

1. Call / Topic

- LAND, OCEANS AND WATER FOR CLIMATE ACTION – LAND USE CHANGE AND LOCAL/REGIONAL CLIMATE [FOOD, BIOECONOMY, NATURAL RESSOURCES...]:

<https://ec.europa.eu/info/fundingtenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl6-2024-climate-01-4>

Contribution from SIGTE:

- Territorial analysis and modeling of land use impact using GIS and remote sensing techniques (Copernicus) in combination with Artificial Intelligence.
- Monitoring system for land use management strategies using GIS solutions or web mapping platforms.

- BIODIVERSITY AND ECOSYSTEM SERVICES – INVASIVE ALIEN SPECIES [FOOD, BIOECONOMY, NATURAL RESSOURCES...]:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl6-2024-biodiv-01-1>

Contribution from SIGTE:

- Development of spatial data flow models or vulnerable corridor models.
- Application of remote sensing techniques for species identification and detection.
- Mapping of results using web mapping solutions.

- BIODIVERSITY AND ECOSYSTEM SERVICES – DIGITAL FOR NATURE [FOOD, BIOECONOMY, NATURAL RESSOURCES...]:

<https://ec.europa.eu/info/fundingtenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl6-2024-biodiv-01-2>

Contribution from SIGTE:

- Support for territorial species monitoring using remote sensing techniques (multispectral satellite image analysis, LIDAR).
- Territorial analysis of diversity changes.
- Spatial data accessibility solutions.
- Collection of existing spatial data and management based on Open standards.
- Development of training materials related to the above terms.

2. Organization description

SIGTE - Geographic Information Systems and Remote Sensing Service at the University of Girona

SIGTE is a service involving applied research, training and knowledge and technology transfer, specialized in the treatment of geographic information and the use and application of the geographic information.

We are experts in data capture, analysis and processing of geospatial information. We develop both desktop or web geo-applications for management or communication purposes. We organise dissemination and training activities, like our GIS Professional Master (which has been carried out for 23 editions). We have extensive experience in European projects and in establishing alliances and partnerships.



3. Interest, objectives and expertise within the call mentioned

Participation in EU financed projects:

- **Edusat- educational platform for earth observation (developing).** Support action in CordiNet project, coordinated by Nereus. September 2020 - January 2021. Under the slogan "Stay in orbit", the Edusat self-learning web platform aims to bring the science of Remote Sensing to a non-specialized audience. The Edusat web platform is a teaching resource that offers, on the one hand, theoretical concepts on Remote Sensing and global environmental change, and, on the other hand, provides the knowledge to process satellite images. The project has involved carrying out various workshops for young people based on case studies.
- **GIN2K. Geographic Information: Need to Know.** Towards a more demand- driven geospatial workforce education / training system.
Erasmus Lifelong Learning Program project with 31 partners from 25 European countries. The goal: defining and creating a Body of Knowledge of GIS to adjust its training to the demands and needs of the professional market. October 2013- October 2016.
- **GeoSmartcity.** The goal: to establish an open and reusable (hub-like) platform that allows the publication of open geographical data to generate new specialized services based on open standards service protocols.
The project promotes the integration of data from various sources (private or public) and the generation of new services based on them in the framework of the Smart City and specifically in two scenarios of this: underground infrastructure and green energy services. Promoter: collaborative project coordinated by GISIG (Italy) and co-financed by the CIP 2007-2013 ICT-PSP program.
- **GIS4EU** (Provision of Interoperable Datasets to Open GI to the EU Communities-eContentplus). The main objective of the project is to increase communication and networking between project partners to ensure issues of accessibility and interoperability between different scales, borders and languages. This meant creating a common knowledge base and making spatial information more accessible in accordance with the standards and requirements of the INSPIRE Directive (2007/2 / EC). Program: e-CONTENTPLUS. Year: 2007-2010. File No: ECP-2006-GEO-310011.
- **Participatory Spatial Planning in Europe (PSPE).** Promotion and improvement in the exchange of spatial information in the processes of public participation in regional planning, through interactive and innovative approaches that use geovisualization. Program: Interreg. 2W0041L. Year: 2004-2007.

4. Contact details



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Experience in EU Projects