



Europass Curriculum Vitae



Personal information

First name / Surname **Mario Mezzanica**
Address University of Milano-Bicocca. Via Bicocca degli Arcimboldi 8, 20126 Milano (Italy)
Telephone [REDACTED]
Nationality Italian
Date of birth [REDACTED]
Gender [REDACTED]

Work experience

Academic activity – Teaching

2005 - Today Associate Professor of “Information System”
Employer University of Milan Bicocca – Department of statistics and quantitative methods.
Type of business or sector Teaching and Research activities

2005 - Today Scientific Director of CRISP – Interuniversity Research Centre on Public Services,
Employer University of Milano-Bicocca
Type of business or sector Research

2006 - Today Member of the Scientific and Technical Committee of CEFRIEL – ICT
Employer Centre of Excellence For Research, Innovation, Education and industrial Labs partnership.

2012 - Today Member of the Scientific Committee of the European Network on Regional Labour Market Monitoring
Employer The Network on Regional Labour Market Monitoring is a European-wide, non-profit organisation to further concepts and instruments in the field of Regional Labour Market Monitoring.
Type of business or sector Research

1999-2000 Lecturer “Training course for the management of firm data”, by University of Milan-Bicocca, Faculty of Statistics and in collaboration with Lombardy Region.
2002 Lecturer “The analysis of formation needs in labour market”, by University Cattolica del Sacro Cuore, Politecnico of Milan and University of Milan Bicocca.
2007-2008 President of the Coordination Committee and lecturer in the specialization course “Services Science and Public Governance”, in University of Milan-Bicocca

Postgraduate Masters
2005- 2009 Teacher at the master “Information and Communication Technology (ICT) Management”, by University of Milan Bicocca.

2006 Teacher at the master “Mediation expert in the process of approaching to job”, by University of Genova

Since 2010 President of the Committee of coordination and teacher of the Master “Business Intelligence and Decision Support systems”, by University of Milan Bicocca.

Management Courses

2001-2002 Lecturer “Health management – the information system in health” by University of Milan Bicocca in collaboration with Il Sole 24 ore and Maugeri Foundation.

2002 Lecturer “Professional training to directors of complex structures in the sector of Health – informational systems in Health”, by Scuola di Amministrazione Aziendale of University of Turin.

Academic activity – Research

The main area of interest is Information Systems where he has carried on several research activities that had been published on scientific journals, conference proceedings, and books both at international and national level.

Information systems

He investigated the methodological aspects concerning the design and reengineering of centralised and distributed information systems. In addition he worked on techniques and tools for addressing archive migration issues.

The research and study activities concern methodologies and strategic planning techniques for information systems, the definition of strategic positioning of the informative system inside complex strategies of organizations, the definition of applicative, technological and organizational strategy. We meet a peculiarity in the ambit of design and/or reorganization activities of Federate Informative Systems. In these systems the main focus is on the applicative architectural vision that has to be conceived in the full respect of autonomy management and organizational autonomy of the structures that are part of the federation. The architecture of inter-operability and applicative cooperation plays the main part for the Federate Informative Systems design.

Directional informative systems and datawarehouse

This research area studies and analyses the methodological aspects of design and management of institutional data (both public or private) to maximise the informational efficiency of the decisional process. The analysis concerns the methodologies, the techniques and the tools to manage the quality of data. The approach and methodologies have been applied to several different uses.

The first is related to the decision needs of individual organizations with emphasis on of directional informative requirements.

The second is related to “knowledge” needs of public services that require statistic methodologies and techniques – Statistical Informative System and data mining.

In this case with CRISP he has developed a methodology for processing and analysing administrative data on labour market and vacancy data. With these tools CRISP elaborates data for 5 major regions in Italy and has conducted research with several partners at European level.

In addition with CRISP he has developed innovative tools for analysing health data and assessing the quality of the health system. These pioneering studies have constituted the basis for similar experiments in several European countries.

Knowledge Discovery

Recently, the rapid diffusion of Information Systems has made available a huge amount of data, that require the use of KDD techniques and methodologies for extracting trustable and effective knowledge from the data, as they represent a valuable value for enterprises and PAs for deeply understand social, economic and business phenomena. His research in this direction has covered all the main step of the KDD process, which includes the data selection and integration; data preprocessing, transformation and cleaning; (statistical) data mining and multidimensional data visualization as well (e.g., parallel-coordinates). Specifically, he investigated automatic techniques for big data cleaning (i.e., based both of AI and ETL methods) applying it successfully to the labour market domain.

Furthermore, he devoted a particular attention to the use of ontologies and information extraction techniques for dealing with unstructured and weakly-structured data (e.g., Web sources). Towards this direction, his research also includes the use of semantic-based reasoning for extracting and producing linked-open data (LOD) from semi-structured data.

Collaborations with Organisations and Institutions

Several research activities, national and international, have taken place, together with participations in technical and scientific committees activated by public institutions, aimed at the study of new models and methodologies of design, monitor and evaluation of innovation projects with relevant impact on models of supply and management of public utility services based on new technologies I& CT. In several projects he holds a scientific coordination role in the project or in the research unit.

European Network on Regional Labour Market monitoring

Since 2007 he is research partner European Network on Regional Labour Market Monitoring. The network develops research initiatives on regional labour market across European countries promoting methods for the study research and analysis of regional labour market monitoring.

Within this network he has contributed also to the "Initiative for Networking Regional and Local Labour Market Observatories" within which he has contributed to the analysis of data on regional and local employment and professional development, on unemployment and inactivity as well as vocational and further education.

Committees Membership

- Member of the Coordination committee of the "Borsa Continua Nazionale del Lavoro (BCNL)" of Lombardy Region, Veneto Region and The Italian Ministry of Labour and Social Security
- He is member of the Editorial Board of International journals and conferences in the Artificial Intelligence and Information System fields (e.g., Applied Intelligence, DATA, SEBD)
- He is chair and organiser of the KomIS special session (Knowledge Discovery meets Information Systems: Experiences and lessons learned dealing with real-life scenarios) at DATA conference, held in Vienna, Austria, 2014. He is also chair of the KomIS 2015 (Colmar, France, July 2015)
- He held responsibility roles in the steering committees of a European research projects as SEEMP (Single European Employment Market-Place), ARLI (Achieving National and Regional Impact) and National research project as well (Decision Theater - Smart Cities and Communities and Social Innovation MIUR).
- He has partnered with the role of advice and coordination in several projects for innovation of public services at both national and regional level, working with the Italian Presidency of the Council of Ministers, the Italian Ministry of Labour and Social Security, the ISTAT (Italian National Institute for Statistics), the AIPA (Authority for Information Technology in Italian Public Administration), the Italian Ministry of Economy and Finance, CONSIP (Central Public Procurement Agency, a public stock company owned by Ministry of the Economy and Finance), as well as the main Italian Regions as Lombardy, Veneto, and Emilia Romagna

Award and Grant

- [2008] Winner of the IBM Faculty Award on SSME - Service Sciences Management Engineering
- [2013] Best paper award at the Human-Computer Interaction and Knowledge Discovery, 1-3 July 2013, Maribor, Slovenia, with the paper "Inconsistency Knowledge Discovery for Longitudinal Data Management: A Model-Based Approach," published at SouthCHI13 special session on Human-Computer Interaction & Knowledge Discovery, Lecture Notes in Computer Science, vol. 7947
- [2014] Best paper award at the DATA 2014, International Conference on Data Management Technologies and Applications, Vienna 28-30 August 2014, with the paper "Improving Data Cleansing Accuracy: A model-based Approach", In Proceedings of the 3rd International Conference on Data Technologies and Applications (DATA) (pp.189-201). Insticc.

Education and training

Dates	1985
Title of qualification awarded	Degree in Electronic Engineering
Name and type of organisation providing education and training	Politecnico di Milano

(Selected) Research Projects

He has been involved in several research projects relevant for the tender call, such as.

- **OMLRL.** The project has focused on the strengthening of the production structure of the Labour Market Observatory. The aim of the project is in knowledge generation for supporting the decision making process, focusing on the labour market policy definition. A model for data analysis has been defined based on administrative data sources, by obtaining a statistical knowledge base exploited for supporting the generation of new statistical indicators (2009-2014).
- **CSI Piemonte:** The project has focused on the study and definition of innovative data models for the Labour Market through the integration of several (external) Labour Market data sources. A Statistical Information System for decision making support has been realised, together with several reports concerning the analysis of the labour market dynamics at territorial level (2012-2014).
- **SEEMP (Single European Employment Market-Place).** It is a European research project within the 6th FP. The project has dealt with the realisation of distributed architecture - through semantic-based reasoning techniques - to allow labour market operators of several participating countries to share relevant information about job demands and offers, by dealing with the different languages and information representation issues. Furthermore, a DW for the decision support system has been generated as (one of) the outcomes of the project (2006-2009).
- **AMeRiCA.** The project was born from the collaboration between the Milan municipality and the Department of Statistics of the University of Milan-Bicocca. The project is concerned with the improvement of (socio-economic) aspects related to municipality administrative datasets by supporting the decision making for active policies. To this end, a Statistical Information System has been realised that allows one to (1) create statistical descriptive analyses and (2) compute statistical indicators for supporting the decision making on the basis of multivariate data models (2003-2010).
- **OMdLF.** The project has been devoted to the realisation of the Labour Market Observatory based on a federated data model for the enhancement of human capital. To this end, the project has dealt with the data model integration of several data sources (both statistical and economical), that has been then analysed for the generation of indicators for supporting the decision making activities in the context of active policy design, educational and training paths as well (2009-2010).
- **The Elisa Project (Statistical Information System for the Labour Market of the Milan Province).** The project is aimed at realising a statistical information system - through open-source solutions - for studying and monitoring the labour market dynamics with the aim to enable policy makers to plan new policies timely taking into account the labour market changes. The project has exploited the informative power of several administrative data sources by focusing on local labour markets, with the goal to overcome the lack of information provided by the official and traditional statistical sources (2008-2009).
- **ARLI (Achieving National and Regional Impact).** It is a EU founded project (PROGRESS Programme) which was aimed at improving the skills governance and provision of labour market intelligence at European, national, regional and local level, enhancing the involved stakeholders' ability to anticipate skills supply and demand. The project has involved 7 partners from 6 different countries and has included two main tasks: (1) the analysis of the information needs of labour market stakeholders and (2) the exploration of how existing regional and local provision of skills forecasting could be enhanced, including through interrelation with EU Skill Panorama; CRISP realized all the tasks focusing on the Italian national and regional context (2013-2014).
- **Development of the Observatory of the Lombardy Labour Market.** The project has been carried out in collaboration with the Regional Education Training and Employment Agency of Lombardy was the completion of a process that began in 2007 aiming at building a system for monitoring the performance of the labour market through the use of administrative data. Periodic analysis and detailed reporting on the performance of the labour market, in terms of general trend, professions and skills were also provided. Moreover the project included analysis to support the design and the evaluation of employment policies for specific targets. (2008- 2014)

Personal skills and competences

Mother tongue(s) Italian

Other language

Self-assessment

European level ()***English**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C2

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Excellent interpersonal skills both to colleagues and stakeholders

Organisational skills and competences

High organizational and leadership skills

Computer skills and competences

Excellent computer skills

Publications**A complete and updated list of publications is available at <http://goo.gl/lop5EE>**

