"Sweating to make data driven policies a reality"
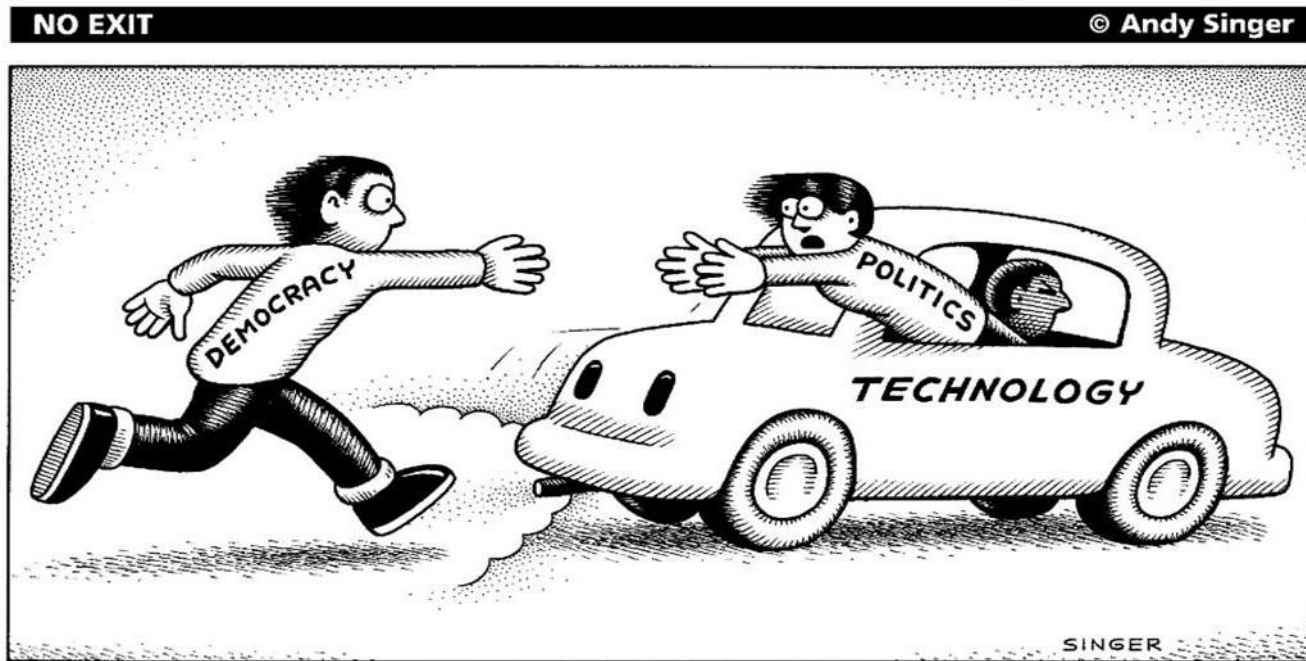
Municipal Data Office

BARCELONA CITY COUNCIL

LET'S FACE THE TRUTH

DATA EU MODEL?

Ajuntament de Barcelona

Co-funded by the European Union

SPOOKY?

CHALLENGES

INTERNAL

"GDPR" not an issue

This has nothing to do with IT

We are not talking about the "BD"

Procurement

EXTERNAL

Here it comes again

The "Trade Secret" argument

The "Operational" discussion

MAIN PILLARS

1. To support more effective delivery of public services to Barcelona citizens for greater equity, safety and quality of life **(Data as an Infrastructure)**.

2. To integrate the use of Big Data & Data Analytics to improve public decision-making **(Data driven projects)**.

3. To promote a genuinely collaborative and innovative economy facing citizens needs **(Data Commons)**.

4. To enforce data & algorithmic transparency **(Data Ethics)**.

5. To stand for citizen's data rights **(Data Sovereignty)**
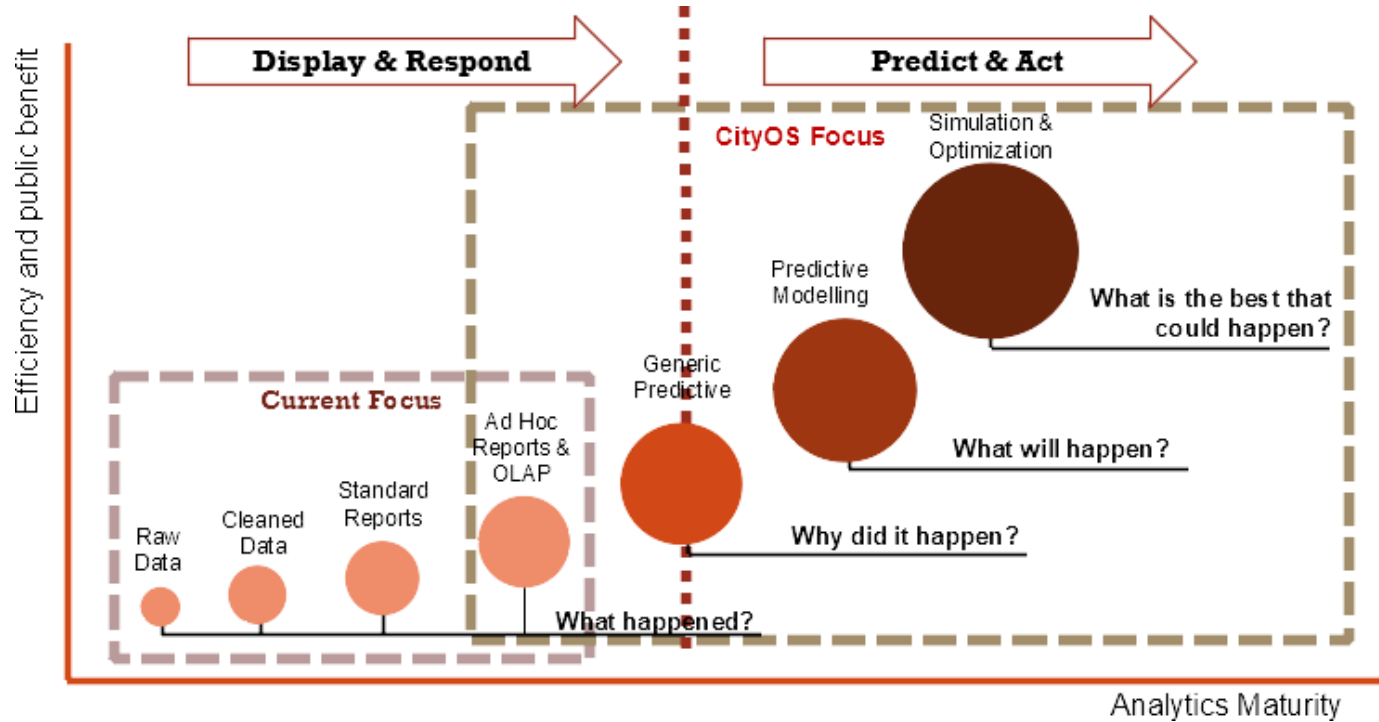
GOALS

- Establish Data Governance Model.

- Set up a Common Vision & Data Strategy within City Council.

- Extend the use of Data Analytics, to better understand our citizens, their needs and improve city management.

- The strengthening of data sovereignty, dissemination, availability & transparency

- Facilitate technological alignment.

ADDING VALUE TO DATA

CHALLENGES

- Breaking Internal Silos - Evangelize

- Data Science Training – Talent Attraction

- From Long Term Strategic Plans to Short Term Predictive Modelling

- Obtain Data from Big Private Players (Utilities, Mobility, Real State….)

- Social Awareness

Attraction: Lets face it, we will not get the most talented people but ….

Retention: The key - from vertical to a transversal challenge approach

DECISION TIME!

- Internal resources. No outsource (as first option).

- "Agile" Approach: Deliver, deliver, deliver.

- FLOSS (Continuous improvement, sovereignty)

- Co-work: Data Office+ IT Unit + Business Unit

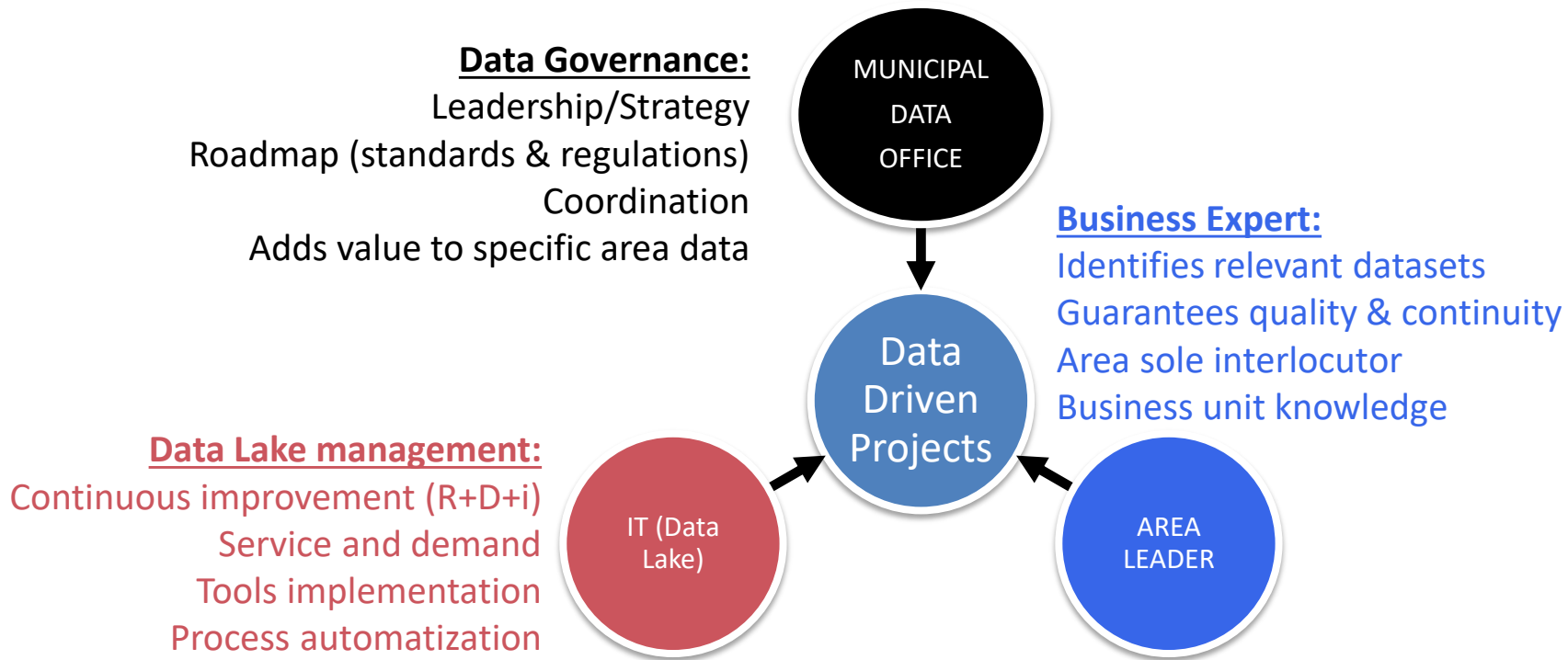**Run from perfection, is the enemy of the good**

HANDS ON WORK AS A DRIVER

- "*Agile*" Approach. Deliver, deliver, deliver.

- Internal resources. No outsource (as first option).

- Technology deployment (Data Lake-CityOS).

- FLOSS (Continuous improvement, sovereignty)

- Co-work - MDO+ IT + Business Unit

AREAS & FUNCTIONS: relationship model

Data Governance:
Leadership/Strategy
Roadmap (standards & regulations)
Coordination
Adds value to specific area data

MUNICIPAL DATA OFFICE

Business Expert:
Identifies relevant datasets
Guarantees quality & continuity
Area sole interlocutor
Business unit knowledge

Data Driven Projects

Data Lake management:
Continuous improvement (R+D+i)
Service and demand
Tools implementation
Process automatization

IT (Data Lake)

AREA LEADER

- Automatize ingestion – API

- Link with Open Data

- Industrialization

- API Consumption

THE OUTPUT

MUST provide:

- Answer to business unit (they are the experts).

- Share knowledge instruments/solutions.

- Big-data analysis capabilities.

- Near real time analysis.

- Add (at a later stage) predictions.

OPPORTUNITIES

- Nearly 70% Population living in urban Areas by 2050

- Push as City Coalitions

- Share Knowledge: Models, Scripts, Algorithms, …

- Academia Knowledge

- Public Purchase as a Leverage

- Private Discredit vs Public Transparency

EXAMPLES

https://portaldades.ajuntament.barcelona.cat/en

DATA EXAMPLES
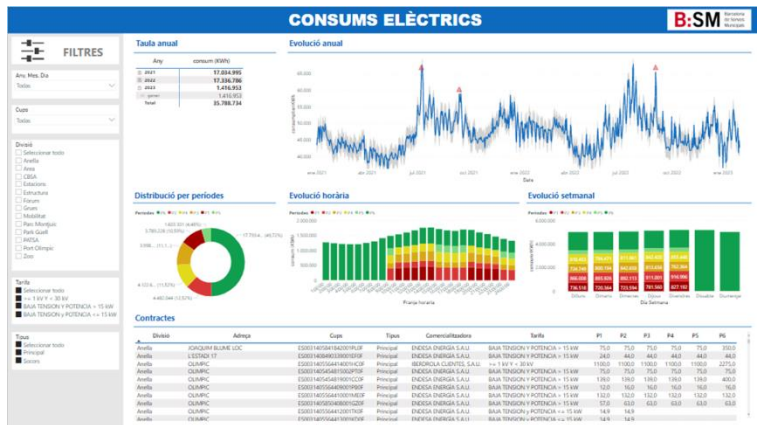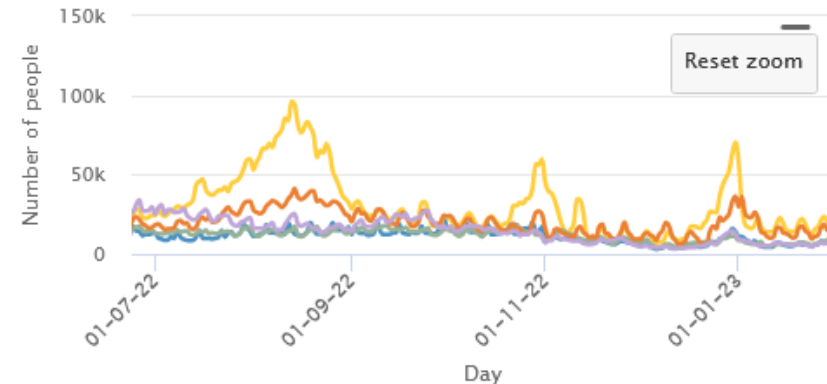
DATA EXAMPLES

Thank You

MOLTES GRÀCIES

Pau Balcells
pbalcells@bcn.cat

Ajuntament de Barcelona