

REACH

Bilbao

GALDE



Fire Dash

Optimizing Bilbao firefighters' teams interventions – Business Pitch

Beñat Galdós

Founder (Galde)

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EMERGENCIES ARE:



Unpredictable



Quick



Costly
(+ inefficient)



MARKET



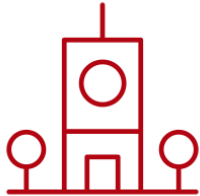
**€7 billion @ EU
(2022)**



**€2 billion @ EU
(2022)**



**€500 million @
Ohio, only 1
incident (2023)**

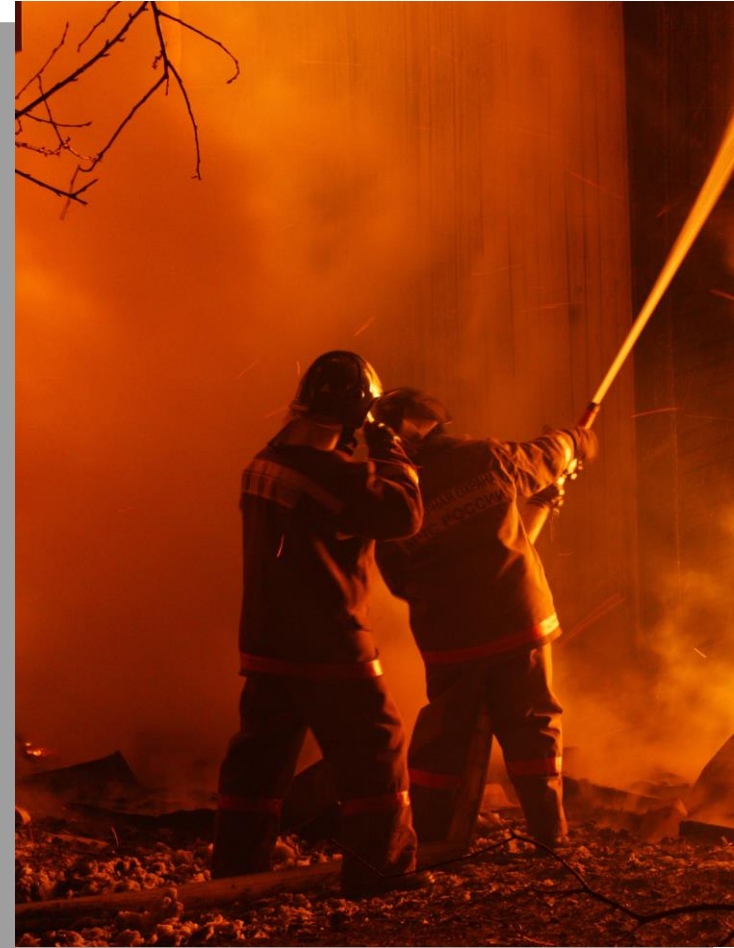


8131 @ Spain

<https://www.euronews.com/my-europe/2023/01/11/wildfire-damages-cost-2-billion-last-year-says-eu-commissioner>

https://joint-research-centre.ec.europa.eu/jrc-news-and-updates/facing-increasing-river-flood-risk-europe-adaptation-measures-can-save-lives-and-billions-euro-2023-02-06_en

https://www.ine.es/infografias/infografia_padron.pdf





SOLUTION



Analytical platform to optimize firefighters' interventions and tactics in incidents:

1. Galde's Knowledge from industrial Business Intelligence (Logistics)
2. Neural Network to consider constraints
3. Time Series Modelling

Real-time data and insights.

Easier adaptability to different types of incidents (chemical spreads, floods, wildfires, etc.).

Clearer and faster firefighter teams' asset mapping and awareness.

Best practices gathering to train future firefighter teams.

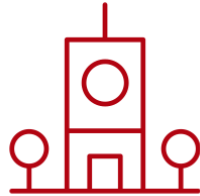


BUSINESS MODEL

Subscription-based

Annual License: €50K/year + Installation fee

Go-To Market: 1 year



1 (2023 – Bilbao)



4+1 (2024)



16+5 (2025)



60+20 (2026)

...

Internationalisation
(Portugal, France, EU)

Sales options to be explored:

- FireDash “Franchise”: Sell IP usage to other BI consultants.
- Lobbying and Open GovTech programmes (both in Spain and EU).



TEAM



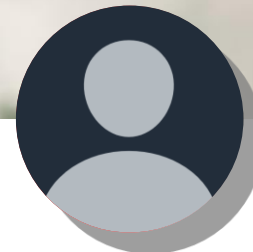
Beñat Galdós

Founder of Galde, Co-Founder and CTO of Panoramic. More than 8 years of experience in tech (digital marketing, cybersecurity, AI), leading AI architecture and R&D development for clients.



Jon Egaña

Full-Stack Developer at Galde. More than 5 years working with web technologies, SQL and NoSQL databases, and Amazon Web Services deployments.



Undefined

Looking for the third profile (3+ experience years) to support on the Data Analytics side, further developing and fine-tuning the algorithms and assisting on their proper implementation on the Big Data toolset.

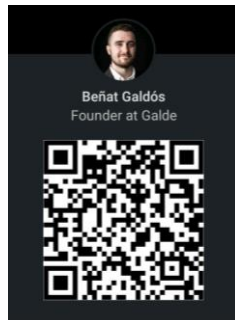
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APPENDIX

DATA



Risks.
Assets.
Hazards.
Weather.



Inventory of
assets, tactics and
procedures.
Events.

INTERNATIONAL DATA
SPACES ASSOCIATION



Data Value Chain: IoT Project



OTHER SOURCES

OPENDATA EUSKADI

Weather data.
History of wildfires and floods.

FIREFIGHTER MANAGEMENT SYSTEMS

Interventions, tactics and procedures history.
Intervention scoring methodology.
Compiled best practices.

OTHER POTENTIALLY RELATED MANAGEMENT SYSTEMS



Input Layer

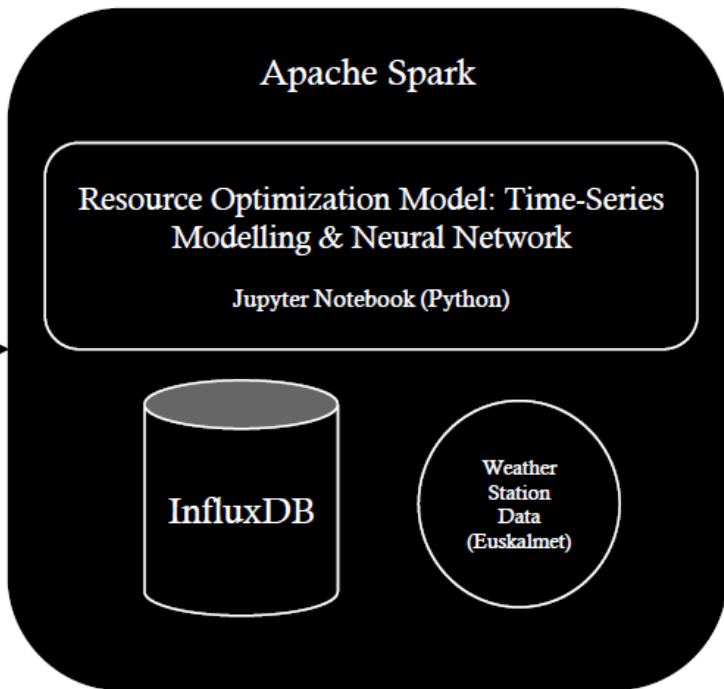
Processing Layer

Dashboard Layer

REACH Data
Providers: Bilbao
City Council

OpenData
Euskadi

Firefighters
Management
System



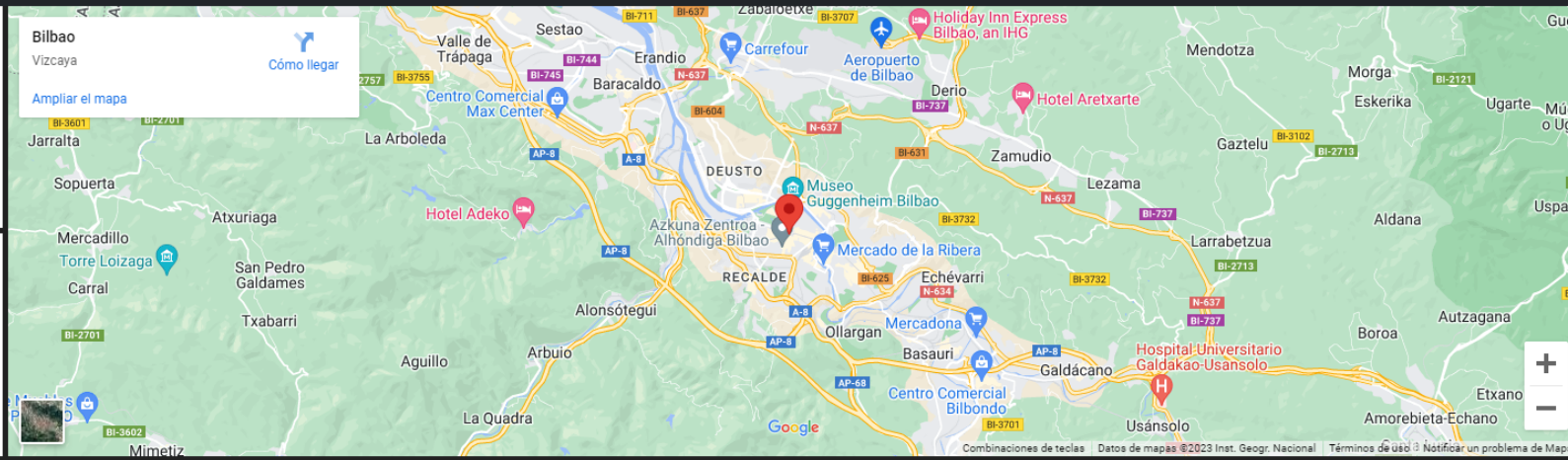
Grafana &
Galde
Dashboard
Generator

Weather Warnings

1

Shelter Occupancy

25%



Open Shelters

64

MRPs Deployed

8

+0 last 24 hours

Road Closures

3

+0 last 24 hours

PC

9

+0 last 24 hours

Active Incidents

2

+0 last 24 hours



This project has indirectly received funding from the European Union's Horizon 2020 research and innovation programme under project REACH Incubator (Grant Agreement no. 951981).

REACH

NEXT GENERATION DATA INCUBATOR



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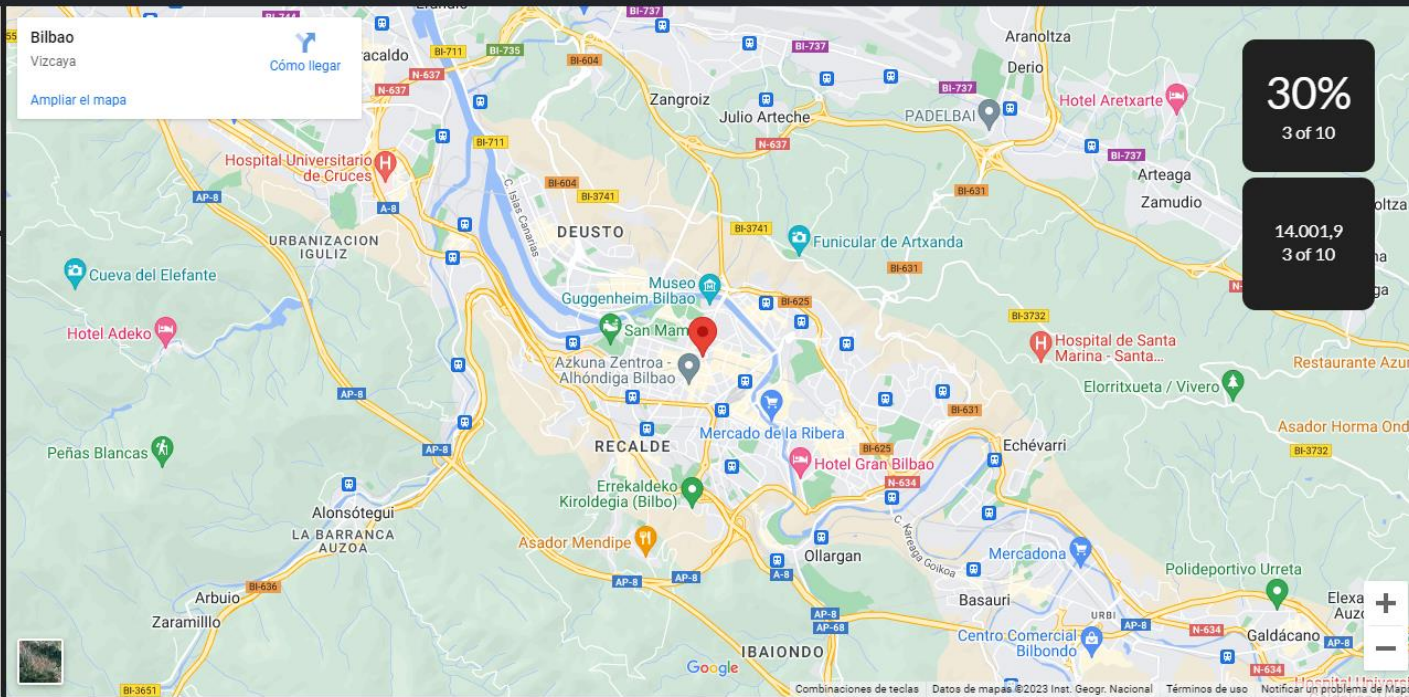


Lorem ipsum



Lorem ipsum

Area 1 Lorem ipsum dolor sit amet	Destroyed
Area 2 Lorem ipsum dolor sit amet	Lorem
Area 3 Lorem ipsum dolor sit amet	Destroyed
Area 4 Lorem ipsum dolor sit amet	Lorem
Area 5 Lorem ipsum dolor sit amet	Lorem
Area 6	



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