



# GEOSPATIAL WORLD FORUM

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## **Biography**

I was born in Malaga (Spain) on 20th April 1974

I studied Computer Engineer in the University of Malaga

I am member of the Senior Corps Systems and Information Technology of the State Administration

Former jobs:

- Computer programmer (1999-2000) in Inmobiliaria Echevarria
- Computer systems designer and analyst (2000-2003) in ATOS Origin
- Information System Manager (2003-2006) in the National Geographic Institute
- Computer assistant (2006-2010) in the Ministry of Housing
- Head of Computer Department (2010-2013) in the National Center for Geographic Information
- Deputy Director (2013-2014) in the National Center for Geographic Information

Current job:

- Director of the National Center for Geographic Information
- President of the Council of the Geographic Information Infrastructure of Spain
- Member of the MIG-P and MIG-T of the European Commission

## **Abstract**

The OTALEXC Territorial Observatory Project in the Vanguard of Trans-Border Cooperation: Open Data, SOS v2.0, Linked Data and Smart City

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The integration of cartographic and territorial data in mapping is each time more exigent. The collaboration in policies, practices and processes between local, autonomics governmental partners and authorities are one way to reach the people and citizens. The news paradigms of the "open data" and "smart cities" open a new universe of applications and "open services" for the world and theses inhabitants. This paper offers the experience of collaborative trans-border Iberia project in development and integration of open data and open services in an SDI. The standards defined in the OGC are integrated to public thematic and environmental map data in one web support through the definition of SOS v2.0). New challenges and advances are provided in 2015 by integrating urban open data in RDF

format and linked data model and considering the Spanish standard defined by the AENOR Spanish Work Group CTN 178 "Smart City" (UNE178301:"Open Data"). The territorial scope of this Iberia project is the Portuguese regions of Alentejo and Centro and the Spanish Extremadura region. There are many important cities in these territories. World Heritage Cities (Caceres, Marida, Evora) have to approach the paradigm of "Smart City" and be managed under this umbrella. Urban and environmental data must be incorporated much higher resolution and detail in this OTALEXC territorial observatory. Thus were considered urban sensing and mapping of historical detail provided by each entity in Spanish or Portuguese populations. The goal is to be a leader in cross-border cooperation and collaboration in SDI, in the implementation of national and international standardization, processes and policies, defined by the OGC, W3C or AENOR (Asociacion Espanola de Normalizacion), putting it at the disposal of everyone by services open interoperable and open data following a model of good practice and getting closer to the linked data model. All this we can see on the website [www.otalex.eu](http://www.otalex.eu).