

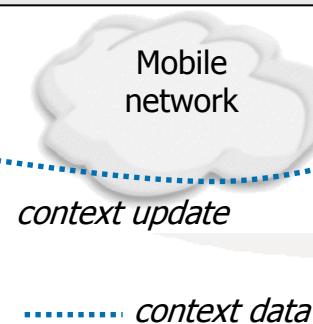
# **Context Representation Formalism and Its Integration into “Context as a Service” in Clouds**

**BORIS MOLTCHANOV**  
The logo consists of a red graphic element on the left resembling a stylized 'T' or a series of parallel lines, followed by the word 'TELECOM' in a large, bold, grey sans-serif font, and 'ITALIA' in a smaller, grey sans-serif font below it.

**[boris.moltchanov\\_at\\_telecomitalia.it](mailto:boris.moltchanov@telecomitalia.it)**

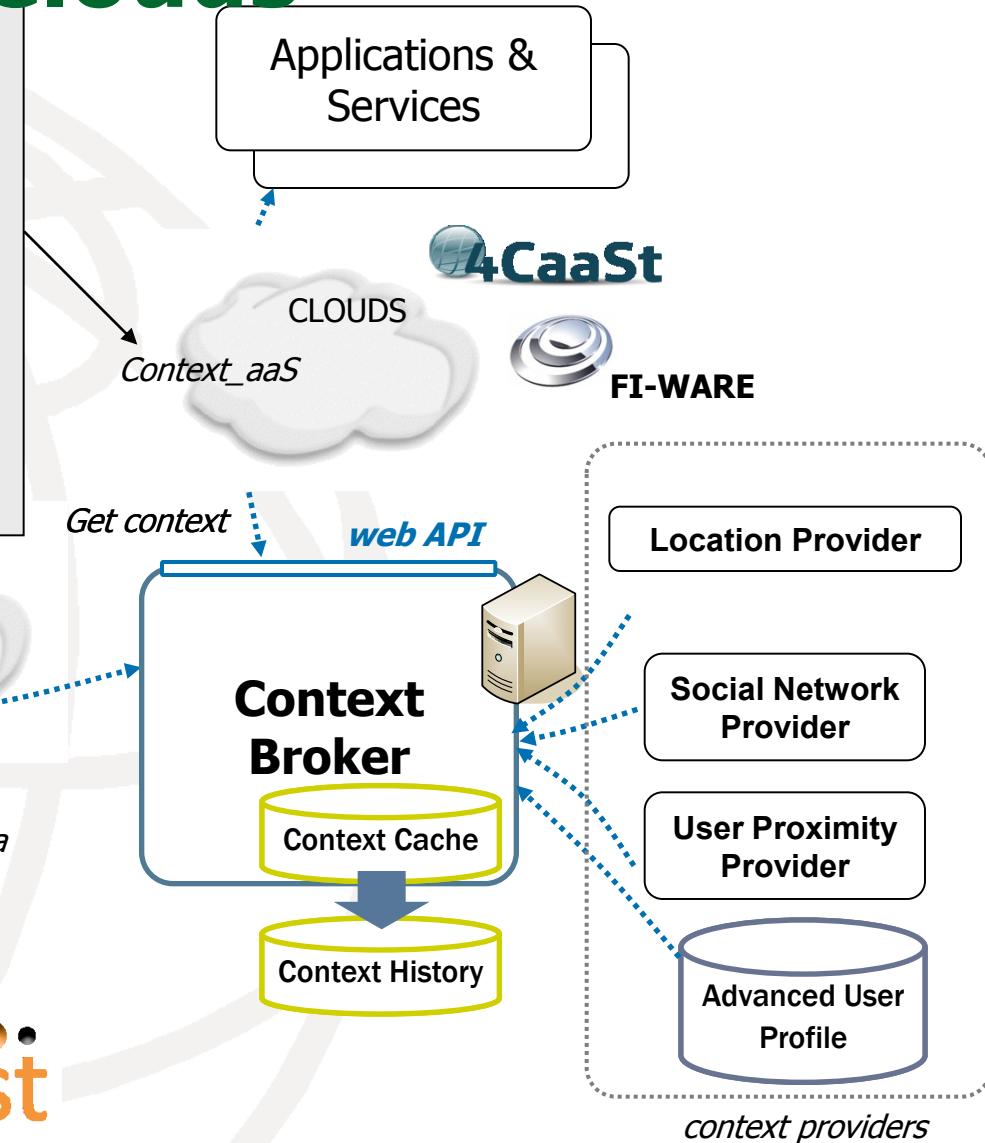
# Context Management & Exposure in Clouds

```
<?xml version="1.0" encoding="UTF-8"?>
<contextQL>
  <ctxQuery>
    <action type="SUBSCRIBE" />
    <entity>username|test2</entity>
    <scope>civilAddress</scope>
    <validity>180</validity>
    <conds>
      <cond type="ONVALUE">
        <constraint
param="civilAddress.city" op="EQ"
value="Torino"/>
      </cond>
    </conds>
  </ctxQuery>
</contextQL>
```



# Cast

Context data: cell, bt, wf,  
deviceInfo, deviceSettings,  
deviceStatus, position,  
movement, ...



# Boutique Advertisement in Shopping Mall

