



## Europass Curriculum Vitae



### Personal information

First name / Surname

**Giacomo Martirano**

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Nationality

Italian

Date of birth

12/10/1964

Gender

Male

### Occupational field

**Project Manager**

**Geographic Information & Spatial Data Infrastructures, Remote Sensing, Information & Communication Technology Expert**

### Work experience

Dates

January 2015 to date

Occupation or position held

External Senior Consultant

Main activities and responsibilities

Member of the team assigned to the EULF (European Union Location Framework) Action of the ISA (Interoperable Solution for Public Administrations) Programme, funded by DIGIT, Directorate-General for Informatics of the European Commission. Within EULF, among other duties, he is coordinator of the pilot project "Energy and Location", focusing on the use of INSPIRE to support the implementation of EU policies related to Energy Efficiency.

Name and address of employer

EC DG JRC – Joint Research Centre of the European Commission, Institute of Environmental Sustainability, Digital Earth and Reference Data Unit. Via Enrico Fermi, 2749, 21027 Ispra VA (IT).

Type of business or sector

Research Centre of the European Commission

Dates

1997 to date

Occupation or position held

Technical Manager

Main activities and responsibilities

He is deeply involved in the implementation of the INSPIRE (infrastructure for spatial information in Europe) European Directive, with particular focus on:

- the harmonisation of spatial datasets and metadata
- the schema transformation from heterogeneous source schemas to INSPIRE Data Specifications target schemas
- the extension of INSPIRE data models
- the configuration of Network Services
- the validation and testing of the different SDI components.

He is co-chair of OGC CITE SC (OGC Compliance and Interoperability Testing and Evaluation Program Subcommittee).

He is member of the pool of experts involved in the INSPIRE MIG (Maintenance and Implementation Group), task leader in the Working Group 5 "Validation and Conformity Testing".

He is vice-chairman of the GI standardisation body CEN/TC 287 (European mirror of ISO/TC 211) and coordinator of the Working Group "Validation and testing" established by the CEN/TC 287 for the preparation of the part 5 of the multipart report "TR 15449 – Spatial Data Infrastructures".

He is senior expert involved in the activities related to INSPIRE data harmonization, defined in the Specific Contract N° 3325/B2016/EEA.56527, implementing Framework service contract N° EEA/IDM/15/014-lot2 (Geospatial Standards and UML Modelling) of the European Environment Agency. Epsilon Italia is partner of the consortium led by KU Leuven.

He is responsible for several Innovation, Consulting and Research & Development projects carried out at International, National and Local levels. Main relevant projects he was/is responsible for:

- "INSPIRE Consultancy Services" provided to MITA (Malta Information Technology Agency), consisting in: gap analysis of "as-is" components of the national SDI (metadata, datasets, network services, data sharing policies, organizational aspects) with respect to the relevant INSPIRE obligations (i); identification of priority datasets to be made conformant to INSPIRE IR 1089/2010 as amended by subsequent modifications and integrations (ii); datasets harmonization (with HALE) and validation (with the [eENVplus Validation Service](#)) against the ATS of the relevant INSPIRE Data Specifications (iii); support to data publishing by means of Network Services (WMS and WFS) with GeoServer and deegree (iv). (2015-2016)
- "GeoSmartCity - Open geo-data for innovative services and user applications towards Smart Cities", ([www.geosmartcity.eu](#)), cofunded by DG CONNECT of the EC within the ICT-PSP (Policy Support Programme), coordinated by GISIG. The project contributes to the Smart City implementation aiming to establish a cross-platform, re-usable and open hub able to publish open geographic information and to provide specialized services based on open standards. The project objectives will be demonstrated through the development of 11 operative and re-usable pilot cases in the frame of two scenarios: Green-Energy scenario, to facilitate diffusion and management of renewable energy within cities, and Underground scenario, to support integrated management of underground utility infrastructures. Epsilon Italia is responsible for the data modelling to be applied in the two scenarios, for the transformation and validation of datasets and metadata and for the dissemination of the whole project results toward the private sector and SMEs in particular. (2014 to date).
- "i-locate - Indoor/outdoor location and asset management through open geodata", ([www.i-locate.eu](#)), cofunded by DG CONNECT of the European Commission within the ICT-PSP (Policy Support Programme), coordinated by Trilogis. The project creates a virtual hub for indoor open geographical data regarding public spaces (hospitals, public offices, shopping malls, museums etc) and an easy-to-integrate open middleware for indoor/outdoor tracking and management. The technology is validated in 14 pilot locations across Europe focusing on e-Health scenarios (e.g. hospitals, retirement houses) and other public services (e.g. museum, public offices etc.). Epsilon Italia is responsible for the exploitation of the whole project results toward the private sector and SMEs in particular and for the establishment of liaisons with similar projects/initiatives. (2014 to date).
- "LINKVIT - Leveraging INspire Knowledge into Vocational Innovative Training", ([www.linkvit.eu](#)), cofunded under the LLP (Life Learning Programme) Leonardo da Vinci of the European Commission and coordinated by GISIG. The project contributes to rationalize and organize vocational training about GI & INSPIRE in public and private sector, also as regards an easy access to (standardized and validated at EU level) training, enabling a better skill and so support the practical implementation of the Directive. Epsilon Italia is responsible for the adaption of some training modules according to the relevant national Italian requirements. (2013 - 2015).
- LIFE+IMAGINE "Integrated coastal area Management Application implementing GMES, INSPIRE and SEIS data policies" ([www.life-imagine.eu](#)), is a project co-funded by the LIFE+ Programme Environmental Policy and Governance in the framework of the objective "strategic approaches", coordinated by GISIG. The project deals with the integrated management of coastal zone and the implementation of the related environmental policies, providing information to support the coastal planning and decision making, with particular reference to two application scenarios: Landslides in coastal zones and Soil consumption in coastal zones. LIFE+IMAGINE implements an infrastructure based on web services for environmental analysis, integrating in its own architecture specifications and results from INSPIRE, SEIS and GMES/Copernicus. Epsilon Italia is responsible for the transformation and validation of datasets and metadata. (2013 to date).
- "Design and development of a GIS for the propagation of the flood-area for Tevere and Adige river basins" - MIT (Italian Ministry of the Infrastructure and Transports). (2015)
- "eENVplus – eEnvironmental services for advanced application within INSPIRE", a project cofunded by DG Connect of the European Commission within the ICT-PSP (Policy Support Programme), coordinated by GISIG (IT), developing eEnvironmental services for advanced applications within INSPIRE, to be implemented and tested in 10 pilots-scenarios ([www.eenvplus.eu](#)). Within this project he is responsible for the Work Package for data harmonization and validation and for the task dealing with Geographic Information standards. (2013 to 2015).
- "Medina SDI" (design and development of the SDI of the Holy City of Medina, Saudi Arabia), in which he was task leader for the Users' requirements definition, interviewing representatives of 20 governmental agencies and departments based in Medina, and for the data gap analysis, analysing geospatial data provided by the interviewed organizations, identifying gaps with respect to reference standards and suggesting solutions to be adopted in order to fill-in the gaps. (2013 – 2014).

- SG-Space Standards Familiarisation: ISO 19100s Training”, an intensive training and consulting project delivered by GSAREH (GeoSpatial Applied Research Expert House) to SLA (Singapore Land Authority), related to the application of the ISO 19100s Geographic Standards to the Singapore context. He was the main instructor of an 80 hours training course delivered to 40 representatives of different Singapore Governmental Agencies. (2013).
- “smeSpire - A European Community of SMEs built on Environmental Digital Content and Languages”, an FP7 Support Action funded by DG Connect of the European Commission, aiming to support geo-ICT European SMEs to capitalize the benefits of the INSPIRE Directive, led by Epsilon Italia with a consortium with 15 partners coming from 12 EU Member States ([www.smespire.eu](http://www.smespire.eu)). Within this project he was Project Coordinator and responsible for the work package “Training”. (2012 - 2014).
- SEIS-MALTA – Implementation of the Maltese component of the SEIS (Shared Environmental Information System) for the themes Air, Water, Soil, Noise, Radiation. In this project, awarded by MEPA (Malta Environment & Planning Authority) to Epsilon International SA, he is responsible for the design of a SQL Server geodatabase enabling the datasets compliance against the relevant INSPIRE Data Specifications. (2011 - 2013).
- “3D-Aerodromes - 3-Dimensional Airport & Vicinity Geodatabase: A Product for the General Aviation Industry” was a project funded by the European Commission Eurostars Programme and the R&D funds contributed by the three Member States of Germany, Greece and Italy. 3D-Aerodromes delivered: (i) the software technology to produce three dimensional Aerodrome Navigational Databases for the General Aviation; a technology for the integration of satellite imagery and other remote sensing data, terrain and obstacle data, navigation data and CAD data of airports; and (ii) for 50 European airports template databases were created as the basis for a standardization of 3D airport and airport environment data ([www.3d-aerodromes.eu](http://www.3d-aerodromes.eu)). Within this project he was responsible for the standardization and integration of the geodatabases. (2010-2013).
- “ArcFUEL - Mediterranean Fuel Maps Geodatabase for Wildland & Forest Fire Safety”, cofunded by the LIFE+ 2010 Programme of the European Commission, coordinated by Epsilon International SA (GR) ([www.arcfuel.eu](http://www.arcfuel.eu)). Within this project he is responsible for the geodatabase design in conformity with the INSPIRE relevant data specifications and for the development and test of the remote sensing applications in Italy. (2011 - 2013).
- “Smart-Islands - 3D Smart Webservices for Mediterranean Islands”, cofunded by DG Information Society and Media of the European Commission within the ICT-PSP (Policy Support Programme), coordinated by Epsilon International SA (GR) ([www.smart-islands.eu](http://www.smart-islands.eu)). Within this project he is responsible for the geodatabase design and for the development and test of the applications in Italy. (2011 - 2013).
- “ArcFIRE”, design and development of a custom webgis-based sw platform supporting the forest fire management, based on the integration of multi-source real-time and off-line data and of physical-mathematical models for the prevention, prevision, management of the emergencies, impact assessment. The integration was carried out in ESRI environment and the development was carried out in .NET environment. (2009).
- “MED\_ISOLAE-3D – Mediterranean Islands 3D Aerial Navigation”, funded by DG Information Society and Media of European Commission in the frame of the econtentplus Programme and coordinated by Epsilon International SA. For this project he was responsible for the design and development of a SDI (Spatial Data Infrastructure) for the Mediterranean Islands, according to the INSPIRE, OGC and ISO-TC211 standards. Particular focus was on the harmonization of the different spatial datasets, on the development of the geodatabase, of the metadata catalogue and of the networking services. He was also the contact person of the MEDisolae-3D SDIC (Spatial Data Interest Community) registered into the INSPIRE portal. (2008-2010).
- “SIPITEC2”, the design and development of the GIS and WEBGIS of the Territorial Coordination Plan of the Province of Cosenza, design and implementation of the Geoportal of the Planning Department of the Province of Cosenza (<http://sjpitec.provincia.cosenza.it>). (2008 - 2012).
- Enhancement of the Geoportal of the Planning Department of the Province of Cosenza, consisting in the creation of a data model for the PSC/PSA (Structural and Associated Municipality Plans) in conformity to the Regional Urban Law and related Guidelines and in the development of a procedure for the on-line editing of the PSC/PSA based on the use of the OGC WFS-T protocol. (2012 – 2013).
- “Galileo”, a technology transfer project in which he designed and developed a webgis platform for vessels near-real time position tracking and marine touristic geospatial information, based on the use of mashup technologies between ESRI ArcGIS Server and Google Maps API. (2008).
- Many projects for the design and implementation of GIS to the Local Authorities.
- “MIRASAT – A Methodology for the assessment of Indicators of Environmental Risks by means of Satellite Remote Sensing Techniques” – funded by the Scientific Research Department of the Calabria Region. (2008 – 2010).

Main activities and responsibilities	<ul style="list-style-type: none"> <li>• "ISPARIDE – Identification and Assessment of Parameters to evaluate the Desertification Risk", a research project co-ordinated by the Italian National Research Council – Institute for the Hydrogeological Protection and funded by the Italian Ministry of Research and University. (2007).</li> <li>• "Development of a methodology for the detection of contaminated sites by means of satellite remotely sensed data and Artificial neural networks", a Research project carried out in co-operation with the Department of Soil Protection of University of Calabria, funded by ASI (Italian Space Agency) in the frame of the Fundamental Research Programme 2000 and 1999.</li> <li>• "EOPOLE – Earth Observation Data Policy and Europe", a Concerted Action funded by DG Research of the European Commission in the frame of the FP4, Programme CEO (Centre for Earth Observation), co-ordinated by UCL – University College London.</li> <li>• "Soil moisture assessment from microwave satellite remote sensing", carried out in the frame of the agreement signed with the Engineering Faculty of University of Calabria and finalised to host training stages for degree and PhD thesis.</li> <li>• Evapotranspiration assessment from optical satellite remote sensing, in the frame of the collaboration agreement with CAMILAB (Automatic Cartography and Hydrogeological Modelling Laboratory) of the Department of Soil Conservation of the University of Calabria (IT), addressed to R&amp;D activities related to remote sensing applied to hydrology.</li> <li>• "Spatial-temporal evolution of the vegetation cover by means of satellite remote sensing techniques", carried out in the frame of the agreement signed with the Engineering Faculty of University of Calabria and finalised to host training stages for degree and PhD thesis.</li> <li>• "Remote Sensing Thematic Laboratory for marine applications", funded by Calpark (Scientific and Technological Park of Calabria) and MIUR (Italian Ministry of University and Research).</li> <li>• "EPSILON – Environmental Policy via Sustainability Indicators on a European wide NUTS III level", a Shared Cost Action funded in the frame of the IST Programme of FP5 of EC co-ordinated by Epsilon International SA.</li> <li>• Technical Assistance to the Province of Cosenza (IT) for the Strategic Environmental Assessment of the PTCP (Territorial Provincial Coordination Plan).</li> </ul> <p>He is teacher in many SDI related training courses organised by Epsilon Italia for different typologies of clients, both in the public and private sectors. In the last two years he is responsible of an intensive training activity conducted on behalf of the Local Province of Cosenza for the technicians of its 155 municipalities involved in the preparation of the new urban planning.</p>
Name and address of employer	EPSILON ITALIA SRL, 79 Via Pasquali, 87040, Mendicino (CS), Italy
Type of business or sector	Research & Development in SDI (Spatial Data Infrastructures), Geomatics, Geographic Information Standards, Remote Sensing, Vocational Training.
Dates	2009 to 2011
Occupation or position held	Senior expert consultant
Main activities and responsibilities	<p>He was deeply involved in the implementation of the INSPIRE (infrastructure for spatial information in Europe) European Directive, with particular focus on:</p> <ul style="list-style-type: none"> <li>▪ the harmonisation of spatial datasets and metadata</li> <li>▪ the schema transformation from heterogeneous source schemas to INSPIRE Data Specifications target schemas</li> <li>▪ interoperability of geo-webservices.</li> </ul> <p>In particular he was:</p> <ul style="list-style-type: none"> <li>▪ coordinator of the DH-TWG (Data Harmonisation Technical Working Group) and</li> <li>▪ work package leader of the Validation &amp; Testing work package</li> </ul> <p>in the frame of NatureSDIplus, a EU co-funded project (a Best Practice Network with 30 partners from 17 EU Member States – <a href="http://www.nature-sdi.eu">www.nature-sdi.eu</a>).</p> <p>In the frame of the Validation &amp; Testing work package he contributed to the development of the Validation Briefcase, consisting of procedures enabling Data Providers to test their datasets and metadata against INSPIRE Data Specification encodings and related schematron rules. He also participated to the testing phase of Annex II and Annex III INSPIRE data themes.</p>
Name and address of employer	EPSILON INTERNATIONAL SA, Monemvasias 27, GR-15125 Marousi - Greece
Type of business or sector	Environment & Engineering, GIS & Infosociety, Space & Telecoms, Management & Economics
Dates	2007 to 2011
Occupation or position held	Consultant

Main activities and responsibilities	<ul style="list-style-type: none"> <li>Responsible for the design and realisation of the Geographic Information System, the Environmental Strategic Assessment and the Incidence Assessment of the Fauna and-Hunting Plan of the Province of Cosenza.</li> <li>Responsible for a pilot study for the realisation of the Land Use Technical Chart of the Province of Cosenza based on SPOT satellite data processing. Responsible of the elaboration of the technical specifications for the procurement of the Land Use Technical Chart of the Province of Cosenza based on aerial images photo-interpretation.</li> <li>Responsible for the design and realisation of a SDI (Spatial Data Infrastructure) for Mediterranean pilot islands, using open-source software solutions (UMN Mapserver + pmapper). This activity has been carried out in the frame of the INTERREG III-B ARCHIMED "MED-ISOLAE" project.</li> </ul>
Name and address of employer	Provincia di Cosenza (IT) – P.zza XV Marzo 87100 CS – IT
Type of business or sector	Local Authority
Dates	2009 - 2011
Occupation or position held	Consultant
Main activities and responsibilities	Responsible for the Strategic Environmental Assessment and of the Incidence Assessment of the PSC (Municipality Structural Plan).
Name and address of employer	Municipality of Pietrapaola (IT) – Pietrapaola (CS) - IT
Type of business or sector	Local Authority
Dates	2007 to date
Occupation or position held	Consultant
Main activities and responsibilities	Responsible for the realisation of the PSC (Municipality Structural Plan). Special focus is on the Geographic Information System of the PSC.
Name and address of employer	Municipality of Marano Marchesato (IT) – P.zza Municipio, Marano Marchesato (CS) - IT
Type of business or sector	Local Authority
Dates	2007 - 2008
Occupation or position held	Consultant
Main activities and responsibilities	Technical assistance in design activities for the development of rural areas.
Name and address of employer	Confagricoltura Calabria, Erapra – Via G. Pinna 88046 Lamezia Terme (CZ) - IT
Type of business or sector	Development Agency
Dates	2007
Occupation or position held	Consultant
Main activities and responsibilities	Responsible for the design activities related to "Services of high technological content provided to agricultural companies", in the frame of EQUAL project Agronos (Asse imprenditorialità Misura 2.2 – Cod. IT-S2-MDL-250.)
Name and address of employer	Confagricoltura Calabria, Erapra – Via G. Pinna 88046 Lamezia Terme (CZ) - IT
Type of business or sector	Development Agency
Dates	2007 - 2008
Occupation or position held	Consultant
Main activities and responsibilities	Responsible for CAPSDA (Centre for the Public Access to Advanced Digital Services).
Name and address of employer	Comunità montana del Savuto – Loc. Piano Lago, S. Stefano di Rogliano (CS) - IT
Type of business or sector	Local Authority
Dates	2006
Occupation or position held	Consultant

Main activities and responsibilities	Responsible for the study of the assessment of the vegetation coverage by means of remote sensing techniques..
Name and address of employer	Cartographic Centre of Calabria Region, Area SIR 88046 Lamezia Terme (CZ) - IT
Type of business or sector	Local Authority
Dates	2006
Occupation or position held	Consultant
Main activities and responsibilities	Responsible of the design and realisation of WEBGIS applications for the management of hydro geological and meteorological data.
Name and address of employer	Civil Protection Department of Regione Calabria (IT) - Loc. Germaneto (CZ) - IT
Type of business or sector	Civil Protection Local (Regional) Authority
Dates	2000 to 2005
Occupation or position held	Consultant
Main activities and responsibilities	Technical assistance to the procurement and validation of the remote surveillance system of the Marine Reserve of Capo Rizzuto.
Name and address of employer	Management Body of the Marine Reserve of Capo Rizzuto, Crotona, IT
Type of business or sector	Local Authority
Dates	2001 to 2004
Occupation or position held	Consultant
Main activities and responsibilities	Responsible for the research project "Thematic Laboratory of remote sensing for the monitoring of coastal waters".
Name and address of employer	Calpark, Loc. S. Stefano, Rende (CS), IT
Type of business or sector	Scientific and Technological Park
Dates	2000 to 2001
Occupation or position held	Trainer, Consultant
Main activities and responsibilities	Consultant of the Galgano & Associati Group in the frame of the project PASS "Training of the Officers of the Public Administration" – Cities of Naples and Catania".
Name and address of employer	Galgano Group, 53 Via G.A. Resti, 00143 Rome (IT)
Type of business or sector	Professional Training, Direction Consultancy
Dates	1992 to 1997
Occupation or position held	Technical Designer
Main activities and responsibilities	<ul style="list-style-type: none"> <li>Electrical design responsible of the overall Integration and Test campaign performed on the flight and protoflight models of the High Gain Antenna and Low Gain Antenna 1 of the deep space Cassini mission (program sponsored by NASA, ESA, ASI). The work has been done c/o facilities of Alenia Spazio in Rome and L'Aquila, Aerospaziale in Cannes (F), Jet Propulsion Laboratory (JPL) in Pasadena (CA - USA).</li> <li>Electrical Design responsible of all the radiofrequency chains embarked on the multibeam multifrequency High Gain Antenna of the deep-space mission to Saturn Cassini.</li> <li>Electrical Design responsible of the Cassini Low Gain Antenna 1.</li> <li>Electrical Design responsible of the Artemis Ka band Beacon Antenna (ESA mission).</li> </ul>
Name and address of employer	Alenia Aerospazio spa, 24 Via Saccomuro, 00124 Rome (IT)
Type of business or sector	Aerospace - Design and realisation of Satellite Telecommunication Systems

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## Education and training

Dates	2011
Title of qualification awarded	GML fundamentals, GML Hand On

Principal subjects/occupational skills covered	UML Data Models, GML Application Schema creation and mapping, Schema Validation, WFS deployment, use of data modelling software such as Enterprise Architect, Shapechange, GO Publisher.
Name and type of organisation providing education and training	Snowflake Software Ltd (UK)
Dates	2006
Title of qualification awarded	Certification "Intergraph Certified Developer for GeoMedia Desktop solutions" for the realisation and development of Geographic Information Systems (certification n° 1328)
Principal subjects/occupational skills covered	Design and realisation of GIS (Geographic Information Systems)
Name and type of organisation providing education and training	Intergraph Corporation (USA)
Dates	1999
Title of qualification awarded	Intensive training course on the use of ERDAS software for the processing of satellite remotely sensed data.
Principal subjects/occupational skills covered	Applications of Remote Sensing Technologies for the Environment
Name and type of organisation providing education and training	ESYS Ltd (UK) and Remote Sensing Unit of University College of London UCL (UK)
Dates	1998
Title of qualification awarded	Qualification of "Expert ISO-9000 Quality Auditor" (Card FITA-CONFINDUSTRIA N. 464)
Principal subjects/occupational skills covered	Design, Implementation and Audit of ISO 9000 Quality Systems
Name and type of organisation providing education and training	FITA (Italian Federation of Industries and Professional Services of the Tertiary Advanced Sector) (IT)
Dates	1991 to 1992
Title of qualification awarded	Stage of 12 months for the project and realisation of a Frequency Selective Surface employed as sub-reflector foreseen on board of the Italsat F2 /EMS satellite Italsat F2 / EMS (ESA programme).
Principal subjects/occupational skills covered	Electrical Design of Satellite Telecommunication Systems and Components
Name and type of organisation providing education and training	Alenia Spazio spa (IT)
Dates	1983 to 1991
Title of qualification awarded	Degree in Electronic Engineering – Telecommunications. Subject of the thesis: Feasibility study and preliminary design of a Frequency Selective Surface employed as sub-reflector foreseen on board of the Italsat F2 satellite. For this work he obtained in 1991 a scholarship of the SIP (Italian society for the telephony) for innovative studies in the frame of advanced telecommunications.
Principal subjects/occupational skills covered	Electronic Engineering – Telecommunications
Name and type of organisation providing education and training	University Politecnico di Milano (IT)
Dates	1977 to 1983
Title of qualification awarded	Diploma of Classic Maturity
Principal subjects/occupational skills covered	High School
Name and type of organisation providing education and training	Liceo Classico "B. Telesio" - Cosenza (IT)





## Additional information

### Publications:

#### Books and Reviews:

- Co-author of a chapter of the book "Future preparedness: thematic and spatial issues for the environment and sustainability", edited by Saviour Formosa – University of Malta and MEPA, Published in 2004 by University of Malta in conjunction with MEPA. ISBN 978-99957-834-6-4 (paperback) and 978-99957-834-7-1 (e-book).
- G. Martirano, M. Bonazountas, V. Gagliardi, "The Challenge of a Spatial Data Infrastructure for the Mediterranean Islands"; GeoSpatial Visual Analytics – Geographical Information Processing and Visual Analytics for Environmental Security, pagg. 377-386, edito da R. De Amicis, R. Stojanovic, G. Conti e pubblicato da Springer nel 2009; ISBN 978-90-481-2898-3; ISSN 1874-6519.
- M. Bonazountas, S. Kannellopoulos, J. Schaller, D. Kallidromitou, G. Martirano, "GIS & Visual Analytics on Grid Technology"; GeoSpatial Visual Analytics – Geographical Information Processing and Visual Analytics for Environmental Security, pagg. 287-298, edito da R. De Amicis, R. Stojanovic, G. Conti e pubblicato da Springer nel 2009; ISBN 978-90-481-2898-3; ISSN 1874-6519.
- co-author of the book "Identificazione e stima dei Parametri per la valutazione del rischio di desertificazione" a cura di Roberto Coscarelli, Consiglio Nazionale delle Ricerche, published by Nuova Bios in 2007.
- co-author of the book "Earth Observation Data Policy and Europe" edited by Ray Harris - University College London and published by Balkema in 2002.
- M. Maiolo, G. Martirano, P. Morrone, D. Pantusa, "Assessment criteria for a sustainable management of water resources" – Water Practice & Technology – vol. 1, issue 1, aug. 2006.
- V. Gagliardi, G. Martirano, L. Citino, P. Mastroianni "Il SIT del Comune di Rogliano" – Geomedia n° 2/2006.
- F. Alessandri, M. Chiodetti, A. Giugliarelli, D. Maiarelli, G. Martirano, D. Schmitt, L. Vanni, F. Vitulli, "The electric-field Integral-equation method for the analysis and design of a class of rectangular cavity filters loaded by dielectric and metallic cylindrical pucks" - Microwave Theory and Techniques, IEEE Transactions on Volume 52, Issue 8, Part 1, Aug. 2004 Page(s):1790 – 1797.
- F. Alessandri, M. Giordano, M. Guglielmi, G. Martirano, F. Vitulli, "A new multiple-tuned six-port Riblet-type directional coupler in rectangular waveguide"; Microwave Theory and Techniques, IEEE Transactions on Volume 51, Issue 5, May 2003 Page(s):1441 – 1448.

#### Technical Reports:

- G. Martirano, MT. Borzacchiello, R. Boguslawski, F. Pignatelli, P. Zangheri, D. Paci, I. Maschio, P. Bertoldi, "Buildings related datasets accessible through the INSPIRE geoportal", JRC Technical Report, European Commission, 2016, ISBN 978-92-79-59869-2, ISSN 1831-9424.
- H. Bloem, A. Kona, I. Maschio, G. Martirano, MT. Borzacchiello, P. Cipriano, R. Boguslawski, F. Pignatelli, "Spatial data for modelling building stock energy needs", JRC Conference and Workshop Report, European Commission, 2015.
- H. Bloem, R. Boguslawski, MT. Borzacchiello, P. Cipriano, A. Kona, G. Martirano, I. Maschio, F. Pignatelli, "Location data for buildings related energy efficiency policies", JRC Technical Report, European Commission, 2015, ISBN 978-92-79-50572-0, ISSN 1018-5593.

#### Congresses and Conferences Proceedings:

- G. Martirano, "An On-line Executable Test Suite to Validate Annex I-II-III INSPIRE Datasets", INSPIRE & GWF Conference 2015, Lisbon (PT), 25-29 May 2015.
- G. Martirano, "The need for open and harmonized spatial data – Urban Energy workshop", INSPIRE & GWF Conference 2015, Lisbon (PT), 25-29 May 2015.
- G. Martirano, "The knowledge based economy", INSPIRE Conference 2014, Aalborg (DK), 16-20 June 2014.
- G. Martirano, "How to Assess the Degree of Conformity to the Requirements Specified by Commission Regulation (EU) No 1089/2010 Relevant to a Dataset Belonging to INSPIRE Annex/III Data Themes", INSPIRE Conference 2014, Aalborg (DK), 16-20 June 2014.
- A. Astyakopoulos, G. Martirano, "INSPIRE Land Cover Data Specifications to Model Fire Access Time in Europe: the Experience of the eENVplus Project, INSPIRE Conference 2014, Aalborg (DK), 16-20 June 2014.
- G. Martirano, "SMEs as key players in geospatial-driven innovation", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
- G. Martirano, F. Vinci, M. Bonazountas, A. Astyakopoulos, "INSPIRE Land Cover Data Specifications to model fuel maps in Europe: the experience of the ArcFUEL LIFE+ project", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
- G. Martirano, F. Vinci, "Example of an Executable Test Suite to validate an INSPIRE WFS Download Service", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
- G. Martirano, "Input from EU funded project relevant for INSPIRE & the SDOs", INSPIRE Conference 2013, Florence (IT), 23-27 June 2013.
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