## 4th Aporta Challenge: The value of data for health

## and well-being of citizens

**Finalists Phase I: Ideas Competition**

### Getting closer to the patient

Platform to know the mortality risk of each area, as well as the optimal landing site for emergency rescue vehicles, in order to reduce rescue time.

**Team:** SialSIG aporta, composed of Laura García and María del Mar Gimeno.

### Hospital pressure monitoring

Interactive dashboard for monitoring and predicting hospital pressure, improving resource planning and avoiding collapse.

**Team:** DSLAB, data science research group at Rey Juan Carlos University, composed of Isaac Martín, Alberto Fernández, Marina Cuesta and María del Carmen Lancho.

### RIAN - Intelligent Activity and Nutrition Recommender

Mobile app that uses gamification techniques, augmented reality and AI to promote healthy habits and combat overweight among children and teenagers.

**Team:** RIAN Open Data Team, composed of Jesús Noguera and Raúl Micharet.

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### MentalReview - visualising data for mental health

Tool for monitoring mental health in the Spanish population. It allows to analyse data, calculate indicators and generate visualisations and interactive maps.

**Team:**  Kairos Digital Analytics and Big Data Solutions S.L.

### HelpVoice!

A service that uses speech recognition techniques based on machine learning to enable older people to easily report emergencies.

**Team:** Data Express, composed of Sandra García, Antonio Ríos and Alberto Berenguer.

### Living and liveable cities

Interactive website with high resolution spatio-temporal shading maps and generation of shadow routes in the city of Seville.

**Team:** Living Cities, composed of Francisco Rodríguez-Sánchez and Jesús Sánchez-Dávila.

### Impact of air quality on respiratory health in the city of Madrid

Study to analyse the impact of air pollution on the number of hospital admissions due to respiratory diseases.

**Team:** So Good Data, composed of Ana Belén Laguna, Manuel López, Vicente Lorenzo, Javier Maestre and Iván Robles.

### PLES

Web application with estimates of the average waiting time for consultations, tests or interventions in the Catalan public health system.

**Team:** BOLT, composed of Víctor José Montiel, Núria Foguet, Borja Macías, Alejandro Pelegero and José Luis Álvarez.

### The Hospital Morbidity Survey

Web environment for the analysis and interactive visualisation of the Hospital Morbidity Survey microdata.

**Team:** Marc Coca.

### TwinPlan: Decision support system for accessible and healthy routes

Web App that reports incidents in public lifts and proposes accessible and healthy routes using open data from Ermua.

**Team:** TWINPLAN, composed of Ivan Araquistain, Josu Ansola and Iñaki Prieto

## What are the next steps?

**2nd PHASE  
10 finalists advance to phase II:**

* Prototype development phase begins
* Presentation of prototypes on **18 October 2022**
* The jury will select **3 winning prototypes**

### AWARDS Classification:

1º 🡪 5.000 euros

2º 🡪 4.000 euros

3º 🡪 3.000 euros

**Congratulations to all finalists!**