

## A system that puts the right information about Bogotá's Council front and center for the Town Hall to keep control on it.

Repository: <https://github.com/EstebanDalelR/Thesis-Viz>  
<http://www.concejoabierto.co/>

Live app:

### The Problem

The Town Hall takes too long to find out about the events that happen in the Council

The Town Hall Cannot change how it operates due to the Law and Contracts

The team in charge of alerting the liable or responsible Secretary has no reaction capacity.

The team uses Excel<sup>™</sup> software to upload and process data, but has a single engineer to process all the data

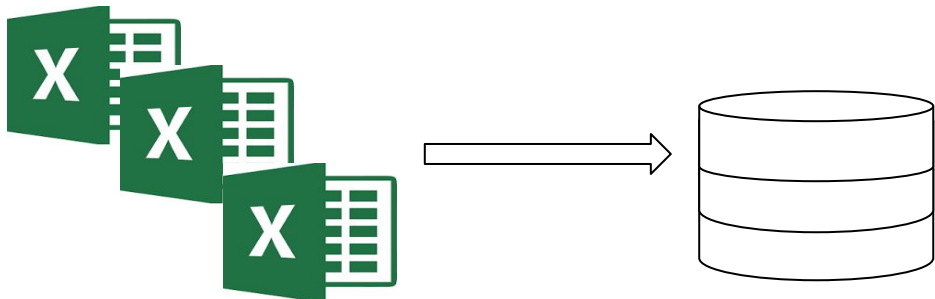


The Engineer has a lot of power in the team, so it is suspected that a the bottleneck is kept in favor of bureaucracy

When executing the consultancy, the team noticed apprehension towards change and making information public, even if it made their job easier

### The Process

A group of researchers, led by Mónica Pachón, the Dean of Political Science, Government and International Relationships at Universidad del Rosario was hired for a consultancy by the Town Hall and was allowed full access to part of the data, all employees and processes that concerned the Council.



The research team interviewed the Town Hall team and analyzed all the processes they used

All they data collected was uploaded to a database, cleaned and shown properly for relational investigation and cross checking

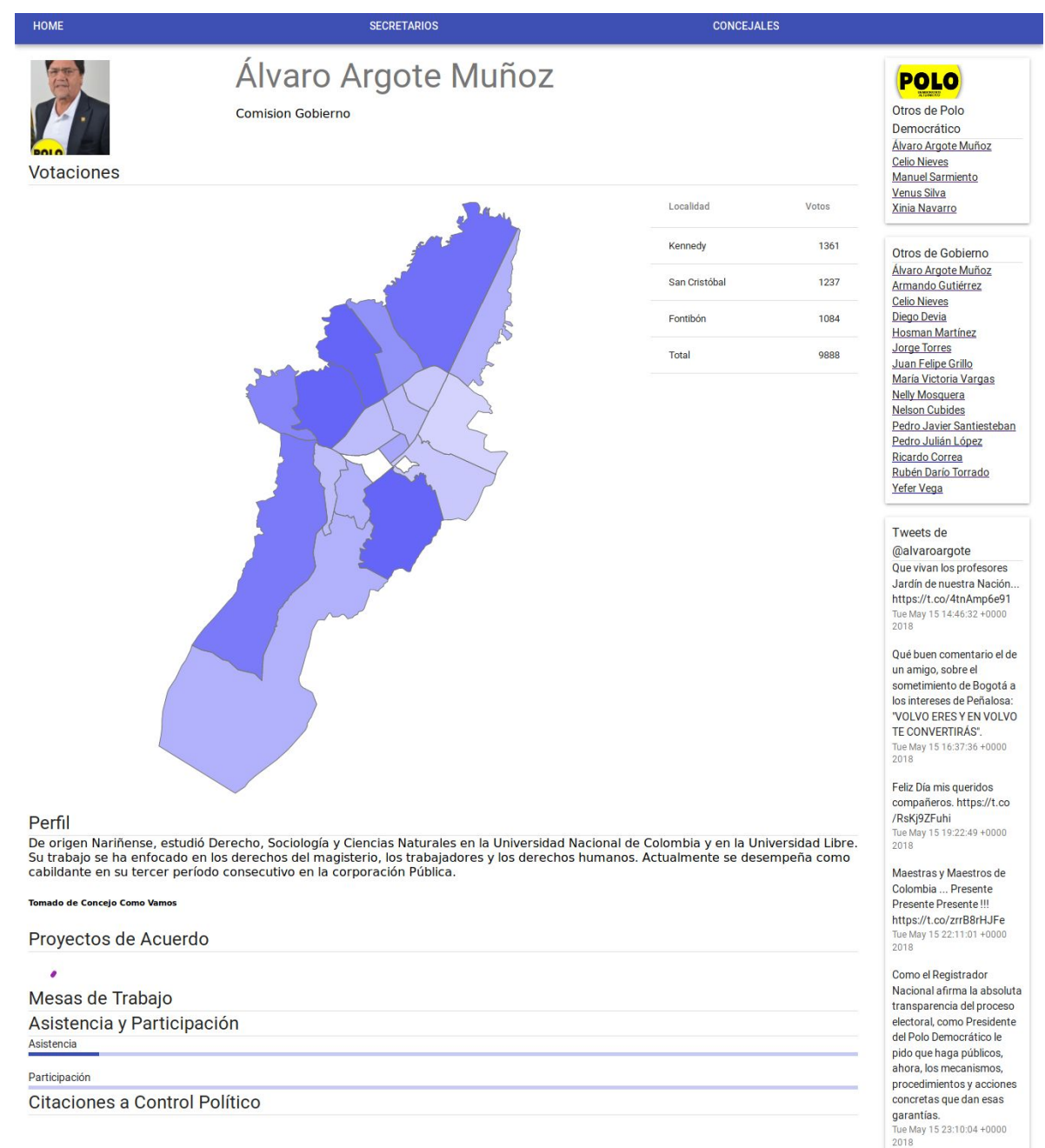
### The Solution

Concejo Abierto has a Secretary and Councillor directory in which each Councillor profile shows:

- How a Councillor looks
- Their full name
- Biggest voting counties
- Their profile prior to this term
- Recent political moves
- Other Councillors in the same party
- Other Councillors in the same Commission
- Their latests Tweets
- Their commission attendance and participation

The use case is a Secretary using their phone on route to the Council, clearing up doubts on who and why they were summoned.

Concejo Abierto also has an open API to query all the available data for researchers requiring it.

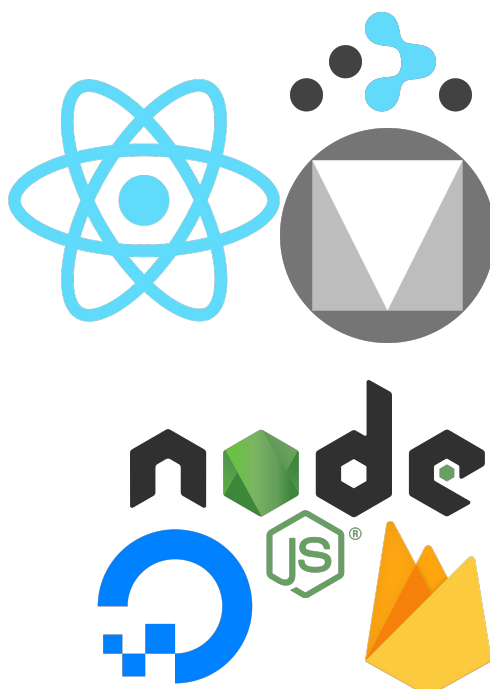


### The Architecture

For the backend, Firebase was used to allow quick deployments and stability and Node for fast reactivity.

In the frontend, React was used as the framework, with React Router for routing and Material Design for the aesthetics.

All the code was freely hosted on GitHub and is completely open source. All tests, before release, were done on a Digitalocean server.



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