



REACH - NEXT GENERATION DATA INCUBATOR

Movincity: Evidence-based mobility action plans to reach SDGs



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Problem Urban challenges



URBAN HEAT ISLANDS ANALYSIS



TOURISM & URBAN MOBILITY IMPACT ANALYSIS



IMPROVE AIR QUALITY & FIGHT AGAINST CLIMATE CHANGE

Mobility and firecrackers, what most pollutes the air in the Fallas de València

- The Measura Association and València per l'aire carry out a study that shows that the PM₁₀ of the big week are double the usual
- They suggest "checking the quality and quantity of the firecrackers that are burned"



87% of the Valencian territory, exposed to pollution levels that exceed what is allowed to protect crops

Valencia Plaza

SEA POLLUTION

Tourism generates 80% of the garbage on the beaches of the Mediterranean

"This environmental problem is threatening the good health of marine ecosystems and can lead to the loss of biodiversity. It can also have enormous economic impacts," says one of the researchers.



IN THE NETWORKS

1. The controversial speech of the "Torquemada" by Vox: "Artificial fertilization replaces the natural act of procreating and introduces third parties into the male-female couple"

The most read Zenithbr

- 1 The expiration of the ATE of the Nou Mestalla threatens the 'ball' predicted by Valencia CF
- 2 The opposition exams for the 13,000 valencian health places will begin in 6 months
- 3 The Jaime Febrer papers: the businessman's documents uncovered the urban plot
- 4 The Center d'Idiomes de la UV welcomes former senior official José Villar as manager and several of his advisers
- 5 Works, exchanges and urban operations: the 'Azud case' raises the carpets of the PP in Valencia

Valencian beaches accumulate an average of 665 plastics per 100 meters

The Ministry of Ecological Transition concludes that this waste represents 71% of the garbage that affects the



Valencian beaches accumulate an average of 665 plastics per 100 meters

Violet Peraita Valencia | 10 · 05 · 21 | 04101



On the Valencian coast there is an average of 665 plastics per 100 meters of beach, which represents 64.3% of the total objects found on the coast in 2020. This is stated in the annual report corresponding to this period of the General Directorate de la Costa y el Mar, dependent on the Ministry for Economic Transition, which annually evaluates twenty-six

MOST VIEWED

VALENCIA
The Arena Va
the water eq
to irrigate the

Tourism in Valencia, under examination

Limited public toilets, dirt in the streets or shortage of hours and contents in museums are the main complaints of tourists visiting the city



Evidence-based Solution

- Decoding **HUMAN** dynamics.
- **GREEN DEAL** plans & impact.
- **MOBILITY** and **ENERGY** sustainable investments.
- Awaiting Urban **HEALTH**.
- Quantifying cities **STRESS**.
- Contextual **ASSESSMENTS**.

A context-driven solution for real life needs

(Business Intelligence, data analytics and empiric-models driven forecast)



DATA SPACES - *Integration of harmonized data sources*

(Open data, IoT, private data, satellite data...)

Architecture of the solution

Features



Scalability



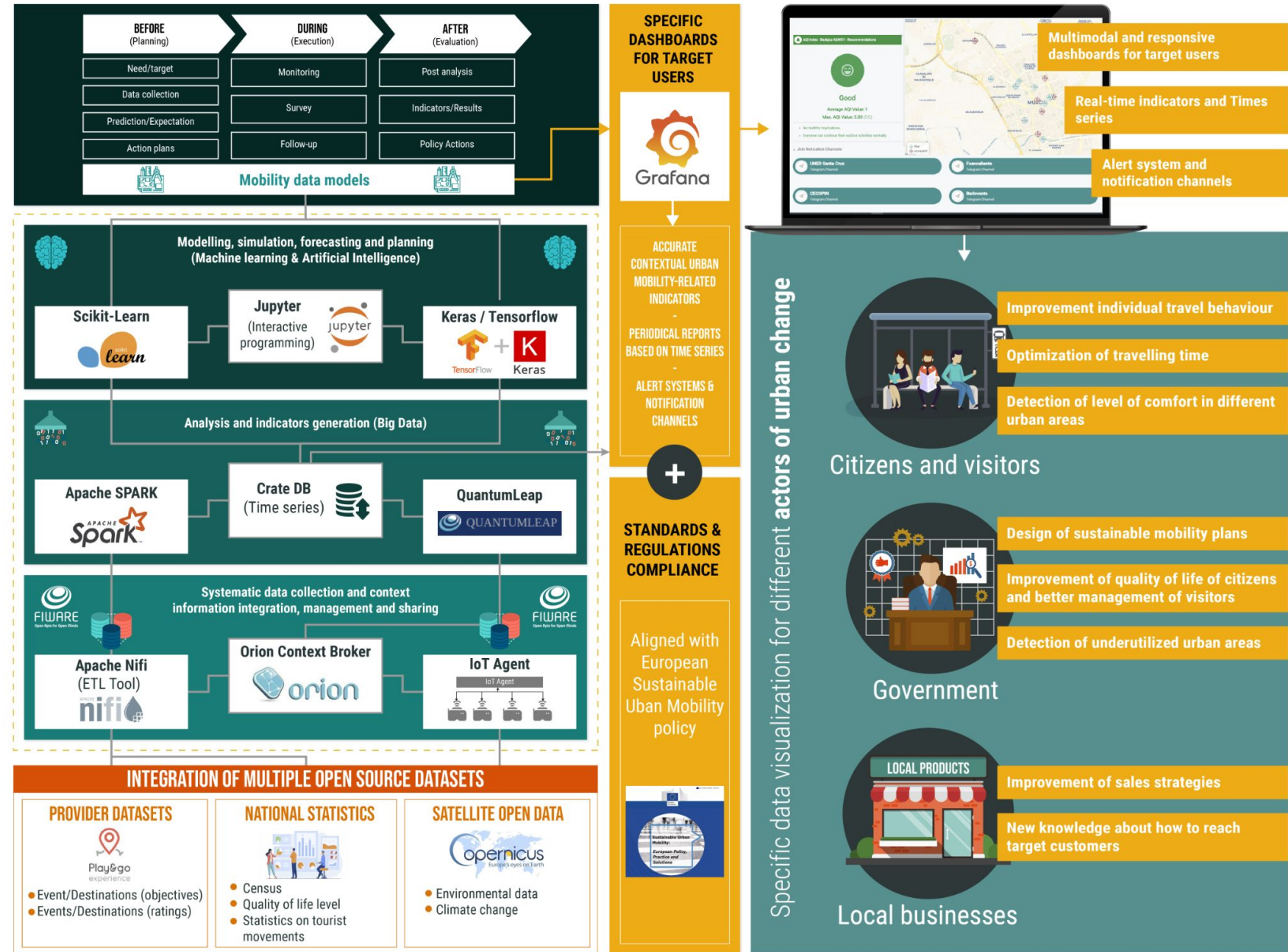
Data Integration



Data Persistence



Flexibility



Evidence-based Solution

Multiple Datasets

Play&Go Experience

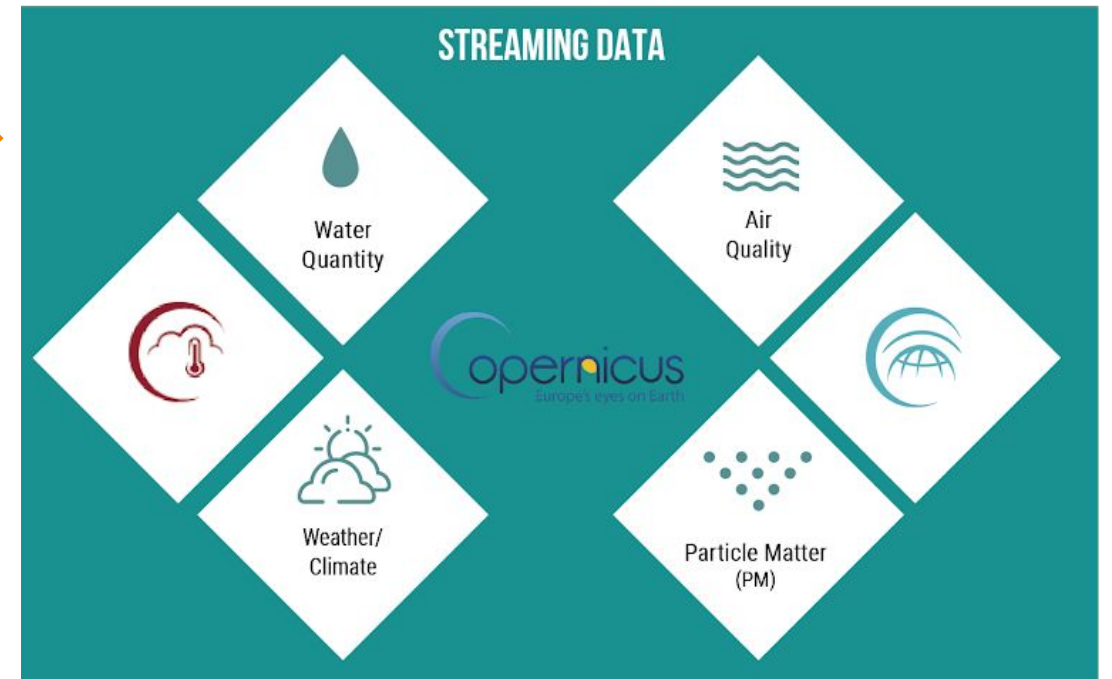
- **Ratings** about Points of Interest from Valencia
- **Objectives** of people from Valencia

Copernicus

- **Climate Change Service: Weather data** service via **Sentinel 3** satellite (land surface temperature, humidity, etc.)
- **Atmosphere Monitoring Service: Air quality data** service through **Sentinel 5P** satellite (SO₂, O₃, NO₂, ...)



Both datasets **GDPR Compliance**



Dashboards

Making easy & assisting decision-making

PILOT CITY - REACH: VALENCIA

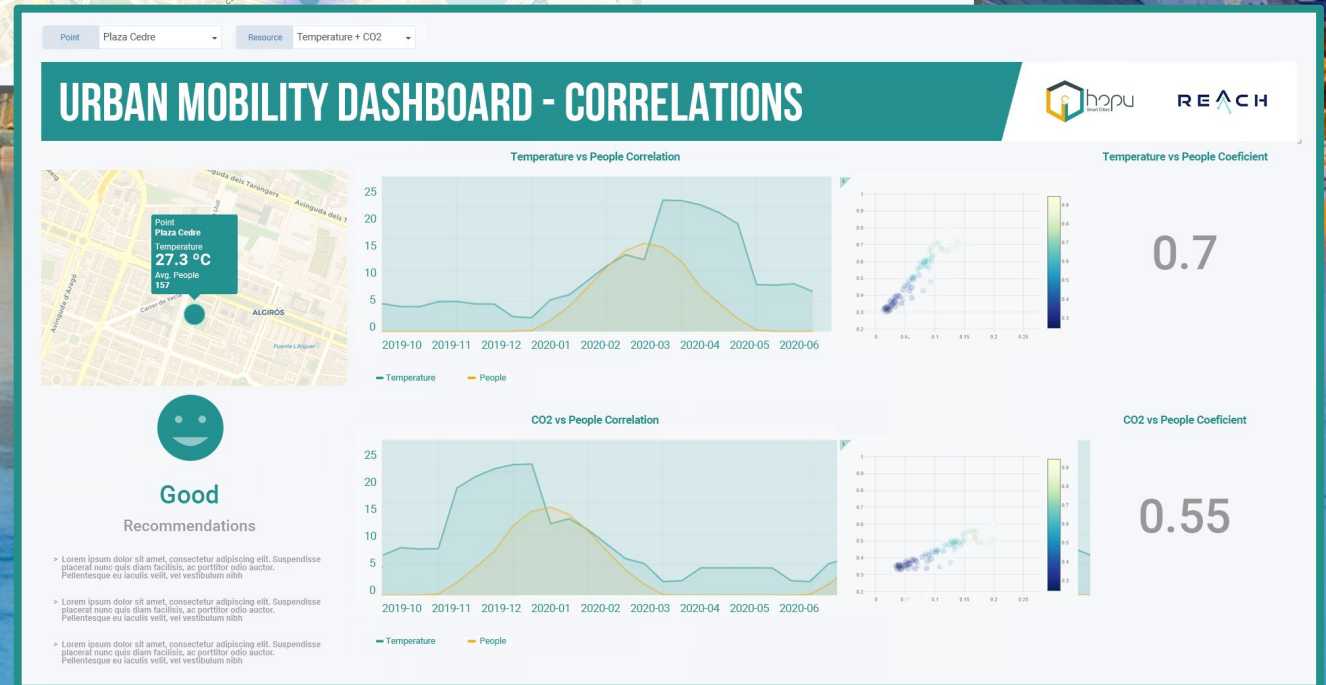
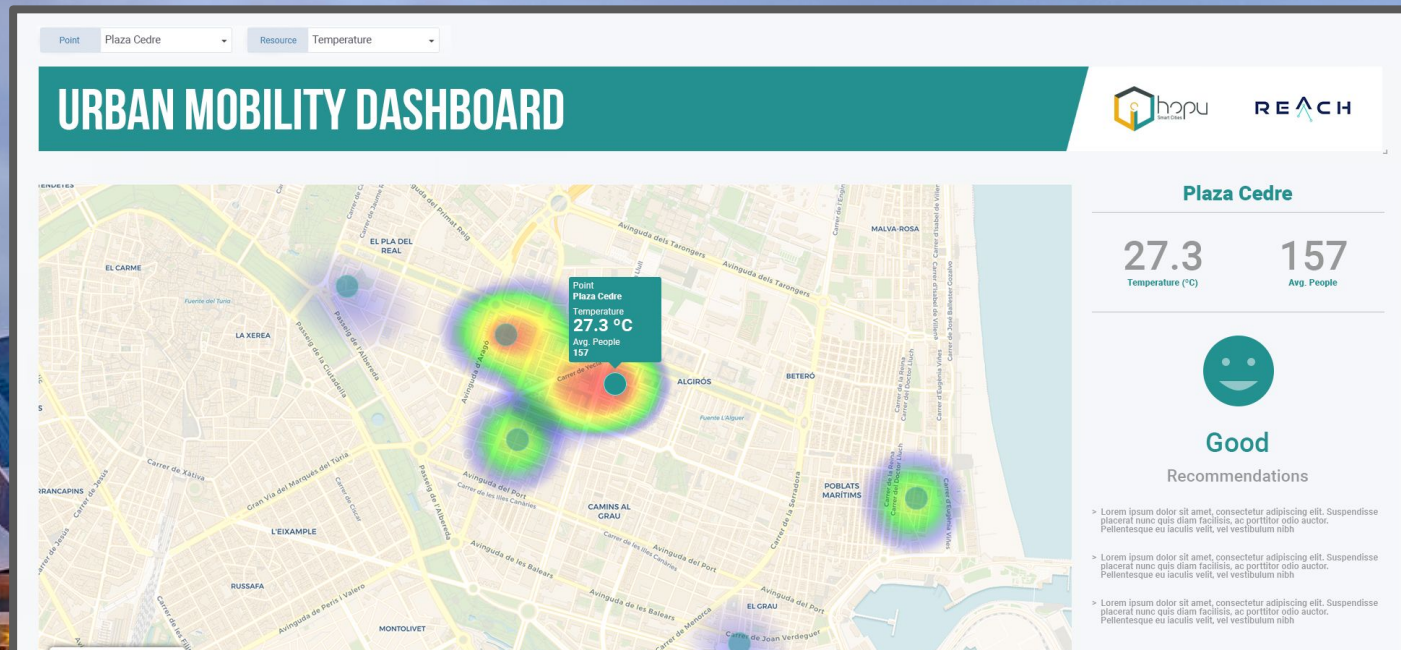


Play&go
experience

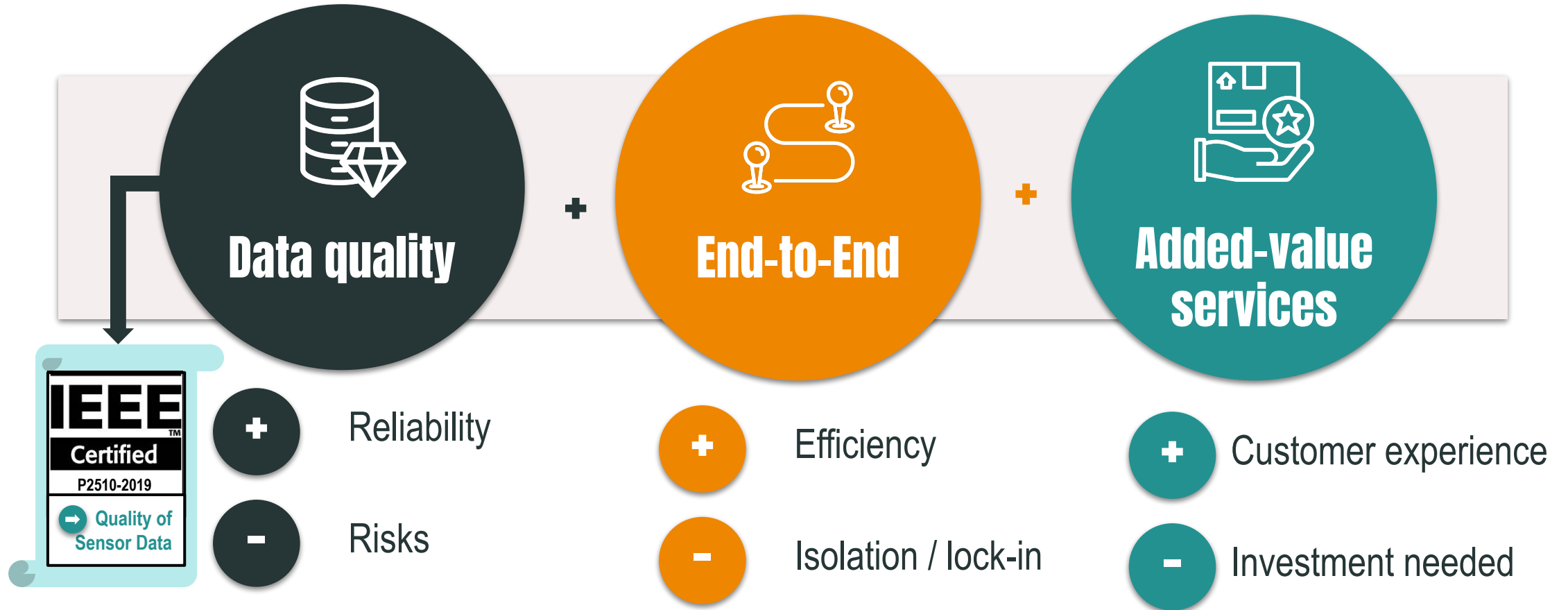
REACH

VLC VISIT
VALENCIA

LAS NAVES



Unique Value Proposition



BUSINESS MODEL

Data & Added value services

YRR
15k€
per city



SaaS Fee

B2B / B2G

- Cloud platform
- Added-value services
- Indicator tools (dashboards)



Public tenders

B2G

- Spain (>20 cities already in the 3 companies portfolio)
- France (>10 cities already)
- EU cities (> 5 cities already)
 - Belgium, Germany, and Sweden



3rd Party distributors (ambassadors / consultants)

B2B2G

- Corporations (Orange, Telefonica, NEC, etc.)
- Other European countries
- Latin American & other markets

CAGR
19,2%

SAM
1,2B€

Urban health & climate models

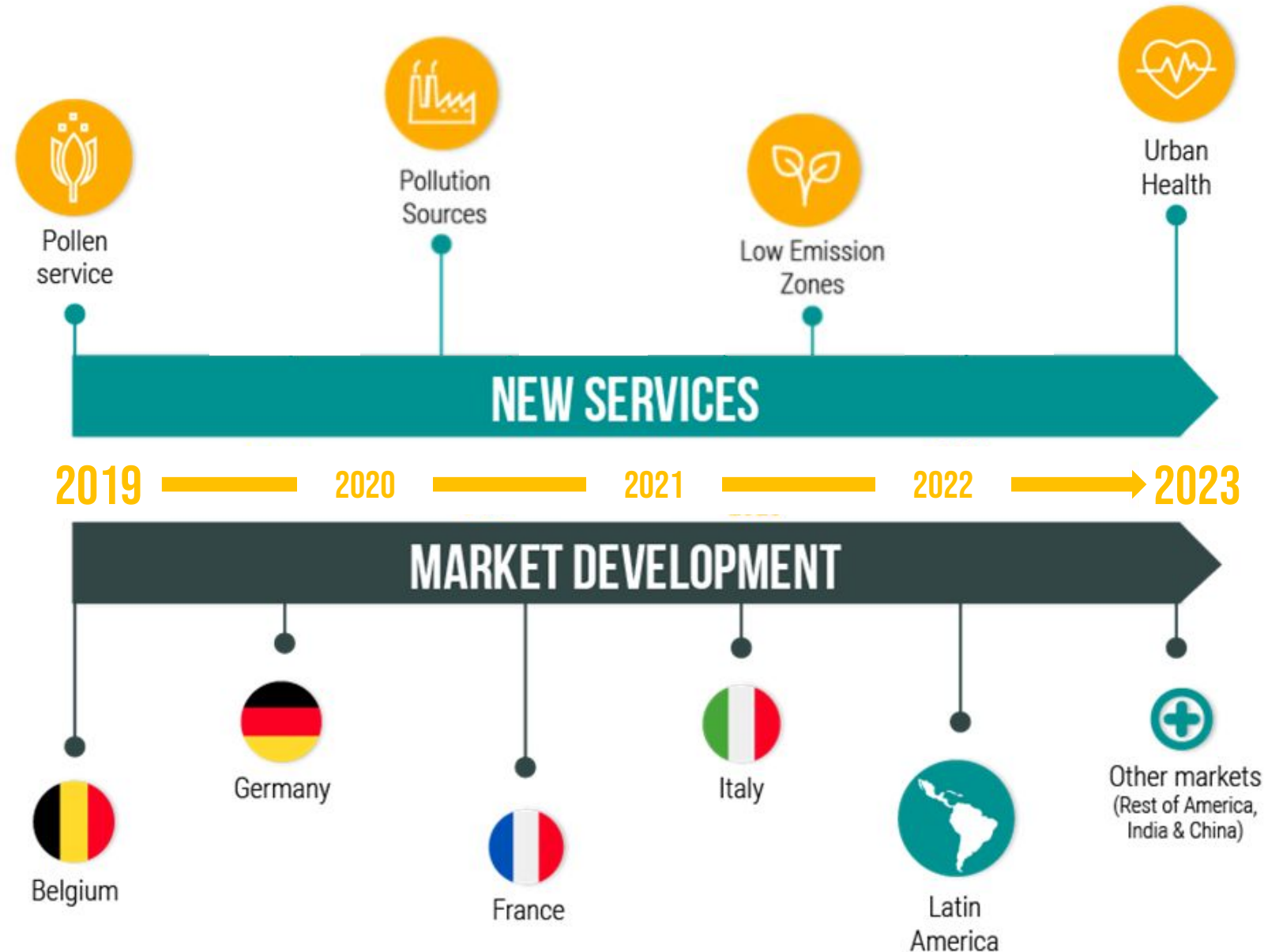


Figures

- Turnover: ~1,5M€ (2020)
- Team: 34 people (FTE)
- Cities: >35 (Recurrent Revenue)
- IPR: Patents & own platform

Current market

- >30 cities in Spain
- 2 cities in UK + MET Office
- >5 cities in Belgium, Germany and partners in other EU states



Business Development

Cities

Distributors

 Wellness TechGroup



- Lisbon (PT)
- Valencia (SP)
- Badajoz (SP)
- Onda (SP)
- Utrera – Seville (SP)
- Lanzarote (SP)
- ...

Public tenders

• **Madrid (SPA)**
Madrid Central / 360
Low Emission Zone (LZE)

+

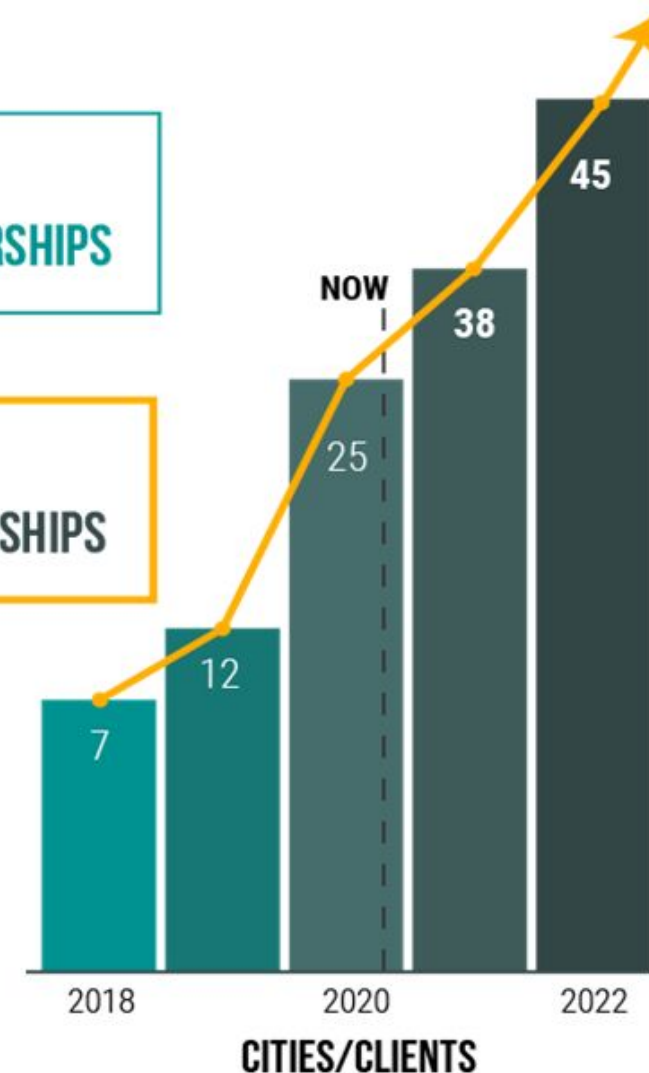
- Girona (SP)
- Santander (SP)
- Cartagena (SP)
- La Palma (SP)
- Mechelen (BE)
- Bruges (BE)
- Helsinki (FI)
- ...

NOW

+ 25 CITIES
+ 14 PARTNERSHIPS

2022

+ 45 CITIES
+ 22 PARTNERSHIPS



At the intersection of 3 exploding markets:

Contextual intelligence market

DATA ANALYTICS (BUSINESS INTELLIGENCE) WITH MARKET IN CITIES

\$16 Billion*



splunk>

Qlik Q
LEAD WITH DATA™

+ **tableau** **TIBCO** Spotfire®

spider S
by IKUSI

NEW MARKET CREATION

CONTEXTUAL INTELLIGENCE FOR INTERVENTION MANAGEMENT & URBAN ACTION PLANS

\$3,6 Billion* by 2025



IBM

Quantela

ARTIFICIAL INTELLIGENCE APPLIED FOR CITIES

\$135 Billion*

envirosuite

Atos

accenture > **tcs** TATA CONSULTANCY SERVICES

DXC DXC.technology

GEOGRAPHICAL INFORMATION SYSTEMS \$2.5 Billion*

Arc ESRI **GIS**

HEXAGON

mapidea

CARTO

MapInfo
THE INFORMATION DISCOVERY COMPANY

tieto **EVERY**

HawaDawa

minsoit
An Indra company

*IDC MarketScape European Pro. Services for Smart Cities 2020, (#EUR146129920, 2020)

*2 Frost & Sullivan (2019) Smart Cities - Frost & Sullivan Value Proposition

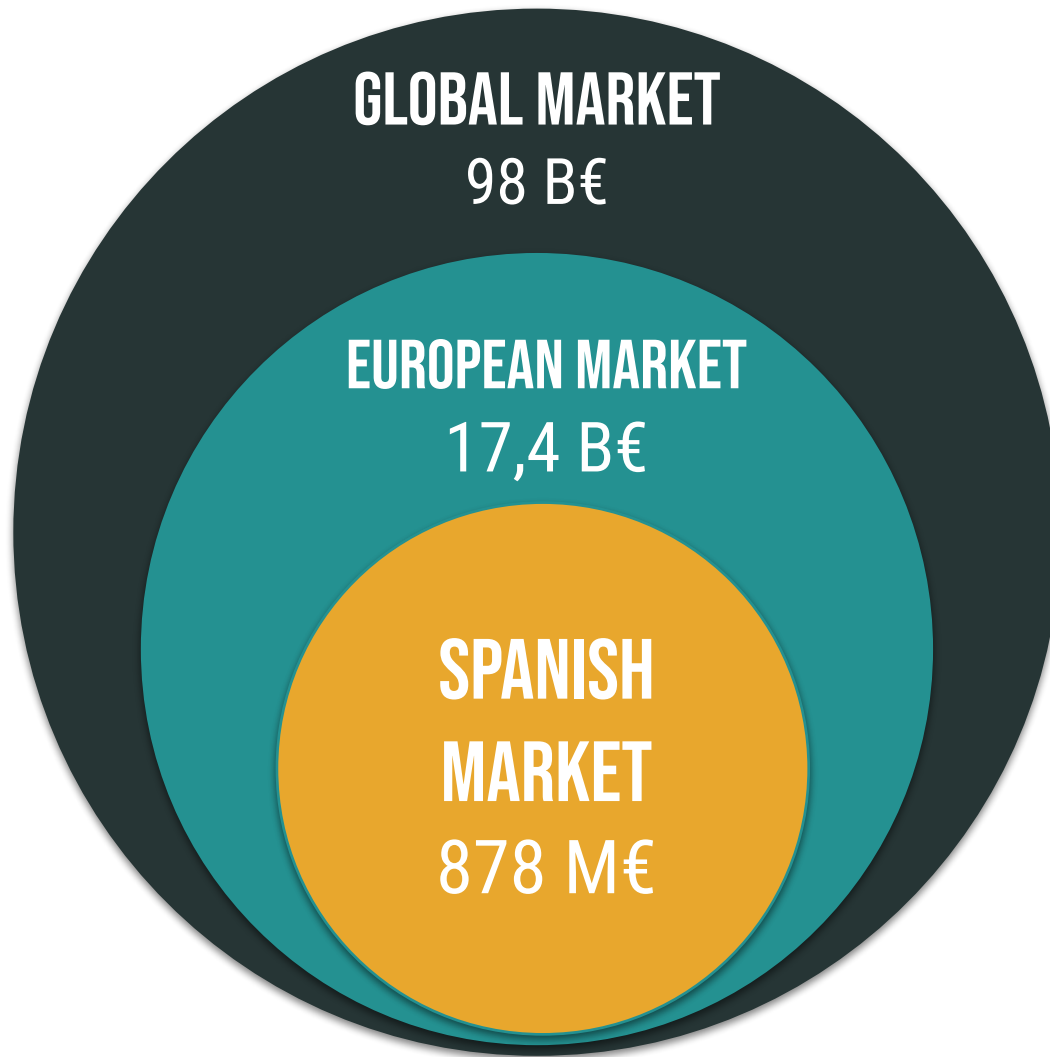
*3 IDC Quarterly Update on European Smart City Activity, How Cities will Thrive in the Next Normal (IDC #EUR146824320, 2020)

*4 Smart Cities <https://www.alliedmarketresearch.com/smart-cities-market> 2018-2025

*5 Forbes <https://www.forbes.com/sites/tomvanderark/2018/06/26/how-cities-are-getting-smart-using-artificial-intelligence/>

*6 IDC, Juniper & Statista <https://www.winimy.ai/blog/the-rise-of-contextual-intelligence-how-to-make-ai-more-intelligent/>

ADDRESSABLE MARKET



G20 Demo + 120 cities network
World Economic Forum

**Intervention management presents a
\$98.17 billion market size**

Added-value services over fine-grain data that supports the
urban design & actionable plans

CAGR
Market
18,23%

TAM
1,3B€
(2020-2030)

YRR
238k€

WHO WE ARE:

Deciding with sustainability in mind, satisfying the Agenda 2030



Mission



Empowering urban authorities with contextual intelligence to support urban sustainable development



Vision



All the urban investments will be driven by sustainability by 2030



Acknowledgements

- **IEEE** chair of Data Quality Standard (P2510)
- **FIWARE Foundation** co-chair Smart Cities chapter
- **ETSI NGSI** data economy with ethics (data spaces)
- **IPSO Alliance** Award (Sponsored by Google)
- **MIT** Best Smart City Demonstration Award
- Urban innovation award by **Le Monde 2020**
- **EIT Urban Mobility** Scale-up GoGlobal 2020
- **GovTech scale-up 2021** IE Business School
- Catalyst Award 2019 **Green Electronic Council**
- **Solar Impulse Foundation** 100 solutions

Le Monde SMARTCITIES
Les prix de l'innovation



SOLARIMPULSE
FOUNDATION



Massachusetts
Institute of
Technology



Investors:



Acceleration programmes:

Team

EXPERIENCE

A team committed to create a sustainable model for cities



JAVIER SÁNCHEZ

UX EXPERT

 **MASTER IN CREATION OF VIDEO GAMES**
& graduate in graphic design

 **+4 years**
Experience in UI / UX and frontend development



ARTURO HARO

SOFTWARE ENGINEER

 **COMPUTER ENGINEERING**


 **+3 years**
Experience about FIWARE as a smart city ecosystem



IRIS CUEVAS

CTIO

 **INDUSTRIAL ENGINEERING**
(Chemist) and expert in Quality Control

 **+4 years**
Experience in quality and new materials



DR. ANTONIO J. JARA

CEO

 **PhD / MBA**
MBA & Computer engineer


 **+10 Years**
In entrepreneurship, in-situ data management & IoT



SONIA TOVAR

INFORMATION MANAGER

 **MASTER IN INFORMATION TECHNOLOGY**
Information systems management and Business Technology.

 **+5 years**
In data management.



EDUARDO ILLUECA

CIO

 **MASTER IN BIOINFORMATICS**
& graduate in Biochemistry & Industrial PhD Student

 **Awarded**
Prize for the Best academic record in Bioinformatics



DIEGO POLLÁN

STRATEGIC MARKET ANALYSIS

 **MBA IN INTERNATIONAL MANAGEMENT**
& graduate in Business Administration And Management

 **Excellence Program**
Participant of Scholarships "Internationalisation" by ICEX



THANKS

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