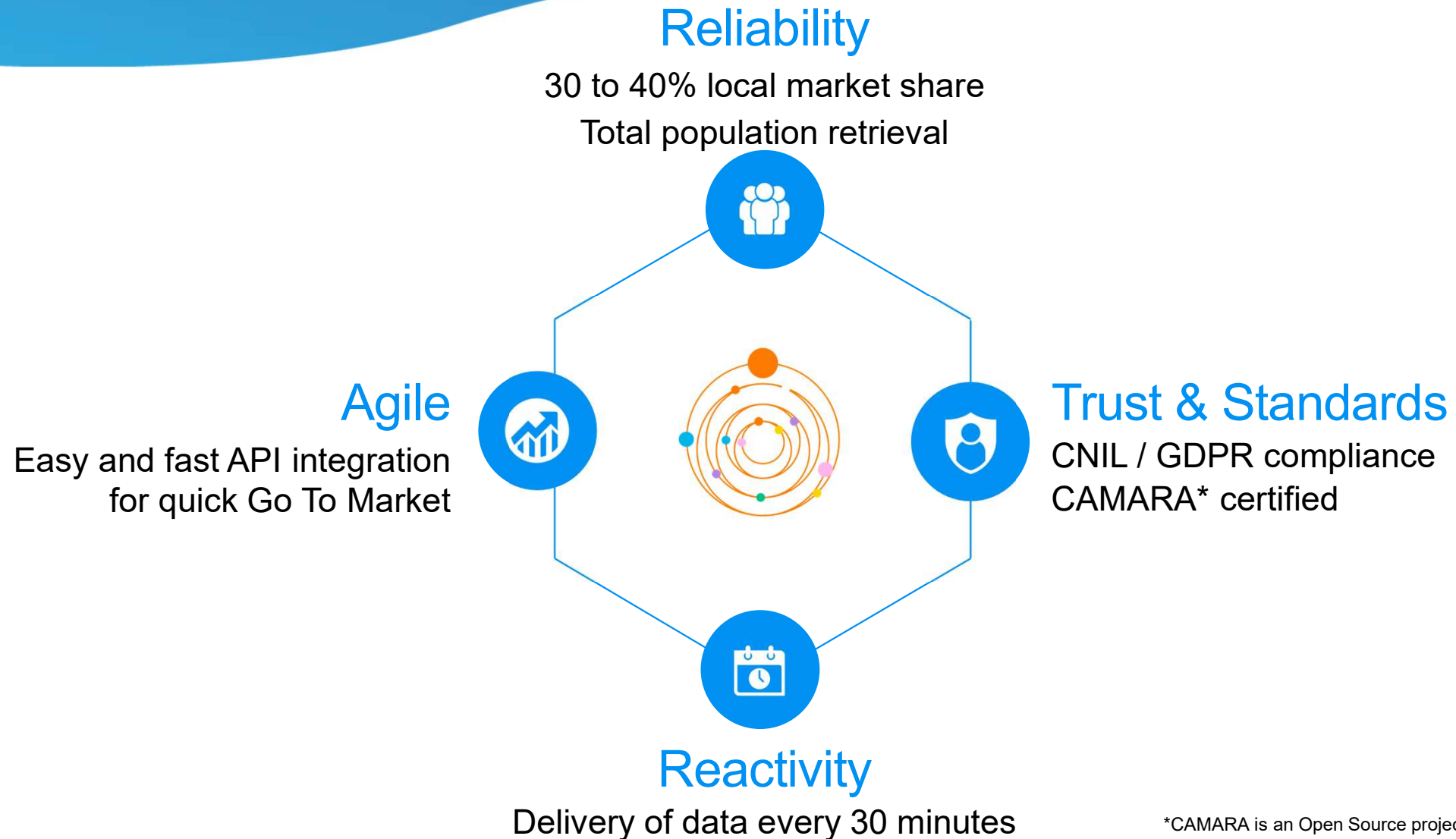
## Population Density analytics

Statistics of the behavior of the  
general population





# What we bring?



\*CAMARA is an Open Source project within Linux Foundation to define, develop and test the APIs. CAMARA works in close collaboration with the GSMA Operator Platform Group to align API requirements and publish API definitions and APIs.

# Use cases



Urban Planning and  
Infrastructure Development



Drone Route Planning  
Optimization



Event Management Planning  
and Crowd Control

Data-Driven Marketing  
Campaigns

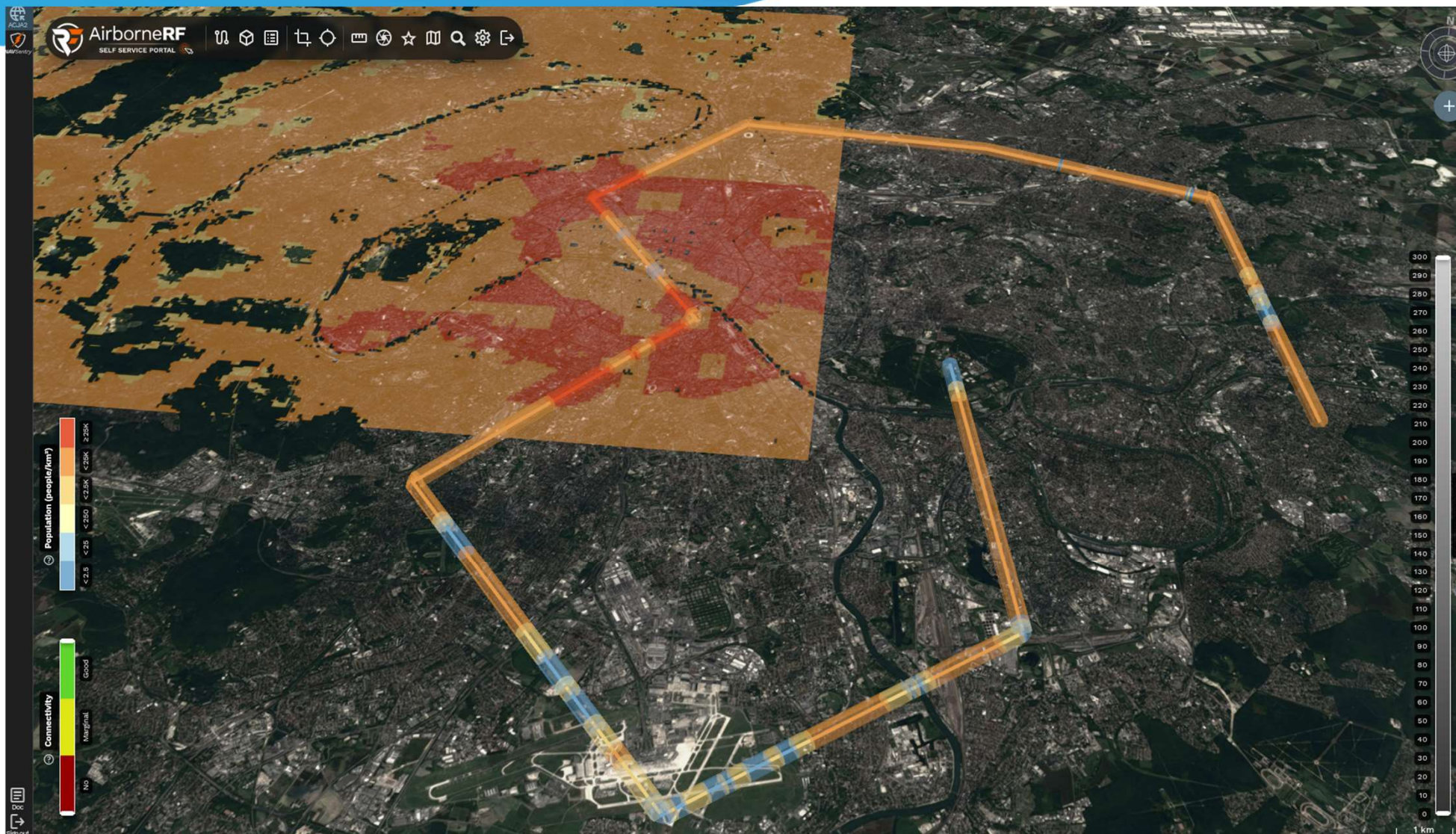


Disaster Management Planning and  
Emergency Resource Allocation





# Drone Route Planning Optimization



AirborneRF is the trusted solution connecting cellular networks with aviation systems

*"Population Density provides easy integration of high-quality network insights that allow AirborneRF to fulfill its role as the go-to-platform for the aviation industry"*

Gorazd Mirkovski, Project Director





# Public Transport Planning Optimization and Insights

## How to be **Ontime**?

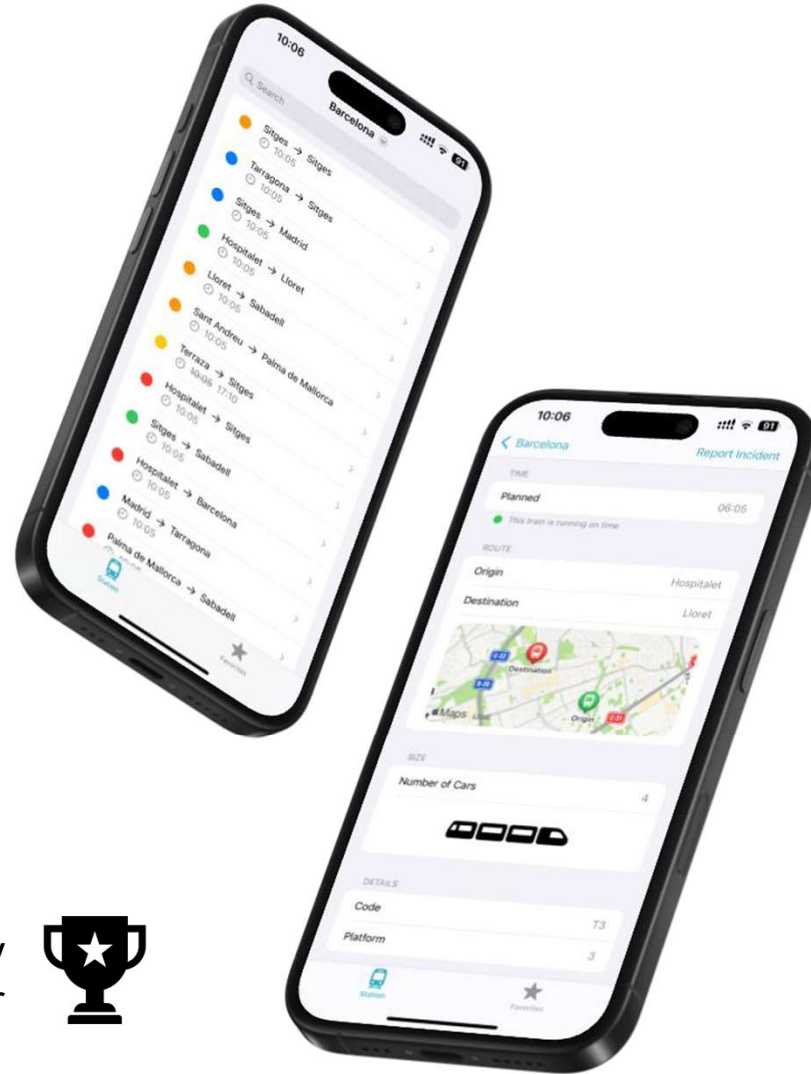
Delay Information

Train Occupancy Report

Community Platform

Reporting

Ticket Purchases



Ontime is the go-to-app when commuting in your city. It provides insights into trains/subway delays, occupancy and allows user to easily buy tickets.

*“Population Density optimizes the data we share to our users regarding how crowded train/subway stations are or will be during the day”*

Saba Tolordava, Co-Founder & Operations Lead @ Connectyty | Digital Transformation

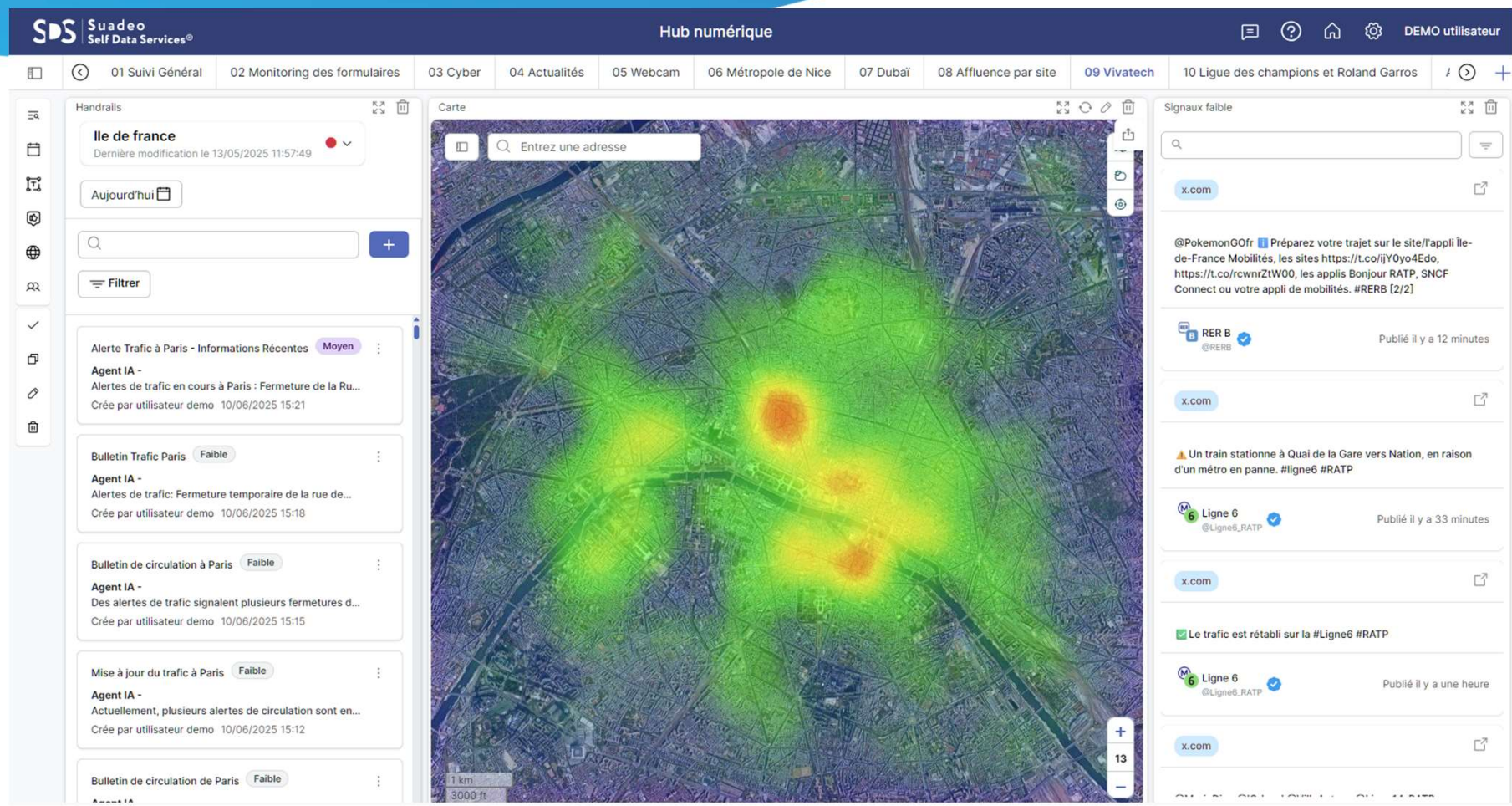


OpenGateway  
Hackathon Winner



**Ontime**  
Be in control of your time

# Event Management Planning and Crowd Control



Suadeo SDS enables organizations to manage, transform and visualize all kind of data sources at the same place, in an autonomous, secure and efficient way, in order to make strategic decisions in real time

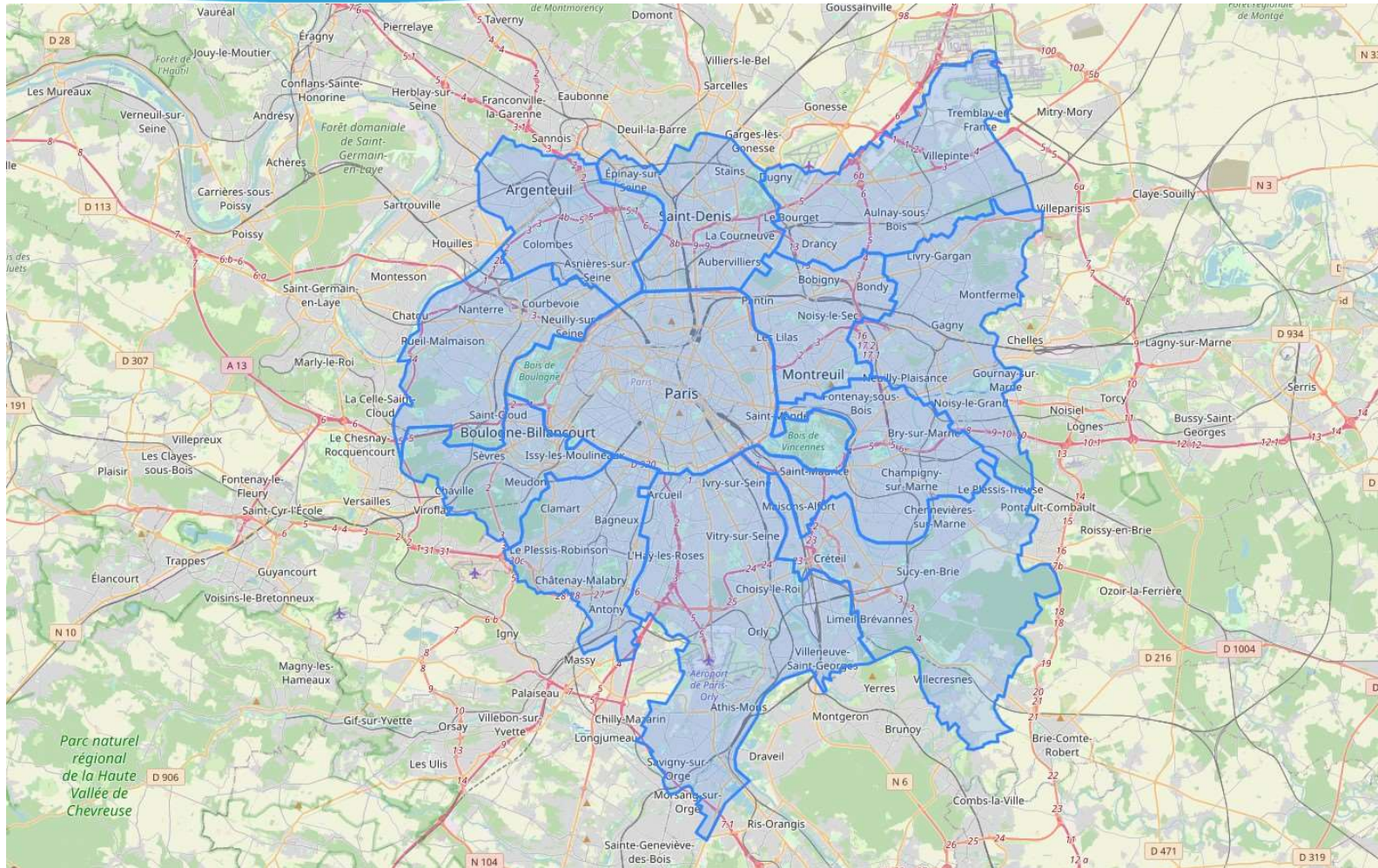
*“Population density API integrates seamlessly with insights from social media data streams to reveal what’s happening in the field.”*

Nicolas Vaillier , Service Expertise  
Produit





# Population Density Data API Available now for Grand Paris area!



Add it to your business logic!






# Markus Küemmerle

Tribe Lead MACE Engineering &  
Production Interface  
**CAMARA**




# Beyond these examples much more APIs are available

THE <b>LINUX</b> FOUNDATION PROJECTS							
<div><div>CAMARA THE TELCO GLOBAL API ALLIANCE</div><div>HomeAboutAPI OverviewAPI DescriptionsWorking GroupsEventsResourcesContact</div></div>							
Authentication and Fraud Prevention	Location Services	Communication Services	Communication Quality	Device Information	Computing Services	Payments and Charging	Service Management
Call Forwarding Signal	Geofencing Subscriptions	WebRTC Call Handling	Application Profiles	Connected Network Type	Simple Edge Discovery	Blockchain Public Address	
Customer Insights	Location Retrieval	WebRTC Event Subscription	Connectivity Insights	Connected Network Type Subscriptions		Carrier Billing	
Device Swap	Location Verification	WebRTC Registration	Connectivity Insights Subscriptions	Device Identifier		Carrier Billing Refund	
Know Your Customer Age Verification	Population Density Data		Home Devices QoD	Device Reachability Status			
Know Your Customer Fill In	Region Device Count		QoD Provisioning	Device Reachability Status Subscriptions			
Know Your Customer Match			QoS Profiles	Device Roaming Status			
Know Your Customer Tenure			Quality on Demand	Device Roaming Status Subscriptions			


61 CAMARA APIs

<https://camaraproject.org/api-overview/>


THE **LINUX** FOUNDATION PROJECTS

CAMARA  
THE TELCO GLOBAL API ALLIANCE

HomeAboutAPI OverviewAPI DescriptionsWorking GroupsEventsResourcesContact


API Description


The "Call Forwarding Signal" (CFS) API provides the API consumer with information about the status of the Call Forwarding Service on a specific phone number. The main scope of the CFS API is anti-fraud to avoid fraudsters to use the Call Forwarding Service to carry on a scam. Other use cases are anyway supported by the CFS API that also provides additional endpoints to detect the general Call Forwarding Service settings.




The API consumer invokes the CFS API to determine if a specific phone number has an active "call forwarding" setup. "Call forwarding" is a network service that redirects incoming calls to another phone number (configured in the service). The CFS API can be used by a bank to verify if a "call forwarding" option is active on the customer's phone number to avoid frauds. A call from the

API Portfolio: Authentication and Fraud Prevention


 SubProject Wiki: [Call Forwarding Signal](#) (incl. how to meet the team)

 API Wiki: [Call Forwarding Signal](#)

 API Repository: [Call Forwarding Signal](#)

API Repository Status: Incubating

API Status: Initial

 API Version(s) and Release Date(s):

→ [v0.2.0](#) (2024-09-15), Fall24 meta-release

→ [v0.3.0](#) (06.03.2025), Spring25 meta-release

API availability: Information which APIs are available in which country and network, and how to get access can be found on the [GSMA public launch status page](#).

# Make it simple for developers



Define APIs simple, hide telco complexity and diversity



**Open Gateway**

Standardize operator exposure layer simple, make it available globally

**Operators, e.g.**



Expose APIs following standards

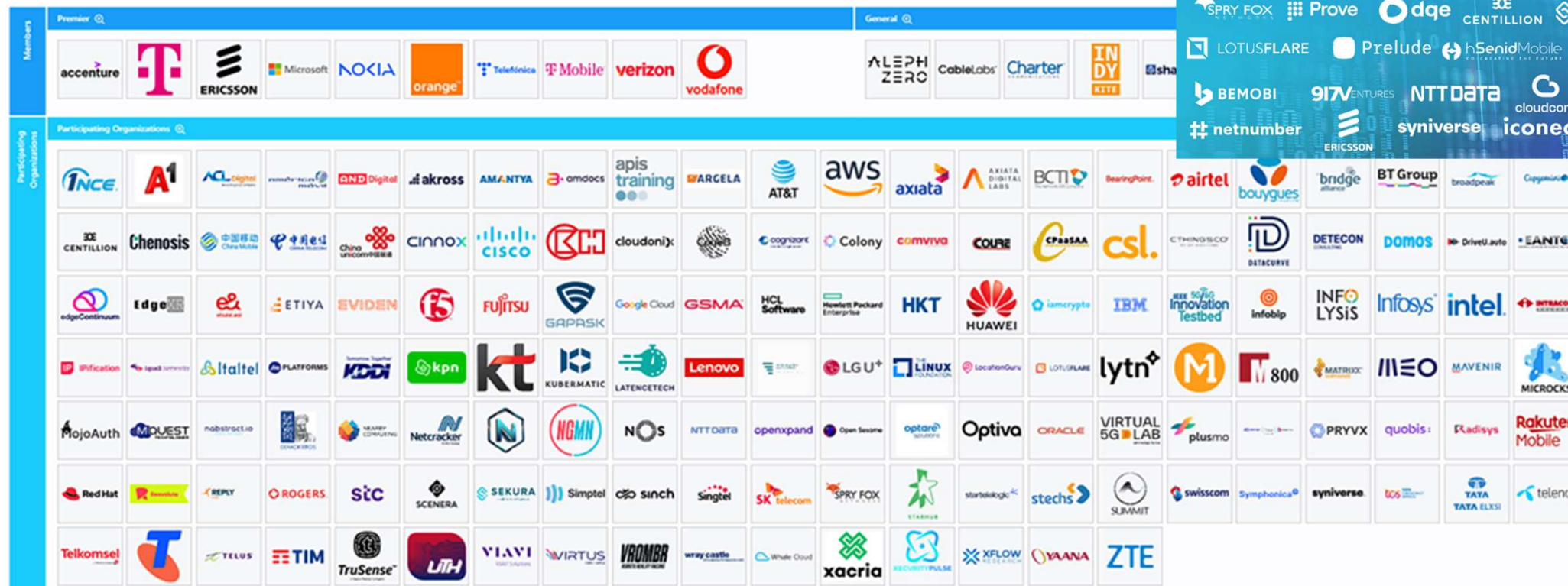
**Aggregators/Channel Partners**

Take aggregation and routing



# Coverage is already great!

Close to **1300** people from **470** companies are part of CAMARA



More than **80%** of all global mobile Connections are covered by Open Gateway

# How can you get the APIs?


## Integrate API call in own code, e.g. for Sim Swap:

- Get API definition and documentation from <https://camaraproject.org/api-overview/> (open&free!)
- Get API availability from GSMA public launch status map (linked in API description)
- Get API access e.g. from DT, Orange, Telefonica (linked in map)

CAMARA							
THE TELECOM OPEN API ALLIANCE							
Authentication and Fraud Prevention	Location Services	Communication Services	Communication Quality	Device Information	Computing Services	Payments and Charging	Service Management
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Know Your Customer Match			QoS Profiles	Device Roaming Status			
Know Your Customer Tenure			Quality on Demand	Device Roaming Status Subscriptions			

### API Description

The "Sim Swap" API is a service that monitors and detects changes in the SIM card associated with a mobile number. It provides businesses with insights into whether a SIM card has been swapped recently, either by returning a timestamp of the last change or a yes/no response for a defined period (e.g., the last 24 hours). Additionally, the API offers a subscription mode, enabling businesses to receive real-time notifications whenever there is a change in the SIM card status. This service is particularly valuable for enhancing security in scenarios like fraud prevention, account protection, and transaction validation by identifying potential unauthorized SIM swaps.



API Portfolio: Authentication and Fraud Prevention

- SubProject Wiki: [Number Insights](#) (incl. how to meet the team)
- API Wiki: [Sim Swap](#)
- API Repository: [Sim Swap](#)

API Repository Status: **Incubating**

API Status: **Stable**

API Version(s) and Release Date(s):

- v0.4.0 (14.11.2023)
- v1.0.0 (04.04.2025), Fall24 meta-release, patch release
- v2.0.0 (13.03.2025), Spring25 meta-release

API availability: Information which APIs are available in which country and

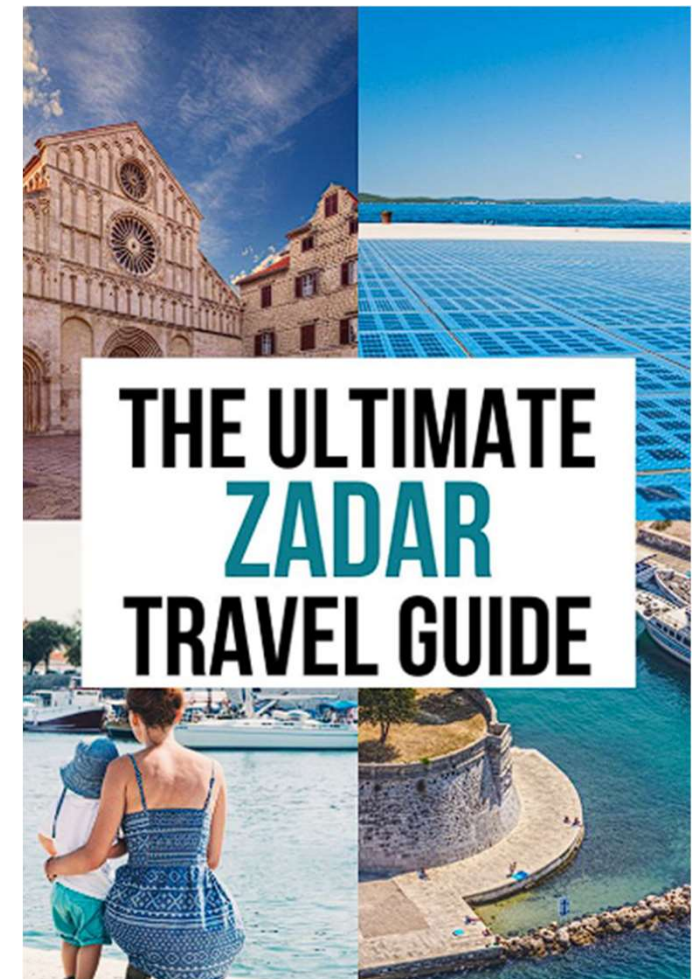




Ask not what you can do for  
network APIs, ask what network  
APIs can do for you...

## Meet us on CAMARA Stand!

- Find out what network APIs are and how you can use them to create new and innovative services
- Find out how to access the CAMARA API repositories and commercial APIs
- Find out how to join network API developer programmes
- Meet companies that are innovating with Network APIs today
- Find out how companies are making money with network APIs today
- ....





Let's talk



<https://camaraproject.org/contact/>



<https://developer.orange.com/>



<https://www.gsma.com/opengateway>

