



INTERNATIONAL PROJECTS

Presentation

SM GEODIM is a Spanish private company (SME) of RTD, specialized in the development of operative Remote Sensing and GIS (Geographical Information System) applications.

Established in 1994, under the original denomination of SM Consultores, the company has developed its activity as a second trademark of Geosys SL.

In 2013, as part of the internalization plan of its activities, the company name was changed to current one, SM GEODIM.

Company's background and know-how is backed by more than 25 years of experience of its founder and current CEO Dr. Salomón Montesinos, together with a highly specialized and multidisciplinary technical team.

Since 1997, we have participated in RTD and Innovation programmes of the European Union, especially in Framework Programmes (FP4, 5, 6 & 7) and SUDOE, in which SM has developed most of its operational applications.



INTERNATIONAL PROJECTS v. 2013

Water Resources

ASTIMwR (*Application of Space Techniques to the Integrated Management of river basin Water Resources, 1997-1999*) is the first EU FW Project that used Remote Sensing for planning and management of water resources. The project had a budget of 1.8 Million Euros and the participation of 8 organisms, belonging to four different countries.

APERTURE (*Environmental typological space mapper facilitating the implementation of European Legislation, 1997-2000*).

ISLA (*Land and Water Management in Mediterranean Islands using Earth Observation Data, 1998-2000*).

HarmoniRIB (*Harmonised Techniques and Representative River Basin Data for Assessment and Use of Uncertainty Information in Integrated Water Management, 2002-2005*).

DEMETER (*Demonstration of Earth Observation Technologies in Routine Irrigation Advisory Service, 2003-2005*).

REDSIM (*Remote sensing-based DSS for Sustainable drought-adapted irrigation management, 2011*). Grant agreement nº 241559. EU DG for the Environment - EEA. www.redsim.net

GuaSEEAW (*System of Economic and Environmental Accounts for Water in Guadiana River Basin, 2011-2012*). Preparatory Action on development of prevention activities to halt desertification in Europe. First project that integrates at River Basin level the System of Environmental-Economic Accounting for Water. www.quaseeaw.eu

Precision Farming

BACCHUS (*Methodological Approach for Vineyard Inventory and Management, 2003-2005*). Considered a *unique Project* in the application of very high Resolution multispectral satellites sensors to Precision Farming. It had a budget of 2.4 Million Euros, and the participation of 14 EU organizations, including ESA (European Spatial Agency).

DIVINO (*eServices for improving SMEs competitiveness in the European Wine Industry, 2005-2006*).

PRECIRIEG (*Network of concerted actions in horticulture for a precise and water-saving irrigation in the SUDOE, 2007-2009*). Participation through IMIDA, providing our experience in the quantification of irrigated surfaces. www.precirieg.net

TELERIEG (*The remote sensing use for irrigation practice recommendation and monitoring in the SUDOE space, 2009-2011*). The final target of the Project was to get a better protection of the environment through a more efficient and rational management of water resources in agricultural and a more effective prevention and response capacity against natural risk. www.telerieg.net

Environment

EON 2000+ (*Earth Observation for Natura 2000 plus, 2001-2004*).

Microsatellites

COCONUDS (*CO-ordinated CONstellation of User Defined Satellites, 1998-2000*).

Natural Risks

MUSHROOM (*Multiple Users Service for Hydro-geological Risk Open & Operational Management, 2003-2004*).

Along 2012, SM GEODIM has carried out projects:

In Kenya, for the location of Ti and Ru mining signs in different coastal concessions from satellite images.

In Ecuador, for the characterization of a volcano, using multispectral analysis, for geothermal exploitation.

In Mexico and Peru, applying precision agriculture to improve the quality and the production of crops like vine, corn, sugar cane and grapes.

Contact with:

Sc. D. Salomón Montesinos Aranda
smontesinos@geodim.es

