



## Francesca Pirlone

Associate professor

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### *Education and training*

2008

**PhD in Spatial planning Doctoral School Luoghi e tempi della città e del territorio**

University of Brescia

1999

**Member in good standing Italian Society of Professional Engineers. I am currently licensed to practice in Italy and throughout the European Union.**

1999

**Master Degree in Civil Engineering**

University of Genoa

### *Academic experience*

2018 - ONGOING

**Associate Professor**

University of Genoa

2011 - 2017

**Assistant professor**

University of Genoa

2009 - 2010

**Researcher**

University of Genoa

2008 - 2009

**Researcher**

University of Genoa

2003 - 2004

**Researcher**

University of Genoa

2002 - 2003

## **Researcher**

University of Genoa

## ***Language skills***

### **Italian**

Mother tongue

### **English**

Independent

## ***Teaching activity***

Professor in 'Town and Regional Planning' in several degree courses at the Polytechnic School of the University of Genoa.

She is also a professor in the CLA Sustainability Course in Citizenship Training.

Supervisor of several theses at the Polytechnic School of the University of Genoa.

Internship tutor at the Polytechnic School of the University of Genoa.

She is facilitator of the Community of Practice of the Polytechnic School of the University of Genoa.

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

Member of the Academic Board of the PhD Program in Civil and Environmental Engineering at the University of Brescia (from Cycle IXXX to Cycle XXXII).

Tutor and co-tutor of PhD theses for the Doctoral School: "Luoghi e tempi della città e del territorio" (involved universities: University of Brescia, Genoa, Milan,...).

Member of the Doctoral School in Civil, Chemical and Environmental Engineering of the University of Genoa, Curriculum: "Fluid Dynamics and Processes of Environmental Engineering".

She reviewed several PhD thesis within the SSD ICAR/20 for PhDs of other Italian Universities.

Responsible for research fellows in urban and land planning for the University of Genoa.

## ***Research interests***

Within the ICAR/20 disciplinary field 'Town and Regional Planning', I have developed several research topics obtaining interesting results for the urban planning tools and, more generally, for the city and land governance. These researches are related to:

- urban and territorial requalification;
- safety and security policies for urban and land planning territory;
- urban resilience;
- sustainability criteria for the evaluation of the feasibility of land

programmatic and implementation plans;

- sustainable mobility;
- sustainable waste management;
- sustainable and slow tourism;
- promotion of the local entrepreneurial spirit (start-ups creation and support);
- enhancement of rural areas and abandoned/unexploited villages.

She is the contact person of the working group on sustainable mobility within the UNIGE SUSTAINABLE Commission of the University of Genoa and the Contact person of the University of Genoa within the RUS- Network of Italian Universities for the working group on sustainable development and mobility.

She has been invited to speak at several international and national conferences.

She organized and took part in several participatory design activities in Italy and France.

She is a member of the Inter-University Centre for the Sustainable Development of Products - CESISP – of the University of Genoa.

She has carried out an intense scientific activity in the university field also thanks to European research projects (INTERREG II, III, IV, V, Leonardo Da Vinci, VI and VII Framework Development and Research Programmes, Maritime Cross-border, MED, ENPI CBC MED - as Scientific Manager) and national programmes (PRIN, University Research Projects, PAR FAS) and thanks to several collaborations with local Administrations.

## **Grants**

**2019 - ONGOING**

**MARITTIMOMOB Accélérateur Transfrontalier de Mobilités - Interreg Cooperation Program V-A Italy France Maritime 2014 2020**

Principal investigator

MARITTIMOMOB intends to tackle a double challenge: to improve the integration of young people into the labor market and to increase the competitiveness of the SME in the sustainable tourism and boating sectors linked to blue and green growth. The project provides a joint, innovative and qualifying training course (Master and internship) that will benefit companies and students within the territory under of cross-border cooperation programme.

**2018 - ONGOING**

**PORT-5R Towards sustainable waste management in Mediterranean ports - Interreg Cooperation Program V-A Italy France Maritime 2014 2020**

Principal investigator

The objective of PORT-5R is to reduce the negative environmental impacts

related to port activities within the cross-border cooperation area. In particular, the project aims to improve the quality of marine waters through sustainable waste management. To do this, one of the fundamental outputs of the project is the definition and subsequent implementation of a joint Italian-French waste management plan for port areas aimed at promoting the international strategy of the 5 Rs: Reduce, Re-use, Recycle, Recover and Rot.

**2018 - ONGOING**

**Sustainable mobility home/school and home/work promoted by the Italian Ministry of the Environment and Protection of Land and Sea**

Participant

as Contact person of the working group 'Sustainable Mobility' within the UNIGE SUSTAINABLE Commission of the University of Genoa.

The general objective of the PRINCE project (2018-2021) is to encourage sustainable transport (public transport such as bus, metro, car and bike sharing, cycling, walking, ...) for students, especially when travelling from home to university. In order to achieve this objective, the project foresees the definition and implementation of integrated incentive/award/discount policies linked to the use of sustainable transports. The target needs a mix of policies, adapted to the different mobility solutions considering in an integrated way different modes of transport.

**2017 - 2019**

**MARITTIMOTECH Accélérateur Transfrontalier de Startups project Interreg Cooperation Program V-A Italy France Maritime 2014 2020**

Principal investigator

The Accelerator MarittimoTech is the first cross-border accelerator thanks to a network of experts (such as universities, chambers of commerce, accelerators and incubators in the local area) and participants (start-ups and aspiring entrepreneurs) from Italy and France. To be competitive, the Accelerator MarittimoTech has specialised in the blue and green economy and in particular in boating, sustainable tourism, renewable energy and biotechnology.

**2017 - 2018**

**ALTER ECO Alternative tourist strategies to enhance the local sustainable development of tourism by promoting Mediterranean Identity - MED Programme**

Principal investigator

Subcontractor of the Municipality of Genoa

The project aims to reduce the negative effects linked to tourism through the diversification of the tourist offer. ALTER ECO identifies and implements alternative tourist itineraries through the direct involvement of local stakeholders. The project promotes urban planning and development strategies capable of enhancing the Mediterranean identity according to

the logic of sustainable and slow tourism.

2012 - 2015

**MED-3R Plateforme Stratégique euroméditerranéenne pour une gestion adaptée des déchets - ENPI CBC MED Programme**

Principal investigator

The objective of MED-3R was to strengthen cross-border coordination and cooperation between territories and the different actors involved in the waste cycle (collection, transport, disposal, recovery) to develop an integrated, efficient, intelligent and virtuous waste management system adapted to local contexts. Project activities included the definition of an urban Plans for sustainable waste management.

2014 - 2015

**MARAKANDA Historical centre markets - ENPI CBC MED Programme**

Principal investigator

The project aimed to create a network between the historical markets of some Mediterranean cities to share ideas and activities. The ultimate aim was to identify the best management systems/models for historical markets in order to consolidate their importance and impact on the development of cities from an economic, cultural, social and tourism point of view.

2014

**CYCLECITIES INTERREG IVC**

Principal investigator

Subcontractor of the Municipality of Genoa

The objective of CYCLECITIES was to carry out the transfer of experiences and the exchange of good practices between European cities aimed at building a knowledge capital that would support the integration of cycling in urban mobility management policies to improve traffic conditions and the urban environment.

2007 - 2010

**CHEF Cultural HEritage protection against Floods - 6th Framework Programme on Research Technological Development and Demonstration**

Participant

The project aimed at protecting real and personal property from flooding. The objectives of CHEF were the cultural heritage classification and the assessment of its vulnerability to a flood event. This was possible through the definition of procedures, methodologies and technologies to define preventive and provisional (emergency) measures and to evaluate restoration techniques.

2005 - 2008

## **RIVES Protection of the territory from natural risks - INTERREG III A ALCOTRA**

Participant

The aim of the project was to evaluate the possible damage caused by natural risks in order to identify all the critical points in the area under examination. The methodological approach placed the territory system at the centre, which has been divided into environmental and anthropic entities, functional, settlement and infrastructure systems.

2002 - 2005

## **CatchRisk Mitigation of hydro-geological risk in Alpine catchmentes - INTERREG III B Alpine Space**

Participant

The aim of the project was to mitigate the hydrogeological risk. CatchRisk defined models and methodologies to be used in case of flood risk and landslides in mountain areas and it prepared studies on the systemic vulnerability and assessments on the loss of settlement and territorial functionality.

2002 - 2004

## **PRIN 2002 La Salvaguardia di Valori Storici Culturali e Paesistici nelle Zone Sismiche Italiane - Scientific research programme of national interest**

Participant

The PRIN aimed to protect individual buildings and historical centers, establishing analytical and practical tools suitable for the urban planning field.

The objective of the research was to develop new methods for the risk analysis and assessment. The PRIN wanted also to propose a framework of all the possible prevention measures at different levels of scale.

2000 - 2002

## **GE.RI.A Natural risk management - INTERREG II a ALCOTRA**

Participant

In the project studies and researches have been carried out for the analysis of the hazard, vulnerability and damage of the main vulnerable categories at the different scales of reference. The research considered every type of possible calamitous event.

1999 - 2001

## **EUROPOLIS Planning instruments and procedures for land use management cooperation for a common training in view of land recovery and urban requalification - Community Initiative Programme Leonardo da Vinci**

Participant

EUROPOLIS aimed at designing training courses at European level on land

management, with particular reference to the complex issues of urban regeneration. The research collected, analysed and compared the normative-institutional framework, the existing tools and the different intervention techniques in Europe.

### ***Editorial activity***

Editorial Board of the series 'Città e territorio' by FrancoAngeli Edizioni di Milano.

She is editor for several scientific journals of Area 08.

### ***Other professional activities***

Member of the Società Italiana degli Urbanisti (SIU).

Member of the Associazione Italiana Ingegneria dei Trasporti (AIIT) and she is responsible for the relations with other universities.

Member of the Istituto Nazionale di Urbanistica (INU).