Activate your data.
Create **knowledge** from Big Data, Business Intelligence & Machine Learning

OUR APPROACH

In Geographica we design and develop products based on *GIS* and *Data Science.*
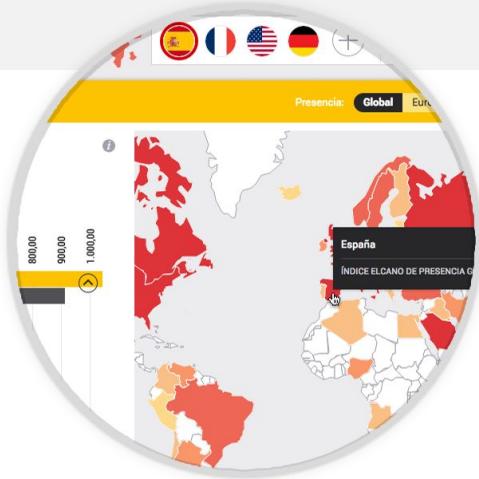
www.geographica.gs

enterprise
europe
network

CONTACT

Héctor García
CEO

hector.garcia@geographica.gs

geographica **G**

Analyze, integrate and visualize your data in a simple and clear way

01

Big Data

Analyze and mix easily in just one place a great amount of data - Big Data, efficiently analyze them using the latest and most advanced technologies based on statistics and spatial analysis.

02

Business Intelligence

Powerful Dashboards development. Create maps, intuitives graphic visualizations, find patterns and connect your information with others more effectively. Explore data geographically and make decisions within a spatial perspective.

03

Share your information

Share internally or externally your information with commercial tools or custom and personalize applications.

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Tecnologies

For our applications development we use the latest technologies for Big Data processing. We develop powerful dashboards for Business Intelligence.

SOFTWARE ENGINEERING

Back-end programming languages: Node JS, Python, PHP, C++.

Front-end programming languages & frameworks: Javascript, HTML, Backbone JS, Angular.

Content Management Systems: like WordPress or Drupal.

iOS & Android Native development Objective C, Java and Swift.

BUSINESS INTELLIGENCE, BIG DATA & MACHINE LEARNING

Big Data & BI:

Spark, Hadoop, QlikView, Pentaho, Tableau

Statistical Packages:

R, Numpy, Scipy, Panda and SPSS.

Machine Learning

TensorFlow, Theano, Scikit-Learn

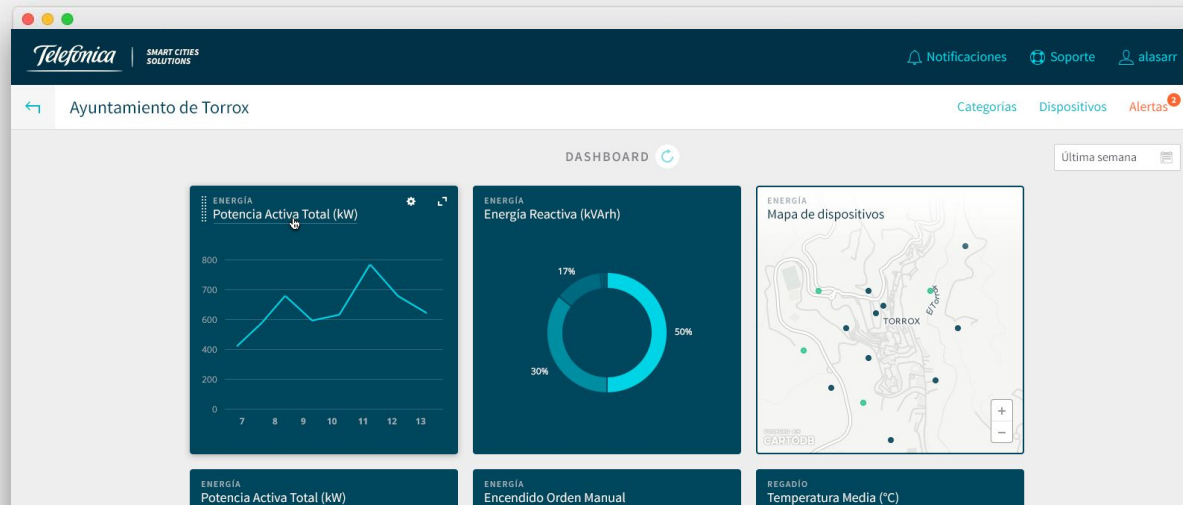**Databases:**

PostgreSQL / PostGIS, MongoDB, Redis, MySQL

GIS & DATA SCIENCE

GIS:

GRASS, QGIS, CartoDB, ArcGIS

Geomatics Libraries:

GEOS, GDAL/OGR, Proj4

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Expertise
Big Data analysis and visualization for smart cities

Geographica works with Telefónica in Smart City projects. Telefónica has installed sensors in severals cities to measure real time data on differents themes (emissions, lighting, etc.). Geographica is processing and analysing this huge amount of Big Data. We integrate, analyze this data, and develop solutions for getting the best insights and conclusions. The aim of the project is to improve the quality of life, reduce energy costs and environmental impact.

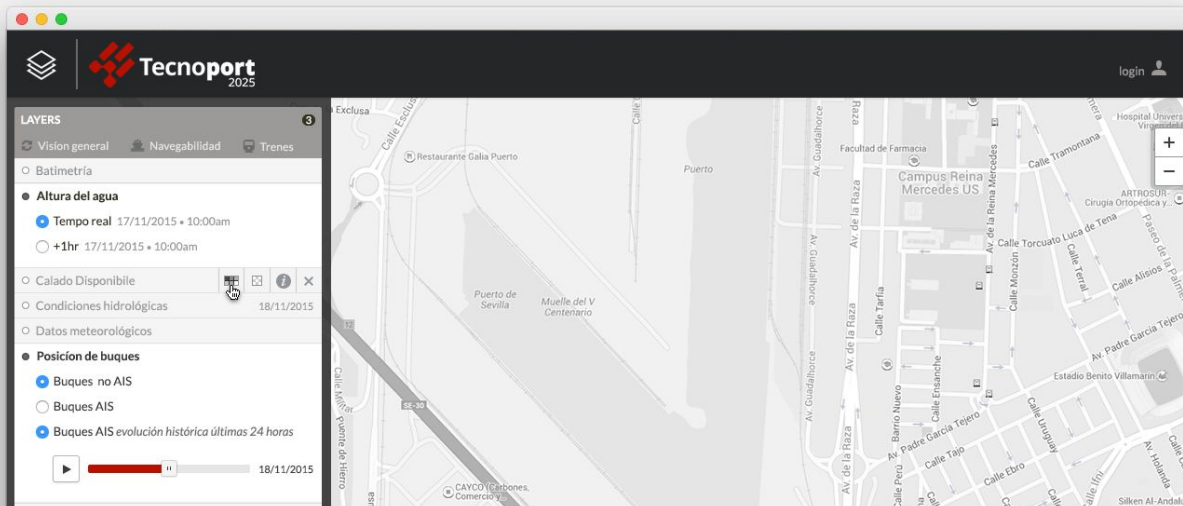geographica

Expertise
Big Data for México DF

The government of Mexico DF has engaged us for designing and developing a private web platform that process, analyze and show in a very simple way a huge spatial data catalog (Big Data) on a wide range of themes related to Mexico DF (environment, society, economy, heritage, etc.).
Thanks to the platform they can easily monitor their territory and improve their decision making processes

geographica

Big Data analysis and visualization for river basins

Tecnoport2025 is an I+D+i project developed for Sevilla Port Authority. Geographica has developed a complex system for data processing and interpolation. Data can be easily visualized in a simple application that shows real time data about the height of the water levels, draught, 24 hours forecast, ships position, etc. The study area covers the whole Guadalquivir river.

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Expertise
Business Intelligence for big User Communities
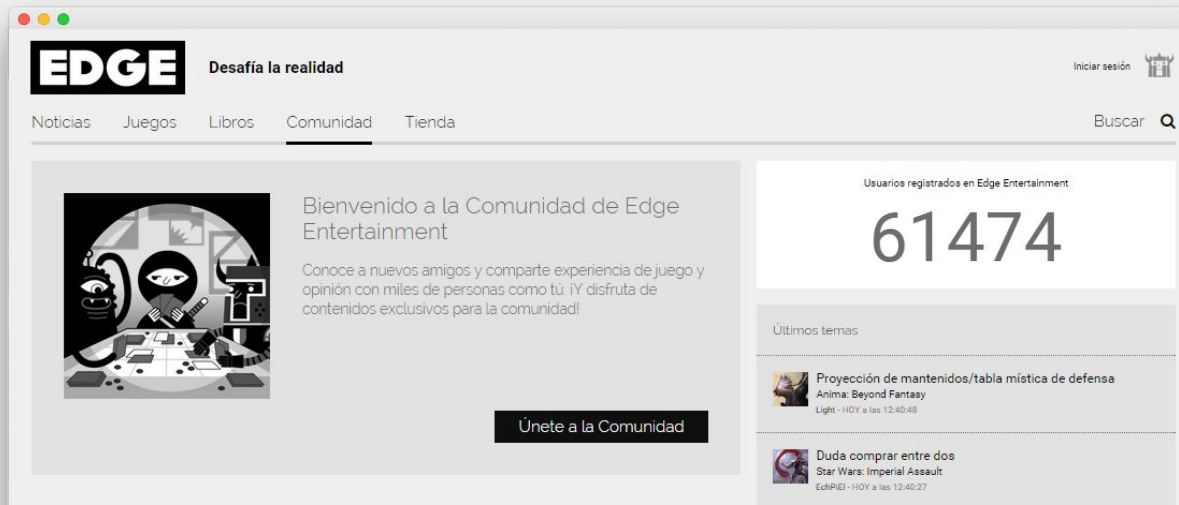
Data analysis applied to products sales. Development of a Dashboard to host the website and Geolocated Users Community of EDGE Entertainment: EDGE is a editorial specialized on games and books. They are in charge of important brands like Star Wars, The Lord of the Rings, Game of Thrones or Cthulhu Mythos. Their users community has more than 61.000 registered users.

More info: http://www.edgeent.com/

geographica

Massive Open Online Courses platform

ECO Project focuses on extending to a pan-European scale the most successful MOOC experiences in Europe. Geographica is in charge of the ECO platform development by working in data analysis with focus in "the where's" dimension of the data, Learning Analytics, as well as improving the user experience, user profile, roles and groups.

We apply gamification techniques in the project like: letting students to achieve different status categories whereas they are taking their lessons (karma points), microblogging, forum, etc. It already counts with a community over 50,000 users.

More info: http://ecolearning.eu/
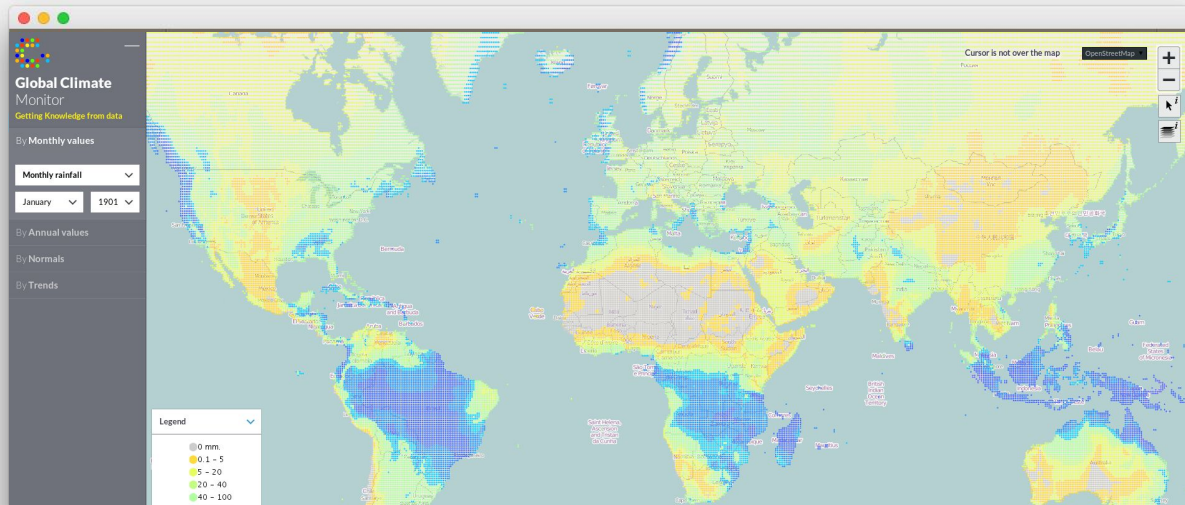
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Expertise

Elcano Global Presence Index
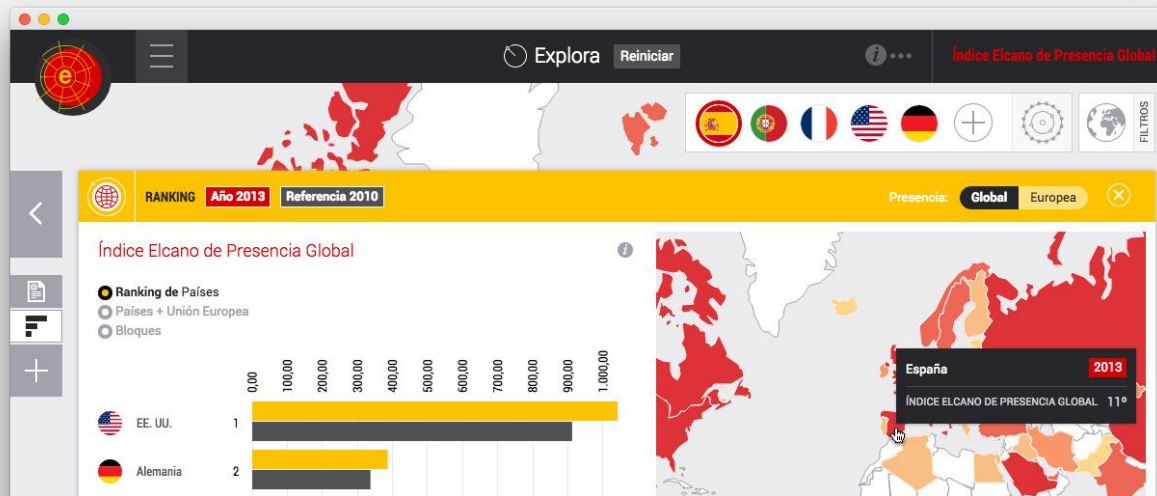
The new Website of Elcano Global Presence Index, a project from Elcano Royal Institute, presents a tool conceived and developed for analysing both the international relations and the foreign policy of each of the countries.

We have designed complex algorithms for the Intex calculation. We designed and developed this powerful tool to see statistics, browse rankings and compare data and indicators among countries and different time moments, everything in a clear and simple way, with maps, charts and interactive tables.

More info: http://www.globalpresence.realinstitutoelcano.org/

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Expertise
Global Climate Monitor

The Climate Research Group from University of Seville has teamed up with Geographica to create an online geovisor for data analysis and visualization. This impressive data source is been used by the Climate Research Group to study drought effects and patterns and as a testbed for their droughts studies and indices. It includes data coming from more than 4000 weather stations around the world, on a month-by-month basis and a 0.5×0.5 degree resolution.

More info: http://www.globalclimatemonitor.org/

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Expertise
Pórtico - Territorial Control Center tool
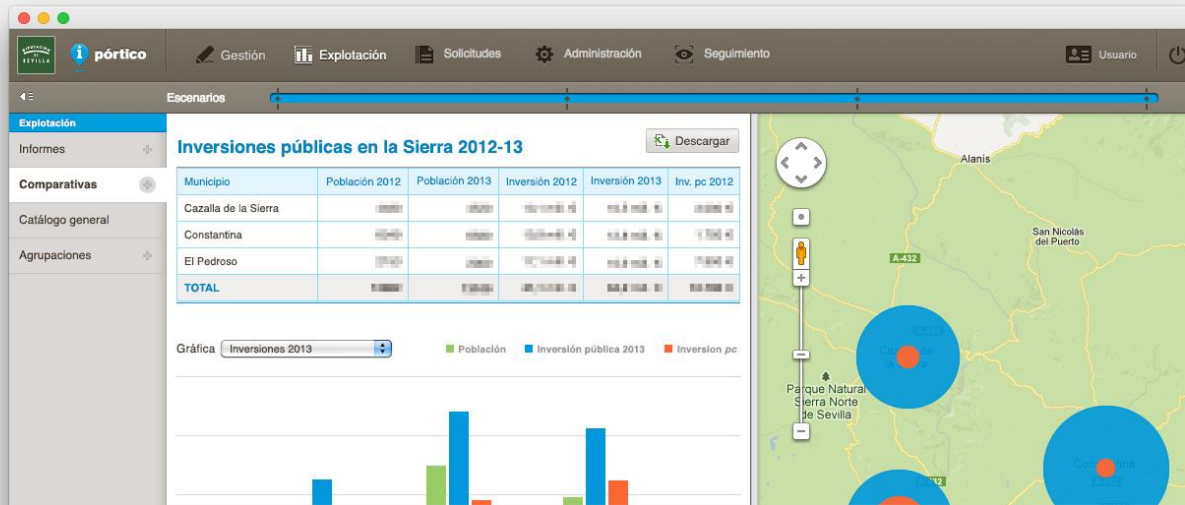
Complete dashboard to assist corporate and government officers in critical decision making processes. It allows the online visualization and edition of spatial information, reporting, creation of indicators in real time, hypothetical scenarios and comparisons, and perform evolutive studies. It's a centralized tool for geographical data management in the investment, management, mobility, transports, security, and facilities fields. It also counts with a **mobile application** that provides technicians with a simple tool for including new data to the system and reporting on-field data.

More info: http://www.geographica.gs/en/casosestudio/portico

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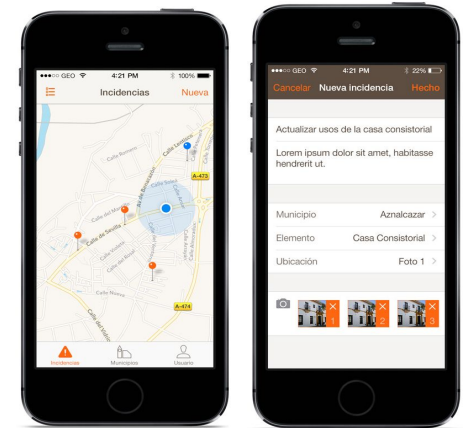
Team

Geographers, computer engineers, designers, architects, economists, biologists and engineers are our raw material.

Héctor García
CEO

Alberto Asuero
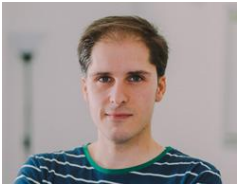CTO

Juan Pedro Pérez
Chief Science
Officer

Paula Juliá
Project Manager

Javier Aragón
Frontend developer

Cayetano Benavent
GIS Analyst

Raúl Yeguas
Frontend developer
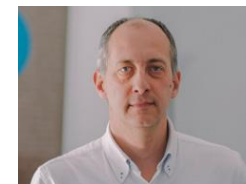
Jose Gil
Art director

Sofía Inés García
Product developer
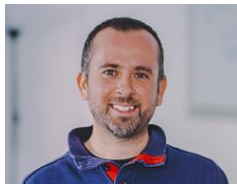
Miguel Macías
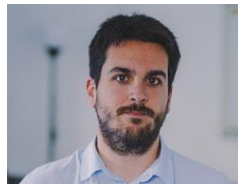Strategy & business
development

Isabel Pozuelo
Data analyst

Javier Viñuales
Sales engineer

Davide Senatra
Designer

JuanRa González
Developer

Miguel Silva
Developer

J.Antonio Rodríguez
Developer

geographica

Clients

Since 2007, more than 324 customers in 8 countries have trusted us, we have developed more than 130 projects and created more than 70 applications.

Thank you.

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