

Emergency Management Using SHERLOCK



Roberto Yus
ryus@unizar.es

University of Zaragoza (Spain)

Eduardo Mena
emena@unizar.es



Motivation

Emergency management



- Lack of pre-existing infrastructure or even communication break-downs.
- Heterogeneous information and devices and diverse scenarios

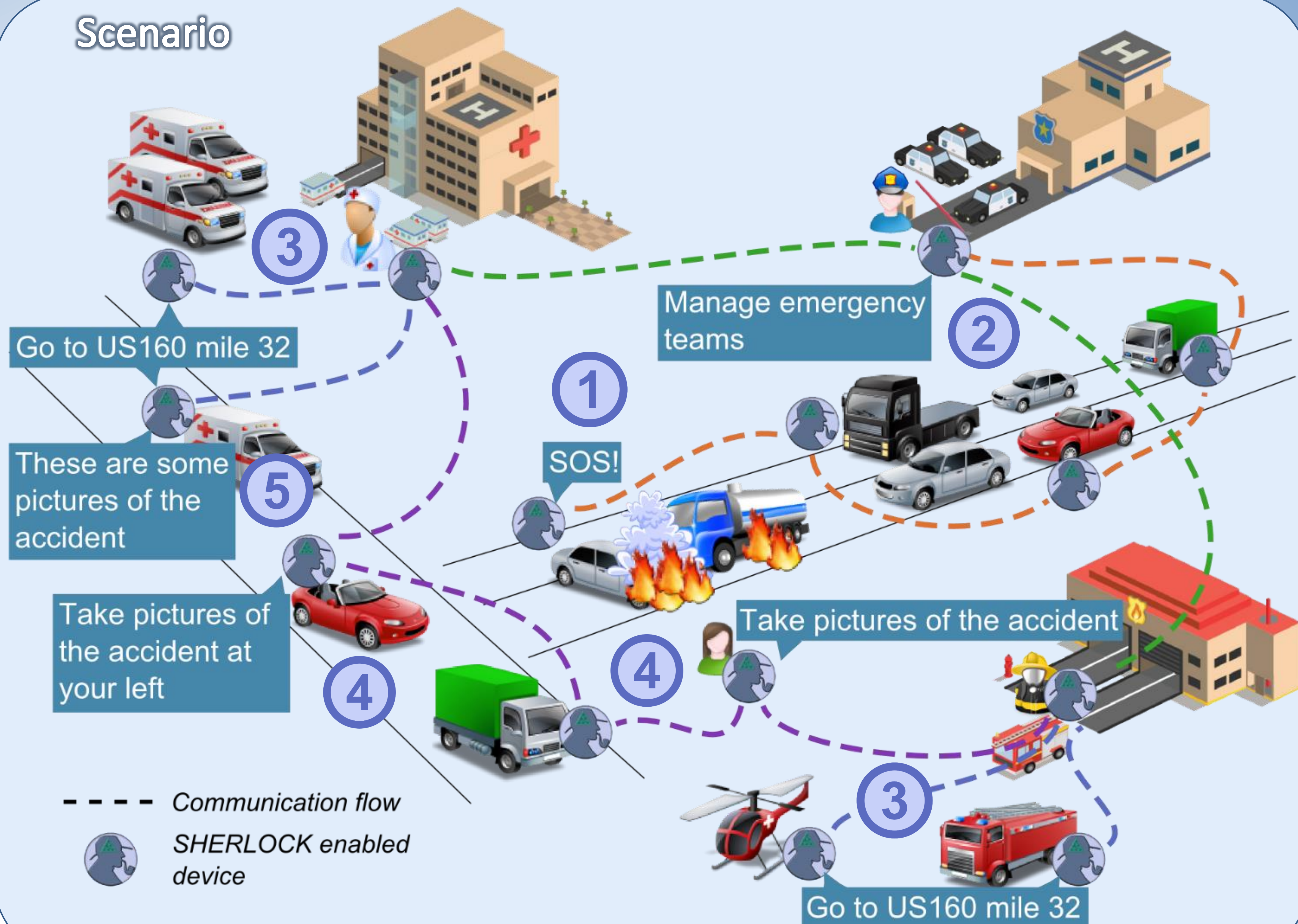


SHERLOCK

System for Heterogeneous mobile Requests
Leveraging Ontological and Contextual Knowledge

Mobile computing + Semantic Web
P2P ad hoc communications
Knowledge representation and reasoning

Scenario



How it works

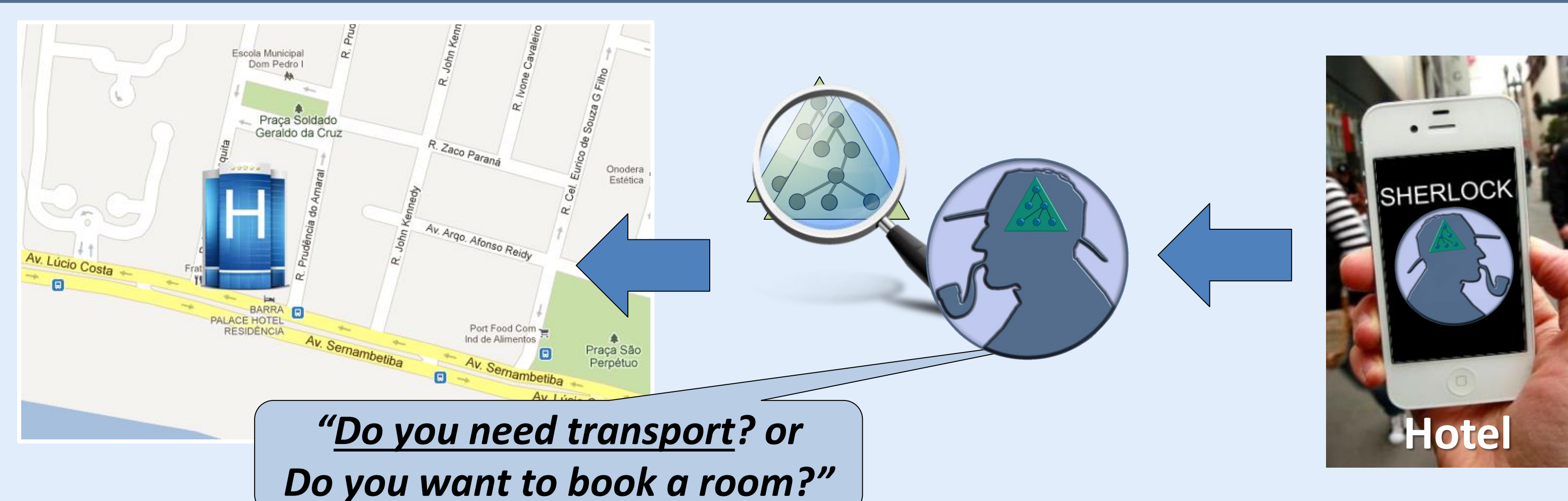
1) Share knowledge

- You meet people
- SHERLOCK
 - communicates with their devices
 - exchanges ontologies
 - increases its knowledge



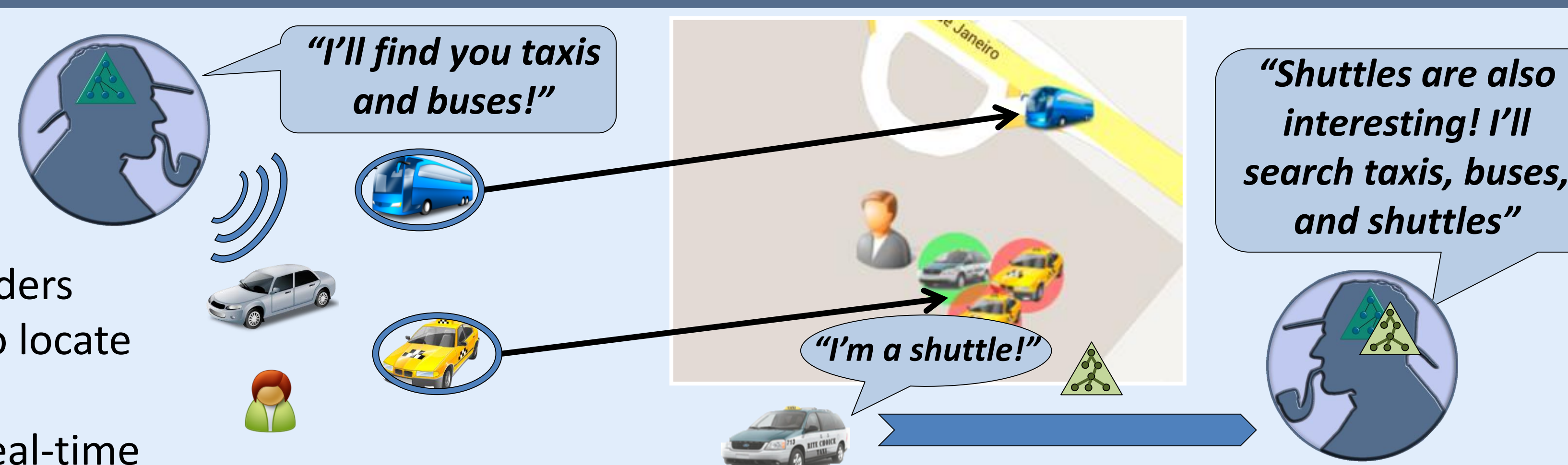
2) Ask SHERLOCK

- You need information
- SHERLOCK
 - reasons what could interest you using ontologies and contextual information
 - shows the most appropriate services

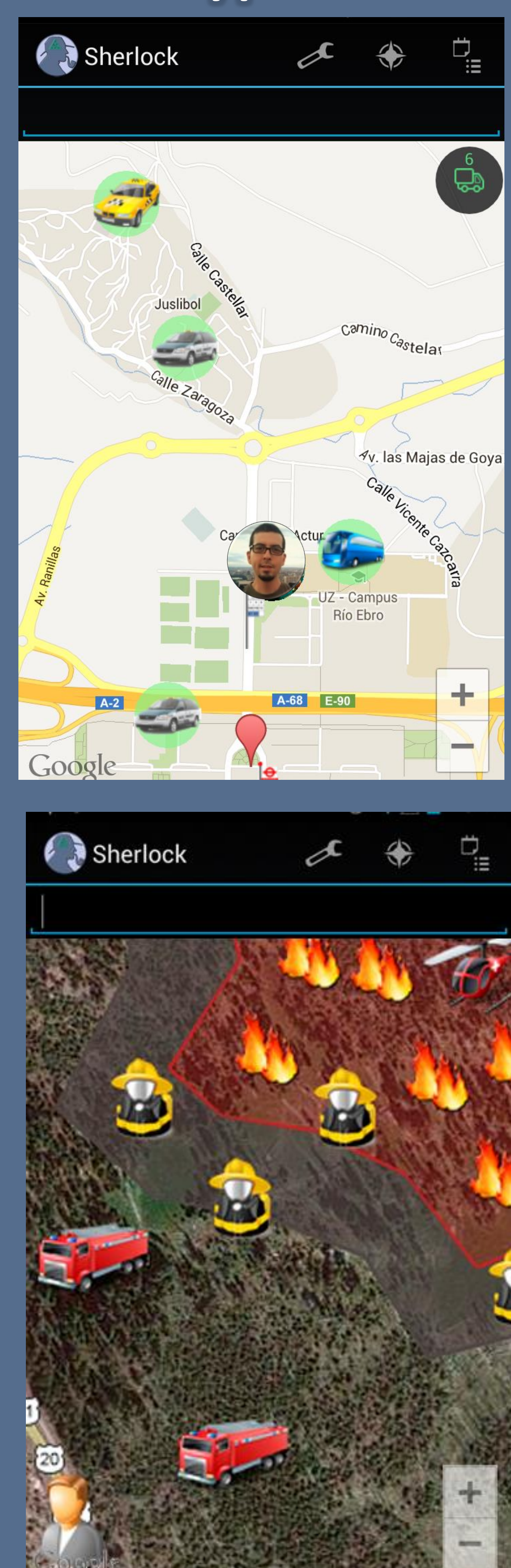


3) Obtain results!

- You select a service
- SHERLOCK
 - deduces the adequate service providers
 - communicates with other devices to locate them on a map
 - keeps this information updated in real-time



Prototype



For more information!



Android Goes Semantic

