PERSONAL INFORMATION

Gianmarco Paris

📍 29, Via Santa Franca, Piacenza, 29121, Italy

📱 +39 338 165 0876

✉ gianmarco.paris@landmarkstudio.it

🌐 www.linkedin.com/in/gianmarcoparis/

💬 Skype gianmarco_paris

Sex Male | Date of birth 21/03/1965 | Nationality Italian

JOB APPLIED FOR

WORK EXPERIENCE

September 2003 – Present

Lecturer.

Politecnico di Milano, Piacenza, Italy.
University of Parma, Parma, Italy.
Marche Polytechnic, Ancona, Italy.
University of Milan, Milan, Italy.

To follow, some selected past and present lecturing experiences in Italian universities:

- 2022 - present: adjunct professor of General Ecology within the course "Urban and landscape regeneration studio - General Ecology" within the degree "Sustainable Architecture and Landscape Design" at the School of Architecture Urban Planning Construction Engineering, Politecnico di Milano.
- 2022 - present: lecturer of GIS modules within the course "Ecologia e sostenibilità dei processi produttivi" within the degree "Environmental and land planning engineering" at the School of Civil, Environmental and Land Management Engineering, Politecnico di Milano.
- 2021 - present: lecturer of GIS modules within the course "Ecology and agronomic sciences" within the degree "Landscape Architecture. Land Landscape Heritage" at the School of Architecture Urban Planning Construction Engineering, Politecnico di Milano.
- 2019 - present: lecturer of GIS modules within the course "IC Landscape Representation and Modelling - GIS Applications" within the degree "Sustainable Architecture and Landscape Design" at the School of Architecture Urban Planning Construction Engineering, Politecnico di Milano.
- 2019 - present: lecturer of GIS modules within the course "Urban and landscape regeneration studio - General Ecology" within the degree "Sustainable Architecture and Landscape Design" at the School of Architecture Urban Planning Construction Engineering, Politecnico di Milano.
- 2015 – 2022: lecturer of "Geographic Information Systems" within the degree "Sciences and Technologies for Environment and Resources" at the Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma.
- 2007: lecturer of "Analyses and management of natural resources by means of GIS" within the degree "Environmental sustainability and civil protection" at the Faculty of Sciences, Marche Polytechnic.
- 2003 – 2013: lecturer of "Environmental Information Systems" within the degree "Industrial and Environmental Biotechnology" at the Faculty of Mathematical, Physical and Natural Science, University of Milan.

Business or sector Higher education.

October 2018 – Present

Trainer and mentor.

Training and mentoring in the following programmes:

- In-country trainer for the use of the Climate Data Store of the Copernicus Climate Change Service (C3S)
- Turin DigiEduHack 2019, 2020, and 2021
- Copernicus Masters - Mentor for applicants of the 2019 selection
- Copernicus Accelerator Programme: mentor profile activated for matchmaking with selected mentees
  - Years: 2018, 2019, 2020, 2021
- EU-HorizonH2020 Astropreneurs - Accepted mentor for the Astropreneurs Space Startup Accelerator 2019

Business or sector Training, coaching and mentoring in developing business ideas based on Copernicus data and services.

| March 2016 – Present | **Coach and mentor.** |

EIT Climate-KIC.

Coaching and mentoring in the following EIT Climate-KIC education programmes:
- Pioneers Into Practice (2016, 2017, 2018, 2019, 2020)
- Climathon (2019, 2021)
- The Journey Climate Innovation Summer School (2018)

Business or sector Climate change adaptation and mitigation.

| January 2010 – Present | **Environmental consultant - GIS & EO analyst.** |

Landmarkstudio, Piacenza, Italy – www.landmarkstudio.it

Landmarkstudio is an environmental consulting group of professionals I co-founded in 2010. We provide services for both the public and private sectors in the field of environmental assessment and management, and develop GIS applications to a variety of environmental topics.

Business or sector Environmental assessment and management; GIS environmental applications.

| June 2015 – December 2020 | **GIS & EO analyst.** |

Regione Lombardia, Milan, Italy

Project
General revision of the regional territorial plan of the Lombardy region. The project aims at the revision of the current Regional Territorial Plan and the development of strategies and policies to comply with the regional law 31/2014 and the European guidelines on soil sealing.
Roles & Responsibilities in the project
In the workgroup I have the role of senior GIS analyst and database developer, covering the following tasks:
- Design, development, and deployment of a relational database that collects and unifies all the tabular datasets used in the plan
- Development of ad-hoc SQL queries to dynamically connect the Access database to the ArcMap map documents
- Spatial database design, development, and deployment (ESRI file geodatabase data model)
- Development of automatic procedures (ESRI Model Builder)
- Spatial analysis using both vector and raster data
- Use of EO data (Copernicus Sentinel)
- Layout creation and high quality map production

Business or sector Public administration; spatial planning.

| June 2009 – October 2013 | **GIS analyst - Database designer.** |

Pedemontana SpA, Milan, Italy; Studio A&T, Monza, Italy.

Project
Development of the Environmental Monitoring Plan of the Autostrada Pedemontana Lombarda. Aim of the project was the creation of a geographic information system dedicated to the Environmental Monitoring Plan of the motorway Autostrada Pedemontana Lombarda. The system was designed and developed to collect and permanently store all the environmental data and information (soil, water, atmosphere) during all the phases of the of the motorway (construction and operation). The information system was developed using the RDBMS Microsoft SQL Server and ArcGIS for Server, and also locally downscaled to be deployed in a simplified architecture based on SQL Server Express and ArcGIS for Desktop.

Roles & Responsibilities in the project
I supported Pedemontana and Studio A&T staff in the following tasks:
- Design, development, and deployment of the SQL Server database
- Development of SQL queries for data validation and quality control
- Development of SQL queries to generate daily, weekly and monthly report
- Development of ArcGIS Model Builder models and tools to access the SQL Server database and the SQL Server Express replicas
- Create ArcMap templates and Data Driven pages to create multi-page map series over the whole route of the motorway
- Create report maps for the different environmental components and for different time series.

Business or sector Private sector; spatial database design; GIS analyses.

| February 2008 – December 2009 | **GIS analyst - Database designer.** |

URS Italia SpA, Milan, Italy.

Project
Development of qualitative and quantitative monitoring network of the groundwater system in Sardegna. The project aimed at the creation of a geographical information system to assess and monitor the groundwater system of regione Sardegna. The system was based on a combined architecture with two main components: an RDBMS (Oracle) storing all the data and a GIS environment (ESRI ArcGIS) for analyses and mapping.

Roles & Responsibilities in the project
- Responsible for the data management of the information system
- Support to the design and development of the Oracle database
- Supervision to the data acquisition phase
- Development of SQL queries to produce Views to be imported in a set of ArcMap map documents
- Layout creation and production of high quality maps.

Business or sector Private sector; spatial database design; GIS analyses.

| October 2006 – October 2009 | **GIS analyst - Postdoc researcher.** |

LEAP Laboratorio Energia Ambiente Piacenza, Piacenza, Italy.

Project
E.C.A.T.E.: Efficiency and Environmental Compatibility of Energy Technologies – Sub project 2: Renewable and Related forms of Energy. ECATE Sub-Project 2 aimed at the exploitation of renewable energy sources. This was achieved by drawing up energy and environmental balances for energy recovery from waste, analysing opportunities afforded by the use of biomass and waste, and investigating innovative technologies for biomass and waste combustion. In particular, I took part in two phases:
1. Identification of methods of estimation of biomass and residue from agriculture, wood processing, forestry and animal breeding and of energy crop biomass
2. Data gathering for the evaluation of the availability of biomass in Piacenza province and Emilia Romagna region

Roles & Responsibilities in the project
I supported Leap researchers in:
- Designing and developing a GIS-based methodology to the evaluation of the availability of biomass (from agricultural and industrial residues, forest management, and short-rotation forestry) and relative energy potential
- Design, development, and deployment of a spatial geodatabase (ESRI personal

geodatabase in Microsoft Access format, and in ESRI file geodatabase format on a later stage of the project)
- Development of models and tools (ESRI Model Builder) for the automatic evaluation of biomass availability in different areas
- Layout creation and map production

Business or sector Public administration; GIS analyses.

| January 2000 – May 2008 | **GIS consultant.** |

Provincia di Milano (Milan Metropolitan City), Milan, Italy.

Project
From 2000 to 2008 I held a part time position as senior GIS analyst at the Territorial and Urban Planning Unit, Milan Metropolitan City. My activities covered the whole spectrum of GIS tasks: spatial and non-spatial database design, development, and deployment; spatial analyses; map production; design and creation of automatic procedures; web publishing and distribution.
Roles & Responsibilities in the project
- Design, development and deployment of both spatial and non-spatial databases in both client (ESRI ARC/INFO coverages, shapefiles, personal and file geodatabase; Microsoft Access) and server architecture (Oracle)
- Spatial analyses using both vector and raster data models
- Development of a variety of procedures (SQL queries, ESRI ARC/INFO AML scripts, models and tools in ESRI Model Builder)
- Layout creation and high quality map production
- Verification and quality control of third-party data / packages / products
- Web publishing in Intranet and Internet with ESRI ArcIMS technology
- System administration of UNIX Sun Solaris and Microsoft Windows family

Business or sector Public administration; GIS consultancy.

| January 2014 – December 2015 | **GIS developer - Database designer.** |

Italian Ministry of the Environment, Rome, Italy - Politecnico di Milano, Milan, Italy.

Project
GIS NATURA: the GIS of the naturalistic knowledge in Italy. GIS NATURA is a GIS software that unifies on a single database and on a common GIS interface more than 20 different database of fauna, flora, habitat, and protected areas in Italy. The GIS system was developed on a combined architecture of Microsoft Access and ESRI Arc Objects.
Roles & Responsibilities in the project
- Design, development, and deployment of the Microsoft Access databases at the core of the software
- Design of the software Graphic User Interface and of the functionalities of the application
- Harmonization and standardization of the spatial databases (shapefiles) from different sources
- Project management and coordination of the programmers involved in the development of the application.

Business or sector Public administration; GIS consultancy; environmental conservation.

| January 2002 – December 2005 | **GIS analyst.** |

CESI, Milan, Italy - Politecnico di Milano, Milan, Italy.

Project
Development of a GIS-based methodology to evaluate the environmental impact of electric power lines. Aim of the project was to develop a spatially explicit methodology (GIS-based) to assess the environmental impact of electric power lines at the national scale. The project was divided into the following steps:
- Development of a system of indicators and synthetic indices suitable for measuring the value / quality of the environment
- Identification and collection of available spatial and non-spatial datasets covering the whole Italian territory to measure indicators and synthetic indices
- Definition of the Fundamental Units of Analysis (regular grids, administrative boundaries)

- *Ex – ante* evaluation: calculation of the indicators and the synthetic indices in all the FUA before the construction of new power lines
- Development of a methodology to evaluate and quantify the impact of the construction of new power lines on the indices
- *Ex – post* evaluation: calculation of the indicators and the synthetic indices in all the FUA after the construction of new power lines

Roles & Responsibilities in the project
- Identification and collection of suitable spatial and non-spatial datasets at national level
- Harmonization and standardization of the datasets
- Spatial geoprocessing to calculate the values of the indicators in all the Fundamental Units of Analysis
- Layout creation and high quality map production

Business or sector Public administration; GIS analyses; environmental assessment.

2002 – 2003   GIS analyst.
Provincia di Piacenza, Piacenza, Italy.

Project
Piacenza province wildlife plan. Aim of the project was to develop a wildlife management plan for the Province of Piacenza. The wildlife management plan described the conditions of the main wildlife species and populations and set goals and criteria for the future management practises.
Roles & Responsibilities in the project
- Statistical analyses to investigate species – habitat relationship of the most important wildlife species observed in the province of Piacenza (One-way ANOVA; cluster analysis; multiple regression analysis; discriminant function analysis)
- Development and spatial application of species – habitat models on a GIS platform
- Layout creation and high quality mapping

Business or sector Public administration; GIS analyses; wildlife management.

2001 – 2002   GIS developer.
Regione Lombardia, Milan, Italy - Politecnico di Milano, Milan, Italy.

Project
Anthropic and natural risk assessment for cultural heritage. Aim of the project was to develop a software to assess and map the risk from human and natural causes faced by Lombardy's cultural heritage. Natural causes investigated where: floods, earthquakes, and avalanches. The risk assessment tool was entirely developed into a GIS platform.
Roles & Responsibilities in the project
- Design of the GIS-based risk assessment methodology
- Development of the software in the AML ARC/INFO language for compatibility with Regione Lombardia GIS platform

Business or sector Public administration; GIS tools for cultural heritage protection.

1994 – 1996   GIS and database developer - Postdoc researcher.
The University of Greenwich, Chatham Maritime, UK.

Project
Evolutionary Ecology of Reproductive Modes in Non-Marine Ostracoda. The European project (Contract Number: CHRXCT/93/0235 funded by the European Union DG XII into the Human Capital and Mobility Program framework) aimed at developing the database "NODE: Non-marine Ostracod Distribution in Europe". The NODE database was developed in Oracle and was connected to ESRI ARC/INFO to analyse geographic distribution patterns of recent and fossil species of non-marine ostracods.
Roles & Responsibilities in the project
- Design and development of the Oracle database
- Development of SQL queries to generate Views
- Development of Oracle FORMS for data input
- Development of a Graphic User Interface in ARC/INFO (AML language) to map ostracods distribution in Europe

Business or sector Public administration; GIS and database development for research.

EDUCATION AND TRAINING

November 1989 – July 1993	PhD in ecology.

University of Parma, Italy.

- Ecology
- Limnology
- Environmental protection

September 1984 – February 1989	University degree in biology.

University of Parma, Italy.

- General biology
- Botany
- Zoology
- Ecology

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English
C2	C2	C2	C2	C2

Communication skills
- Very good communication skills gained through my 27 years of experience as lecturer in undergraduate and graduate courses.

Computer skills
- Very good command of standard PC software (office tools, statistical packages)
- Very good command of some operating systems as administrator (Windows, UNIX Sun Solaris, Linux)
- Very good command of some GIS software (ArcGIS, GRASS, QGIS, gvSIG, PostGIS, Idrisi)
- Very good command of some DBMS (Oracle, SQL Server, PostrgreSQL)

Driving licence
- B

ADDITIONAL INFORMATION

- Full CV (in Italian), available here.

I hereby authorise the use of my personal data according to the Italian law n. 675 and the Legislative Decree n. 196/2003.

Piacenza, 25/02/2023   Gianmarco Paris