Road Alerts

Start Date	2022-01-01 00:00:00
End Date	2023-06-30 23:59:59
N. of Entries	11902

Origin

FIWARE provides a standard data model for handling Alerts, known as the NGSI (Next Generation Service Interface) Alert Data Model. This model is designed to represent information related to alerts or notifications in a standardized way, ensuring interoperability across different components and systems within the FIWARE ecosystem.

This model can be used to refer alerts about **traffic jam, accidents, weather conditions, high level of pollutants** and so on.

Transformations

Transformed from FIWARE Alert Entity to a
JSON simplified version.

Data Dictionary

Name	Description	Type	Default	Example
id	unique identifier of the entity	text	null	urn:ngsi-ld:Alert:porto:RoadAlertsUnscheduled:cmp518580
type	Type of entity	text	null	Alert

category	Alert category	text	null	Traffic
subCategory	Alert subcategory	text	null	carAccident
source	Entity Source	text/url	null	https://servsig.cm-porto.pt/arcgis/rest/services/IGVP/CondicionamentosNprog/FeatureServer/0
dataProvider	Alert Provider	url	null	https://www.cm-porto.pt/
location	Alert Location	geo:json	null	"coordinates":[-8.649091427,41.149767771]
dateIssued	Date and Time the Alert was issued	datetime	null	2022-02-12T00:35:00.00Z
validFrom	Alert start date	datetime	null	2022-02-17T10:00:00.00Z
validTo	Alert end date	datetime	null	2022-02-17T12:30:00.00Z
description	Alert description	Description	null	Rua da Nau Trindade 212 - Outro motivo
alertSource	Reference to the source	text/url	null	Câmara Municipal do Porto
severity	Level of alert severity	text	null	informational

Info

The Alerts are divided into categories and each category can have several subcategories. We are focusing our attention on the traffic category.

For the *category* **traffic** the *subCategory* possible values are:

- **trafficJam:** Indicates a situation where traffic flow is significantly slower than normal or completely halted, typically due to congestion or an obstruction on the road.
- **carAccident:** Represents an alert related to a car accident, indicating that a collision or crash involving vehicles has occurred.
- **carWrongDirection:** Indicates that a vehicle is moving in the wrong direction on a road or in an area where such movement is not permitted.
- **carStopped:** Represents a situation where a car has come to a complete stop, which may be unexpected or abnormal in the given context.
- **pothole:** Indicates the presence of a pothole on the road, highlighting a potential hazard for vehicles.
- **roadClosed:** Signifies that a road is closed for traffic, indicating that it is inaccessible or restricted for some reason.
- **roadWorks:** Represents an alert related to ongoing road maintenance or construction work that may affect traffic flow.
- **hazardOnRoad:** Indicates the presence of a hazard on the road, such as debris, obstacles, or any other condition that poses a risk to vehicles.
- **InjuredBiker:** Represents an alert related to a biker (motorcyclist or cyclist) who has been injured, highlighting a potential emergency or accident involving a two-wheeler.