

15 years innovating and training in Geographic Information Technologies

Centre of Geographic Information Systems and Remote Sensing University of Girona





What is SIGTE?

- The University of Girona's Geographical Information Systems and Remote Sensing Service (SIGTE) is a technical research and training service specialising in the field of management and treatment of geographical information. Through:
 - Geographic Information Systems (GIS)
 - Location Based Services
 - Remote Sensing

www.sigte.udg.edu









What is SIGTE?

- University service with external projection
- Experience and knowledge gathered during more than
 10 years developing projects
- SIGTE maintain and promote a creative and innovative spirit necessary to be up to date in a changing sector.







Team



The SIGTE team is made up of technicians specializing in the GIS application and development in any field of knowledge and in the specific and qualitative training of all the GIS scope.

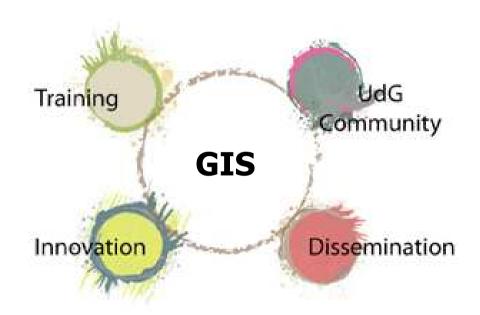
- Geographers
- Environmental Scientists
- Computer Scientists
- Educationalist





Lines of work

- UdG community
- Training
- Innovation
- Dissemination







Lines of work - UdG Community

We provide *support* and *advice* to the university community (instruction and research for administrative and service staff and also for students) related with geographic data processing in projects in any field of work/research.







Lines of work - Training

UNIGIS Programme: a Spanish-language, distance-learning programme, meets the training needs of professionals in the area of geospatial information management.

* 13th editions * Around 1000 students * 65% graduated

Customized Courses: Personalized courses to meet the needs of interested participants.

TRAINING

Specialized Courses, Workshops and Others:

A wide range of on-site and online training proposals with a variety of formats and objectives for different audiences.





Lines of work - Innovation

We develop projects that apply, in the real world, the latest technological advances in geographic information and related fields, creating a space through which the research and the technologies emerging from this sector are transmitted.







Lines of work - Dissemination

We provide spaces for the exchange of knowledge and information among a wide audience, while at the same time striving to disseminate and promote GIS in society through the organization of and participation in lectures, seminars, conferences, etc:

- GIS Day
- GIS blog: 'Eploradores SIG' http://exploradoressig.wordpress.com
- ■IG+, Más que información Geográfica http://www.sigte.udg.edu/sigte_en/revista_ig
- Spanish Open Source GIS Conference http://www.sigte.udg.edu/jornadassiglibre

IV Jornadas SIG Libre









Projects





D-Ruta: A mobile system for interactive tourist information

- GIS technologies for the management, promotion and dissemination of tourism resources of the Vall de Ribes
- Objective: Mobile GIS interactive visualization and query of tourist routes and points of interest
- Features
 - Portability Mobile Devices
 - Location GPS
 - Access to the tourist information site



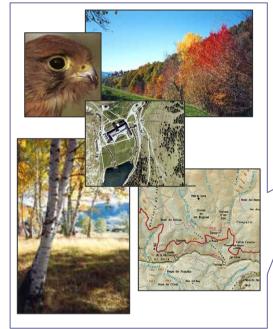




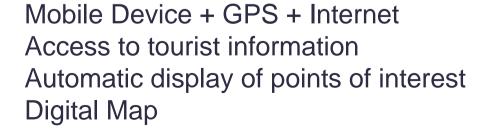
D-Ruta: A mobile system for interactive tourist information



Web site: Searching route as the user profile











 A complex project integrating GIS web and GIS desktop applications to manage and disseminate information about the conditions and characteristics of the urban vegetation of the city of Figueres (Catalonia, Spain).

Objectives:

- Improve the efficiency of the everyday tasks involved in managing and maintaining the urban vegetation of the city.
- Create a collaborative framework, to disseminate information and prioritize work





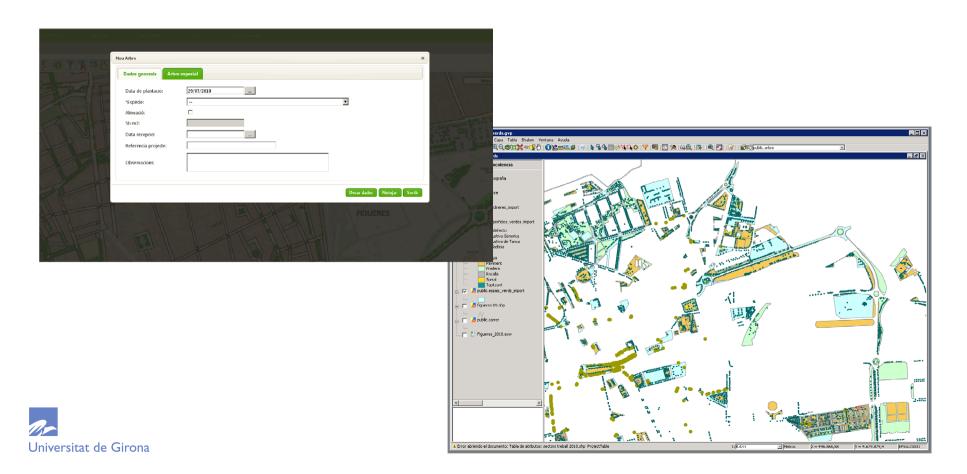


- Features:
 - Communitation system





Management system



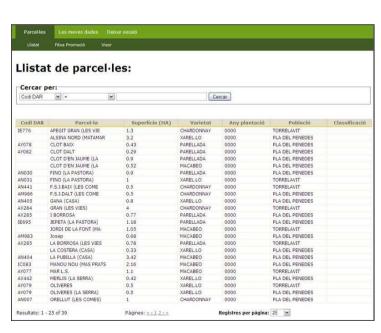


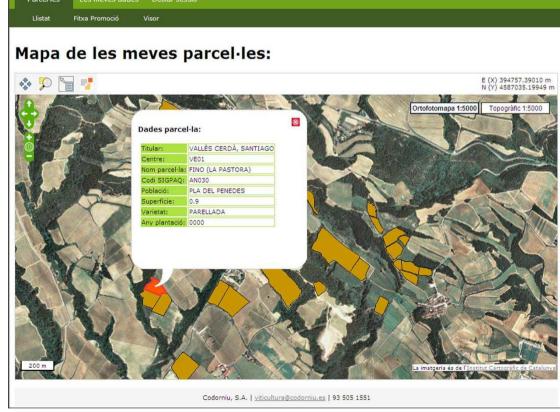
- Technical characteristics
 - Map servers: GeoServer, TileCache
 - Database: PostgreSQL with PostGIS addition
 - Language: PHP
 - JavaScript libraries: OpenLayers, jQuery





Wine grower / local supplier functions



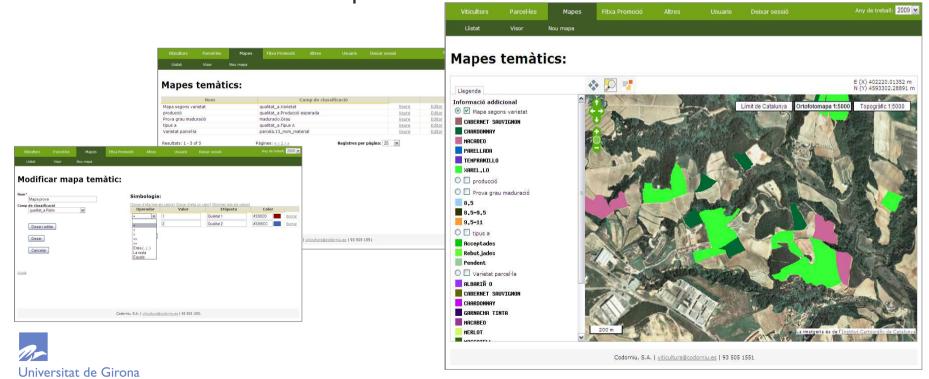






Administrator functionalities

On-line thematic maps:





- Historical management
- Wine grower parcels display
- Management growers / suppliers





Future Prospect

- Increase the amount of data used by the application and the thematic possibilities.
- Add filters to data fields to display thematic results.
- Share thematic maps with suppliers.
- Extend the application to other wineries around Spain
- Suppliers update their wine parcels directly to the web





University Interactive Maps

Campus Geographic Information System







University Interactive Maps

International Relations Map







Spanish Open Source GIS Conference

- First reference in GIS Opensource event in Spain
- In 2011 5th edition
- 4th edition: 200 attendants, from companies, developers, government.



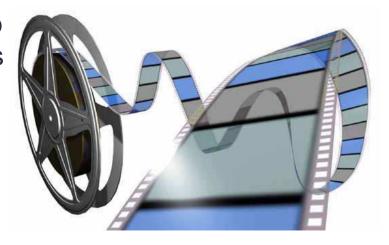




Video for the dissemination of GIS

- What we wanted to convey?
 - The spatial or geographic information (GI) is very important in the daily lives of people as part of the human condition.
 - Consequently, the GI serves to answer and solve many problems of the world. Whether individual level or government
 - The profit of the GI need treatement, manipulatation and storage... in order to interrogate them. And this is what allows the GIS.
 - The GIS are behind many solutions.







Training Tables

Collaborative Project between young GIS professionals and SIGTE. Young professional can be part of a GIS project and a GIS consolidated group, adquiring new competences in GIS.





Thank you

Rosa Olivella Head of Innovation projects

rosa@sigte.udg.edu

