

Cities as platforms for Innovation and Growth

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Smart Cities are **not just about more efficiency**
providing municipality services ...

... but **transforming Cities into engines of growth**
of the economy and well-being

How?



Transforming cities
into
ICT platforms for applications
=
(infrastructure + APIs)

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Open Data

Open **Big** Data



Real-Time Open **Big** Data

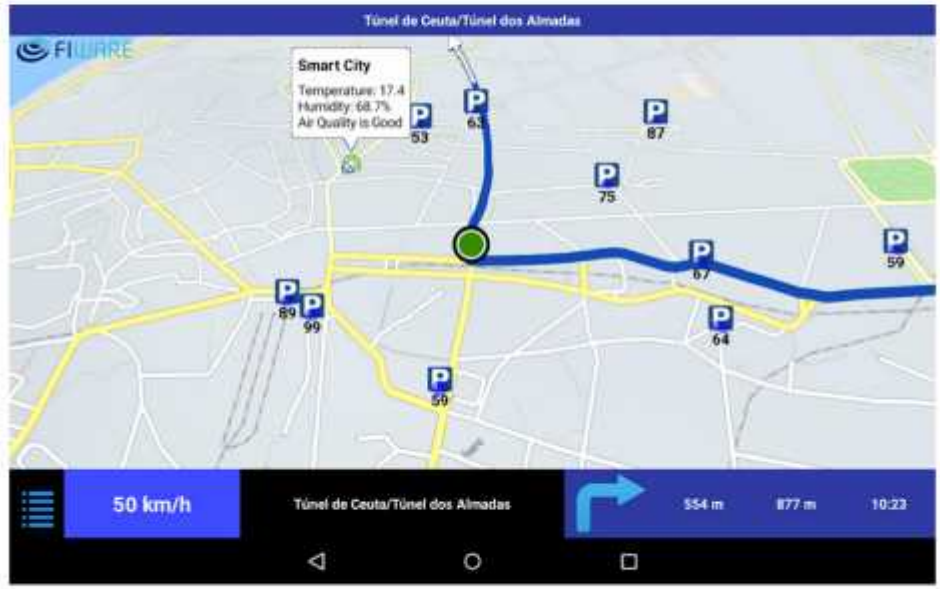
Case example: smart car navigation



HERE 360, the official HERE blog

At SCEWC, taking place in Barcelona from November 17-19, the companies will showcase how real-time open data can be displayed on HERE maps.

The cities of Porto and Aveiro in Portugal, partnering with local SME Ubiwhere, are providing access to data (environmental and events information, and public parking slots information, respectively) using the FIWARE NGSI open standard API (Application Programming Interface).



"FIWARE is an open initiative, targeted to create a sustainable ecosystem that will allow Europe, also other regions who wish to join Europe in this endeavor, to capture the opportunities that will emerge with the new digital wave," explains Jesús Villasante, Net Innovation at the European Commission.

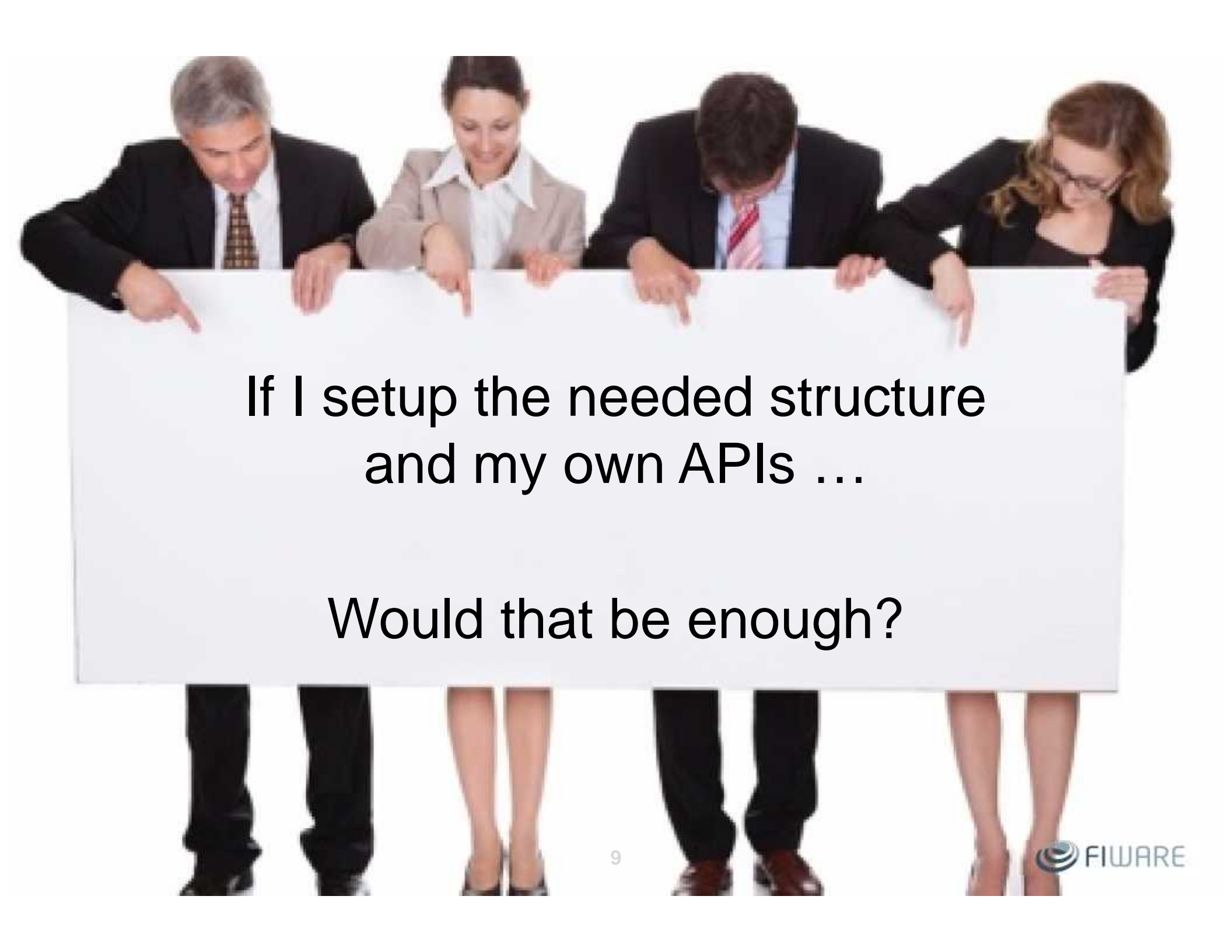
Imagine walking or driving through a city and the city itself tells you which trendy spots to check out, where to park your car in that moment, or which areas to avoid because of air quality or traffic congestion. **In Porto, Portugal, this vision has become a reality and the city itself is already communicating directly with residents, tourists and even startup businesses using FIWARE standards and the UrbanSense platform.**

As one of the first cities that joined the **Open and Agile Smart Cities (OASC) initiative back in March this year**, Porto has been a pioneer city adopting FIWARE standards with the **support of Ubiwhere**, a Portuguese company experienced in the industry and platforms. A key instrument in the development of Porto's open city platform is the **UrbanSense**, which was developed under the **European funded project Future Cities Project**.

As a partnership between the University of Porto and the City Council aiming to create a smart future cities in the city of Porto. The participation of the Citibrain joint-venture and Ubiwhere have developed the **UrbanSense** real-time, contextual environmental monitoring mobile units (monitoring stations) where the data is augmented by scanners and sensors. The city's 200+ fleet of vehicles, creating a smart city. External providers like the city's data providers, social media data and other data are all plugged in to the platform to provide you as you explore, travel, and live. The city has plans to leverage the results of the FIWARE/OASC-compliant urban management platform.



Another example of the initiative, **the city of Porto has just created a competition to support the development of applications on top of its integrated management and control center platform.** With this competition, the city, in partnership with 4 large companies (NOS, CEIIA, EDP and EY) will fund up to 4 solutions with a total of 250 thousands of euros available.



If I setup the needed structure
and my own APIs ...

Would that be enough?



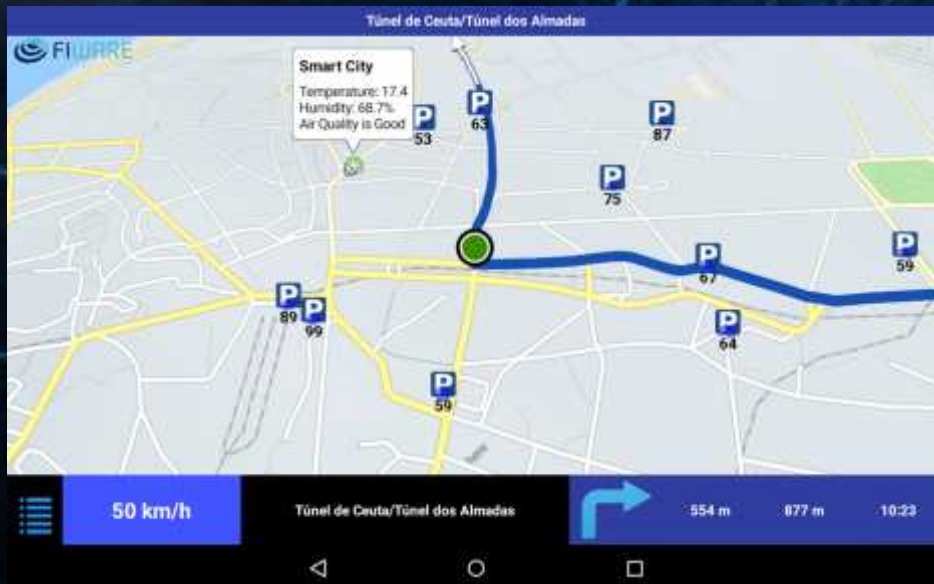
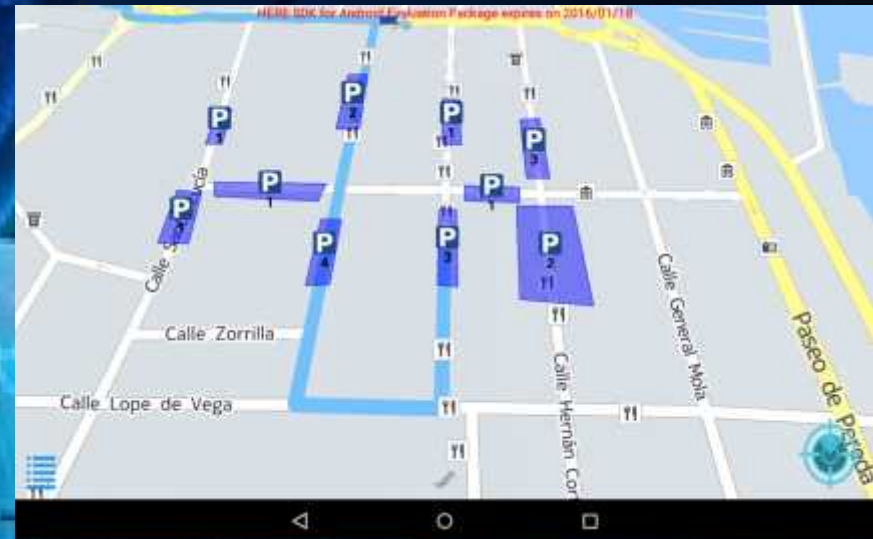
No

One single city
is NOT
a market



City of Santander

City of Porto



#Traction



OPEN & AGILE SMART CITIES

**89 cities
19 countries**

- Common APIs → FIWARE NGSI to start with
- Standard Data Models → CitySDK and more
- Platform for Open Data/API publication
- Driven by implementation approach

More info: <http://oascities.org>





from Open Data

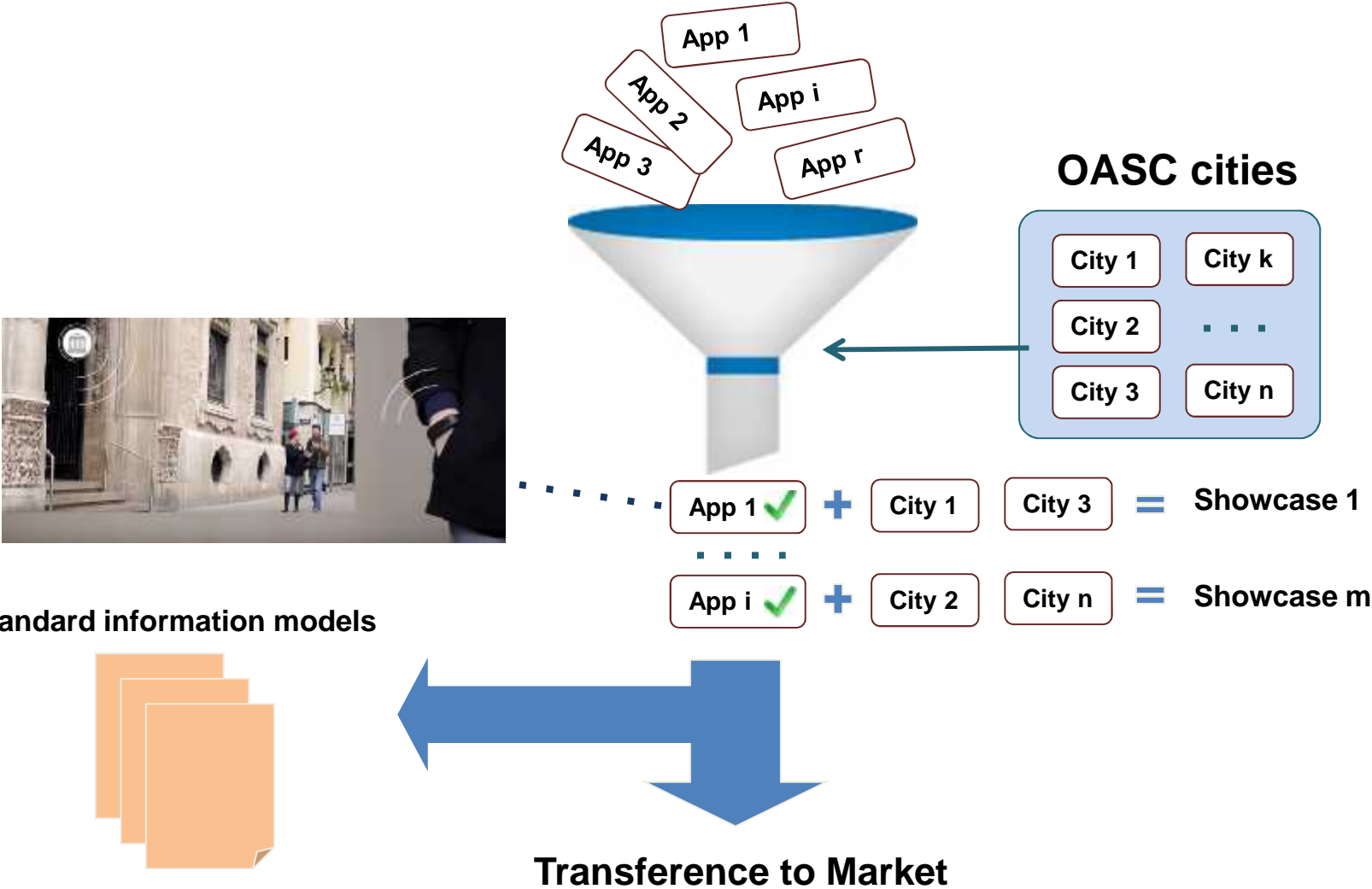


from
Open Data
to the
Economy of Data

Economy of Data
=
Sovereign of Data
+
Business APIs



It's time to execute!



It doesn't matter where is your
city in this journey

**But where your city
wants to be**



DREAM BIG
IT WORKS

