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## Attivita' del DISIT Lab su Allertamento

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### www.Km4City.org

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Forum sul Sistema di Allertamento

Dipartimento della protezione civile Auditorium "Elio Di Cicco" - Via Vitorchiano 4

Roma, 25 settembre 2018



# **RESOLUTE Architecture**



DISIT lab, 15 Agust 2017

resolute

Firenze





Map data C OpenStreetMap contributors, CC-BY-SA, Imagen

Nascondi Menu











DISIT lab, 15 Agust 2017

#### RESOLUTE Dashboard 4XHD v5











### **Predicting Models for Admin. & City Users**

- Aiming at improving
  - quality of service, distributing workload
  - early warning
- Predictions: Short (15 min, 30 Min) and mid Term (1 week)
- Data Analytics: ML, NLP/SA, Clust...
  - Traffic Flows  $\rightarrow$  multiflow reconstruction
  - Parking Status  $\rightarrow$  free slots
  - People Flows (WiFi, Twitter)
    → crowd , #number of people







### sertwitter Nigilance, Sentiment Analysis, Monitoring and



![](_page_11_Picture_0.jpeg)

![](_page_11_Picture_1.jpeg)

![](_page_11_Picture_2.jpeg)

![](_page_11_Picture_3.jpeg)

Suggerimenti

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CivComuneFi - 2016-04-12 15:15:02

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Mostra Tutte le Categorie

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primato il dei barman https://t.co/S54z9bdb

- Personalized menu for Operators
- Providing information and suggestions to citizens
  - Civil Protection Page
  - Twitter Info
  - Geolocalized Info
- Tracking people and operators flows
- Providing evacuation paths
- Collecting information from citizens
  - Comments
  - Images

![](_page_11_Figure_14.jpeg)

![](_page_11_Picture_15.jpeg)

![](_page_11_Figure_16.jpeg)

![](_page_12_Figure_0.jpeg)

# Acknowledgement

DISIT lab, Gennaio 2018

- Thanks to the European Commission for founding. All slides reporting logo of **RESOLUTE H2020** are representing tools and research founded by European Commission for the RESOLUTE project. **RESOLUTE** has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement n° 653460).
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- SELEC Thanks to the European Commission for founding. All slides reporting logo of **Snap4City** http://www.snap4city.org of Select4Cities H2020 are representing tools and research founded by European Commission for the Select4Cities project. Select4Cities has received funding from **Snap4City** the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement n° 688196)
- **Km4City** is an open technology exploited by those projects and line of research of DISIT Lab. Some of the innovative solutions and research issues developed into the above mentioned projects are also compliant and contributing to the Km4City approach and thus are contributing to the open Km4City model of DISIT lab.

![](_page_13_Figure_6.jpeg)

![](_page_13_Picture_7.jpeg)

![](_page_13_Picture_8.jpeg)

![](_page_13_Picture_9.jpeg)

Horizon 2020 **European Union Funding** for Research & Innovation

![](_page_13_Picture_11.jpeg)