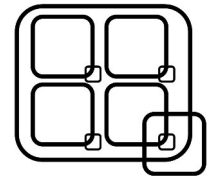


Andrea Giacomelli (pibinko): Culture, Environment, Open Innovation
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Brief profile

Studies

- MS Environmental Engineering (1993), PhD in Hydrology (1997) – specialized in Geographic Information Systems and environmental data management.

Languages

- Italian, English (four years spent in the UK as a child; using English as a business language since 1993), French (used as a business language), Portuguese, basic German. Passion for languages and dialects.

Culture and Society

- Creator and producer of awareness raising and promotion activities integrating cultural and environmental issues, with a focus on communication and community engagement processes. Among other initiatives: three editions of the [Farma Valley Winter Fest](http://www.palla21.it), the “Palla 21 from Tuscany to Chicago” (www.palla21.it), the “M(‘)appare Milano” campaign (www.gfoss.it/mapparemilano), the participatory dark sky quality monitoring “BuioMetria Partecipativa” (<http://www.pibinko.org/bmp>), and the photographic contest “Between Dusk and Dawn” (<http://www.pibinko.org/tramalba>).
- Many of these initiatives have received national and international recognition (media coverage, and awards)
- Founding member and media relations manager (from 2007 to 2010) for GFOSS.it the Italian Chapter of the Open Source Geospatial Foundation.
- Three years of experience (2002-2005) as a teacher of Italian as a foreign language.

Settings

- Work experience in universities, science parks, public sector, private companies, non-profit organizations.
- Participation in projects on different scales: from small communities in very local environments (small Tuscan villages), to European or global operations (international cooperation in the Mediterranean area, EU projects, large multinational consulting and engineering programs).
- Three years of experience as workgroup leader for a team of 20 people in a multinational company.
- Since 2010, operating in European Union working groups: Facilitator for the INSPIRE Directive (2010-2012); Italian member of the Management Committee in the a COST (research network) action on artificial light at night.
- Media relations manager for various projects since 2007

Information Technology and Environment

- Since 1993 I have been active in the field of Geographic Information Systems, applied to numerous domains (contaminated site studies, industrial park promotion, utility network surveys, water resources management, text mining, etc. (see <http://www.pibinko.org/maps-2/>)
- Skills in programming, analysis, image processing, and web applications (since 1996).
- Since 1993 I have been using *open source* solutions.
- Citizen science coordinator for the ENVIROFI project (7th European Research Framework Program)

Training and awareness raising

- I have about 30 scientific publications on the above mentioned topics.
- Since 1998 I have been giving numerous talks, and provided training and tutoring on all aspects related to the fields on which I work
-

Video and photography

Since 2006 I have been producing short videos and photo reports, either as fiction, or as documentation/promotion for the initiatives mentioned above. See <http://www.pibinko.org/videos/> and <http://www.pibinko.org/photography/>

Music

Since 2005, collaborating in various forms with musicians. Since 2017 active with the Band dalle Colline Metallifere, a rock-blues collective made by professionals, providing musical and educational performances. See <http://www.pibinko.org/music-and-rhymes/> and <http://www.jugbandcm.it>

Curriculum Vitae

Andrea Giacomelli

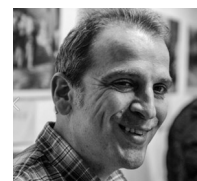
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Professional experience in a nutshell

- Since 2006, experience in creation and management of initiatives for the protection or promotion of lesser known environmental and cultural assets with a focus on networking of stakeholders.
- Since 1994, participation in various projects involving geographic information systems and environmental data management, with experience in different settings (research, technology transfer, engineering and consulting).
- Since 2012 I have started an increasingly strong effort to merge the scientific and technologic side of my business with arts (especially music, but with relevant collaborations also in photography and video).
- Since 1995, educational and awareness raising activities (through lectures, workshops, courses, and campaigns), in Italian, English, and French.
- Between 2003 and 2006, I served as staff manager for a workgroup of 25 people in an international setting.
- Between 2010 and 2016, active with advisory and facilitation roles in European Union working groups.
- Experience with translation (mostly English to Italian), proofreading and reviewing documents (in Italian, or English) throughout all my career.

Language skills

- Italian (mother tongue).
- English: practically native. I have had three year of my primary school in the UK. After this, I have been using English daily use in my work since 1993 in Universities, Research Centres, and for eight years in a US company.
- French: very good (can work and train in French).
- Portuguese, Spanish: fair.
- German: basic

Main projects

Communication/awareness raising/community engagement

This is a list of the main events I have created and/or managed. Additional links to most of these events may be found on my web site (<http://www.pibinko.org/services/promotion-communication-facilitation/>).

In parallel to these I manage the media relations for all activities I create, and I am often called to do the same for external clients. In this context, initiatives I promote have a good media visibility (please refer to <http://www.pibinko.org/media>). Last but not least, I have also been called to act in a short video report aired on national TV as “the star hunter”, in relation to my “Buiometria Partecipativa” project on participatory night sky quality monitoring.

The projects listed below represent mostly activities with a specific duration. In parallel to these there are currently three longer-running activities, qualifying more as “campaigns”. The most recent one started in 2018, with the Jug Band Colline Metallifere, which is gradually qualifying as a non-formal education project. The second and the third one both started in 2008 and are both related to participatory mapping: the buiometria partecipativa project (citizen science on light pollution and night sky quality), and the community mapping activities, mostly aimed at the preservation of place names which are gradually being forgotten by official government base maps.

2000

- Survey of GIS skills in Sardinia, with web forms and paper dissemination. 120 replies obtained.

2005

- Photo reporter for various events (mostly live concerts).
- Organizer of events in the social programme of INSPIRE conference in Alghero, Italy (e.g. dinners, outings, attendance to concerts).

2006

- Scripted and co-produced a short movie with a production team involving 30 people.

2007

- Video spot for the Italian Open Source Geospatial Consortium (OSGEO) Chapter.
- Promoted and managed a "mission" of a group of 20 players of an ancient hand ball game from Southern Tuscany (for Spanish folks: very similar to pelota Valenciana), to Chicago, Illinois in the Summer calendar of events by the Department of Culture of this city.

2008

- Participated in the organization of an OpenStreetMap event in Arezzo.
- Creation of a three-month participatory mapping campaign in Milano (for Milano I created the title "M(')appare"). Various people took part in the events, including citizens which you might not expect, such as a blind lady, or people typically disconnected from ICT and mapping. Note: The M(')appare was then used as a "format" in Ferrara, Portofino, Antola

Park.

- Organizer of a national conference on "Culture, environment, and free/open informatics: which opportunities by the integration of diverse themes".
- Proposal and management of a stand at Festambiente (the main Summer festival on environmental awareness in Italy), for the Italian OSGEO Chapter, together with collateral activities.
- Proposal and management of two photographic exhibitions (one in Tuscany and one in California) and one photographic contest on the ancient Tuscan hand ball game

2009

- Winner of a national award for the showing effective activities integrating technology, environment, and citizen participation.
- Festa di capo danno, with participation for three days of 50 people from outside Tuscany in a village of 200 residents.

2010

- *L'altro lato dell'altro lato* - farewell event for a major radio show (l'Altro lato - creator of the event, and part of the organizing committee). The event was attended by over 250 people from all over Italy.
- Photographic contest "between dusk and dawn", with over 600 participants from 52 countries.
- Organizer of the "First INSPIRE mashup" (on biodiversity), from April to the INSPIRE conference in Krakow.

2011

- Presentation of the Attivarti.org association at Terra Futura (Florence, one of the main events in Italy on awareness raising about environmental sustainability), with a session on light pollution and a concert arranged in the evening.
- Lecture at Politecnico di Milano (this is included as an "event" since it was provided as a performance, rather than a "standard" lecture).
- Proposer and manager of the second INSPIRE mashup, including a social event and a live radio interview with Radio 24 (the main "news and talk" radio in Italy).
- Photo exhibition in the Toscana Foto Festival of a selection of the best shots from the "Between dusk and dawn" contest in 2010.
- Festambiente stand for Attivarti.org.

2012

- Presentations at various events related to biodiversity, in the context of the ENVIROFI project (see below).
- Coordination of the exhibition and a web catalogue for the Società Filarmonica Popolare Torniella.
- Organization of two "siamese" conferences on "Culture, Environment, and Open Innovation" (Monticiano, 19 November, and Massa Marittima, 20 November).

2013

- New Year's Eve concert in Torniella (Southern Tuscany), again with [Hardisco](#) (in collaboration with the Torniella and Piloni communities).
- See "Long-term projects", at <http://www.pibinko.org/productiona/promotion-communication-facilitation>.

2014

- Four articles for the [Opinions Post](#), a citizen journalism web site (January).

- [Boscoriserva](#): a series of articles commenting songs from the Woodstock festival.
- 2015
- Management of an experimental campaign in [Torniella and Sesto Fiorentino](#) (Tuscany), with a combined meeting of the [Loss of the Night network](#), involving about 25 scientists from six European countries.
 - Campaign of one event per month for the promotion of the BuioMetria Partecipativa project, including, among others, invitations by the Italian National Research Council at the World EXPO in Milano, and to the UAE (Eye on Earth Summit and Ecocity World Summit).
- 2016
- Creator and coordinator of the Farma Valley Winter Fest (December 17-18-19, with five live music sets, talks, photography presentations, hiking, food and wine)
- 2017
- Collaboration with the rock band “Etruschi from Lakota” in the development of outreach activities on environmental issues
 - Promotion of the Farma Valley Community Map
- 2018
- Member of the organizing and scientific committee of the International Symposium on Protection and Promotion of the Night Sky (Sep. 13-14, Capraia Island), in collaboration with the University of Pisa and the National Research Council’s Institute of Biometeorology
 - coordinator of the Third Farma Valley Winter Fest (Dec. 14-16)
 - Launch of the Metalliferous Hills Jug Band, and international and intergenerational collective based in Southern Tuscany and proposing “[geomusic](#)”.
- 2019
- Various outreach initiatives organised nationally and internationally combining the main topics defined in 2018
- 2020
- Creation of the [Participatory Lithology](#) project as a resilience response initiative during the COVID-19 crisis
 - Promoter for Marco Chiavistrelli (an Italian songwriter focused on social rights, environment, ethnic minorities, etc.)
- 2022
- Facilitation for the acquisition of permits for the creation of a new system of hiking trails in the area os the Tuscan Mining Geopark, entailing the fast-track engagement of a group of almost 600 owners of land across seven municipalities

Information technology/environmental engineering

Client	Description	Date
Associazione Comunità di Punta Ala	Support and consulting on various IT aspects of the association’s operations	July 2017-ongoing

IRIS Ambiente	Geographic information system support in the creation of various trails (for trekking, Mountain Bike, and horse riding) in various parts of Tuscany, covering overall about 30% of the region	September 2017-ongoing
Idealcoop	GIS support in the design of a new recreational network of trails for Unione Comuni Montani Alta Val di Cecina (Tuscany)	November 2017-March 2019
Various SMEs	Development of web sites and social media marketing strategies	January 2017
IRIS Ambiente	GIS support in the validation of hiking trails in the municipality of Castelnuovo Val di Cecina and in the creation of various maps for the promotion of the hiking network	April 2015 - July 2016
Vineria La Combriccola	Consulting for promotion strategies (this is a cafe and wine bar, providing also tourist information services)	June 2014 – May 2016
Casa del Chiodo	Consulting for promotion strategies (this is a Tuscan farmhouse with local products and lodging options)	March 2015 - ongoing
Attivarti.org	Management Committee representative for Italy in the “Loss of the Night Network” funded by European COST Action ES1204	January 2013 – December 2016
Amatur	Design, development and maintenance of the web site for the Toscana Photo Festival	2014-2015
Italian consulting company	Design and development of an intranet web-GIS to support tourism policies in coastal areas in the Adriatic Region (with an INTERREG project)	2013
pibinko.org	Coordination of national initiatives on participatory monitoring of light pollution (BuioMetria Partecipativa and CORDILIT).	since 2008
National consulting company	Consulting for the definition of procedures for (1) fast-track GPS survey of approximately 30000 points of interest in an area corresponding to half of a large Italian region, and (2) postprocessing of the data for creation of GIS layers	2010
chemical	Design and development of an integrated application	2010

multinational	(database + spreadsheet + automation script) to support the planning and prioritization of a large engineering program for stormwater management (overall size of the program, around 150 projects, summing to circa 20 MEUR over five years)	
Regione Veneto	GIS support in the final design of a large (100 hectares) remediation wetland South of Venice. Optimization of the excavation plan, of the vegetation plan, and automated creation of the design drawings	2006
chemical multinational	Design and management of the development of a software application for the reserve estimate monitoring for a large environmental restoration programme (concerning approximately 30 plants in Europe)	2008-2010
chemical multinational	Definition of specifications and supervision of a document management system used to support a large contaminated site characterization and remediation project (involving approximately 50 users located in different countries)	2009-2010
chemical multinational	Management of a project for the update of wastewater network data in a petrochemical plant, involving coordination of field survey teams, GIS and CAD technicians for conversion of cartographic data through semi-automated procedures, and quality assessment/quality control of the processed data. Design and development of a web-GIS interface to access the collected data.	2004-2005
chemical multinational	Design and development of a Geographic information system supporting environmental characterization activities for a dismissed mining site. The work included the semi-automated processing of data sets deriving from different investigations, and the creation of a web mapping interface.	2004
industrial multinational	GIS and data management support for a large environmental characterization and restoration program	2002-2009
industrial multinational	Management of various phases of a data conversion and survey program to collect data for general planning at a large industrial installation (involving approximately 200 km of lines in a 10 square km site)	2003-2005
CRS4	Participation of the MULINO project (Multi-sectoral Integrated and Operational decision support system for sustainable use of water resources at the catchment scale). Role: review of GIS specifications and multi-language aspects	2001
CRS4	Creation of scripts and web interfaces for the access to data deriving from hydrologic modelling of saltwater intrusion in coastal aquifers in the Mediterranean area	1998

	(Sardinia, Tunisia, Morocco). This project also included training activities which I gave in French	
CRS4/ BIC Sardegna	Design and coordination of the development of a dynamic web-based socio-economic atlas of Sardinia, involving the integration, mapping and reporting of statistical data from various sources	1999-2004 (various task orders)
CRS4 / Osservatorio industriale della Sardegna	Design, development, and maintenance of the information systems for industrial parks in Sardinia (web-based multi-lingual site selection application). The project also included training for 15 technicians, a communication plan, and specific research to study web log data related to the system (in 2001)	1997-1999 (various task orders)
Politecnico di Milano	GIS-based integration of data deriving from distributed hydrologic modelling and synthetic aperture radar remote sensing for the estimation of surface soil moisture (HYREC EU research project)	1994-1997

Translation

Since 2021: translator and reviewer (language lead) for Pactera Edge

Since 2016: translator and reviewer for Verbalizeit.com

Since 1994 I have been taking care of translation and localization activities in all positions I have covered. This is applied to engineering reports, scientific and promotional articles, press releases, software documentation (mainly English to Italian).

I also maintain bilingual version of my main websites (pibinko.org and jugbandcm.it, currently containing over 2000 blog posts and approximately 50K words).

ICT skills

- Experience with ICT since 1993.
- At ease with multiple operating systems (Linux, Windows, Android).
- Active use of social media.
- Experience in tutorial and documentation editing.
- In-depth knowledge of general office productivity tools (word processing, spreadsheets, e-mail, presentations).
- Video editing.
- Specialisation in the use of various packages (mainly geographic information systems, image processing and database management).
- Basic systems administration skills (Windows, Debian).
- For all the projects mentioned below, I have been involved most of the design aspects, including needs assessment and definition of use cases.
- Coding experience in: PHP, VB/VBA, Perl, C, Avenue, Unix shell.

- Management and development of web applications (including CMS as Wordpress and MS Sharepoint).
- Use of tracking/issue reporting systems (JIRA).
- Use of versioning environments (SVN).
- Database management (MySQL, MS Access, SQLite).
- Use and tuning of numerical simulation models.
- Substantial experience with open-source solutions.

Education

- 1993 Politecnico di Milano, MS in environmental engineering. Dissertation on Evaluation of Surface Soil Moisture Distribution by means of SAR Remote Sensing Techniques and Conceptual Modelling – Thesis work undertaken within the ERASMUS programme at the University of Gent (Belgium)
- 1997 Politecnico di Milano, PhD in Hydrology with a dissertation on The integration of synthetic aperture radar remote sensing in the analysis of surface hydrologic processes: soil moisture estimation and flooded area identification

Organizational skills

- Experience in various phases of a project life cycle (from pre-sales to post-delivery assistance).
- Experience with work group of different sizes (from individual projects to very large programs with remote teams).
- Experience in organizations of different dimensions (from large multinationals to small communities).
- Involvement in various work sectors (public, private, research, technology transfer).
- Between 2003 and 2006 I have managed the workload for a team of 25 people in a consulting environment, mostly operating as distributed teams.

Communication skills

- Experience in the active use of various media (press, radio, web, video, photography).
- Since 2006, acting as media relations manager for various non-profit organizations, dealing with activities both at national and international level.
- I have written lyrics for twenty songs, several of which are being performed in events with the Jug Band Colline Metallifere or proposed via various media as a part of my communication plan.

Technical skills

- In-depth knowledge of various aspects of information systems (especially geographic information systems).
- Specific knowledge of issues related to environmental engineering and land planning (contaminated site assessment and remediation, hydrology, etc.).
- Reviewer for articles.

- Technical translations.
- Following actively since 1997 various developments related to geographic information and Earth observation in Europe.

Miscellanea

- Author and producer of various short videos and films (also with actual production teams), and photo reports.
- Independent studies on the application of GIS technologies in the analysis of public sector data (e.g. Regional laws and official bulletins).
- Passion for languages.

Presentations and talks

Since 2007 I started my activities in outreach and awareness raising, so -in addition to maintaining a presence in technical events- I have been giving an average of one presentation per month presentations, to very diverse audiences (from lectures in Universities to street festivals). The pibinko.org "[News](#)" section provides a track record of this.

Between 1993 and 2006 I have been giving talks regularly in technical events (conferences on GIS, hydrology, INSPIRE conferences, etc.), at least once a year.

Publications

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- Giacomelli A., E. Lorrai, L. Pireddu, *Il supporto dei sistemi informativi territoriali nella modellizzazione dei sistemi di trasporto regionali: la collaborazione tra CRiMM e CRS4*. CRS4 Technical report, 1998.
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