

## Europass curriculum vitae



### PERSONAL INFORMATION

First name(s) / Surname(s)	<b>Bombasaro Francesco</b>
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E-mail	francesco.bombasaro@gmail.com; francesco.bombasaro@protezionecivile.fvg.it
Nationality	Italian
Date of birth	17.10.1974
Gender	Male

- **Doctor of Philosophy (Ph.D.) on Project Management and Information Technology at "Sapienza – University of Rome" (November 2017 – July 2021).**

Thesis title: "Drivers and Barriers for Building Information Modeling (BIM) Adoption in Public Organizations".

The purpose of PhD research is to study BIM adoption and implementation in Public Administration context from the managerial perspective.

Therefore, **I have a sound expertise in Digital Innovation and Information Technology's application in public sector.**

- Sound experience on public procurements and contracts as, since 2005, I've managed more than 130 public projects which means around 10 public works per year with annual average amount of about 2.000.000 €.
- Sound experience on disaster management and emergency management response

### WORK EXPERIENCE

Dates	<u>Since 14 March 2005</u>
Occupation or position held	Employee
Main activities and responsibilities	<b>Sound experience on disaster management</b> <b>Sound experience on emergency management response</b> <b>Sound experience on Management of Public Works</b>

I am currently working at the Civil Protection of the Friuli Venezia Giulia Region (FVG), at the Technological, Information and Multimedia Systems (STIM) Unit, whose task is to manage the whole IT System of FVG Civil Protection. I am at STIM Unit since September 2020.

At the present, **I am Project Manager of civil work for the extension of the Civil Protection's**

**headquarters** (offices, training centre, guest house, helicopter runway, warehouses, outdoor areas – Project amount: 5.000.000 €).

**Moreover, I am in charge of BIM implementation in Civil Protection's organization**

From March 2005 to August 2020 (except the period at UCL), I was at the Rapid Intervention in Emergency Situations (PIE) Unit, whose task is to implement civil projects to overtake emergency situations.

The works in Civil Protection encompass prevention and mitigation in case of standard situation and, disaster management and post-emergency recovery operations through emergency measures;

**In emergency, I act as a disaster manager.**

**In this regard, I have a lot of experience in disaster management, having participated in many national wide disasters, especially following earthquakes.**

In particular, in emergency, I manage the construction of the tent cities, and then their management: in this sense my tasks are to manage the people hosted and the activities of the volunteers who work there (e.g. L'Aquila Earthquake 2009, Emilia Romagna Earthquake 2012 and Centre Italy earthquake 2016).

**In this regard, I gained experience and skills of people management and communication skills, besides the ability to solve unexpected problems.**

**Moreover, in emergency, I act as expert on damage evaluation and safe assessment of ordinary buildings and sheds" (Centre Italy earthquake 2016. Etna Earthquake 2018).**

**In the post emergency, I participated in activities to build schools and temporary homes (L'Aquila Earthquake 2009, Centre Italy earthquake 2016)**

Regarding emergency, I took part in:

- humanitarian aid operations for major natural disaster:
  - L'Aquila earthquake, April 2009, May 2009 and June 2009;
  - Marche Snow emergency, February 2012
  - Emilia Romagna earthquake, July 2012;
  - Serbia flooding, May 2014;
  - Amatrice earthquake, August 2016;
  - Etna earthquake, December 2018;
- logistic organisation of events of international importance:
  - Pope John Paul II funeral in Rome, April 2005, length of project 5 days on April 2005;
- Fire Prevention operation:
  - Sicily 2008, length of project: 10 days on August 2008;
- During the emergency "L'Aquila earthquake 2009" I took part in First Reconstruction of L'Aquila after the 2009's earthquake (L'Aquila earthquake, August 2009 – March 2010, length of project 8 months): – I worked for National Civil Protection: I supervised the construction of prefabricated schools (M.U.S.P Project). and prefabricated wooden houses (M.A.P. Project) and I was on site to verify the works.
- During the emergency "Centre of Italy earthquake 2016" I took part in:
  - activity of "damage evaluation and safe assessment of ordinary buildings and sheds in the post-earthquake emergency" for bringing back the evacuate population in their houses or workers in their working places:
    - ✓ Amatrice (RI): September/October 2016;
    - ✓ Norcia e Preci (PG): November 2016;
    - ✓ Rieti: March 2017;
  - reconstruction of senior kindergarten "Benedetto Costa" in Sarnano (MC) destroyed by the earthquake in Centre of Italy on 2016: the school is rebuilt as "Strategic Building" (Class IV based on Italian legislation) and N-ZEB (Near Zero Energy Building) energetic class – Value contract 2.000.000 €: I work as a static and technical tester (Sarnano (MC), April 2017 – December 2017, length of project 9 months);
- During the emergency "ETNA Earthquake – December 2018" I took part in:
  - activity of "damage evaluation and safe assessment of ordinary buildings and sheds in the post-earthquake emergency" for bringing back the evacuate population in their houses or

workers in their working places:

✓ Catania: December 2018/January 2019.

**In standard situation, I participated and organized national and international drills and I was in charge of International cooperation projects.**

The more common projects involves Italy, Austria, Slovenian and Croatia and they focuses on strengthen institutional collaboration by stimulating public bodies and key Civil Protection actors to plan joint solutions through coordinated measures of prevention, preparedness and response to natural emergencies: e.g. Crossit Safer, Armonia (seismic risk management), ALPDIRIS (digital information sharing during emergency intervention), REDINESS (Fire and Seismic risks), and many other European projects.

Moreover, I was in charge of the organization national and international drill and I also participate to national and international drill: for example I organized the following international drill STEP Project: International Exercise on Post-earthquake Damage Assessment); NEIFLEX (North Eastern Italy Flood EXercise) to test the European emergency during flood events; and others.

I was also in charge of training activities for Civil Protection: e.g. "Damage evaluation and safe assessment of ordinary buildings in the post-earthquake emergency" and "damage evaluation and safe assessment of shed buildings in the emergency post-earthquake" and so on.

In this regard, I managed the relationship with the Italian Ministry in order to planning the training, having experience on Ministry' relationships.

Moreover, I organized drills along with some members of European Parliament

Furthermore, on standard situation, when I was at PIE Unit, I designed, managed and supervised the construction of hydraulic, geotechnic and road works (i.e. dikes, embankments, diaphragms, reefs, foot bridges, road bridges, retaining walls, soil stabilisation, landslide stabilisation, road repairs, etc.).

Furthermore I occasionally cooperate with others Local Authorities of Region Friuli Venezia Giulia (i.e. Direzione Centrale Foreste, Direzione Centrale Ambiente e Lavori Pubblici) as supervisor, site health and tender committee on civil projects (marine and fluvial dredging, forest track, building maintenance).

Eventually, I specify that my responsibilities include ensuring that the projects are economically feasible. Since 2005, I've managed more than 130 public projects which means around 10 public works per year with annual average amount of about 2.000.000 €.

Name and address of employer	Protezione Civile della Regione Friuli Venezia Giulia, via Natisone n. 43 -Palmanova, ITALY
Type of business or sector	Civil Works (Public)
Dates	<b><u>12 June 2004 – 13 March 2005:</u></b>
Occupation or position held	Professional employee collaborator
Main activities and responsibilities	I was employed in an engineering consultancy group. I designed hydraulic-geotechnics works (i.e. weir, foot bridges, retaining walls, etc.) and civil projects (i.e. reinforced concrete buildings such as houses and block of flats; renovations; warehouse). At the same time I supervised construction and act as project manager in the works I had designed. The works were both public and private.
Name and address of employer	Puntel & Capellari Associati – via Petrarca, 17 – 33100 Udine
Type of business or sector	Construction sector (Public & Private)
Dates	<b><u>16 June 2003 – 11 June 2004:</u></b>
Occupation or position held	Employee (Engineer) in a multinational corporation: Danieli S.p.A.
Main activities and responsibilities	I collaborated with a senior project manager and a site planning manager: – on management of worldwide customer relations to solve the practical problems relevant to each work order; – to research for local suppliers to develop civil engineering works; – on management of the relation with worldwide design offices: to keep the correspondence, to manage the information in/out, to check the calculation, design and graphic representation of structural elements). The work was carried out according to American, European and Italian specification. In particular I

Name and address of employer	helped the project manager to check the design of bored piles in a major project in Iran (Ahwaz). DANIELI S.p.A. – via Nazionale, 41 – 33042 Buttrio (UD)
Type of business or sector	Steelworks Worldwide Sector
Dates	<b><u>Until 2002:</u></b>
Occupation or position held	/
Main activities and responsibilities	Surveyor, assisting in topographic measurements.
Name and address of employer	Various
Type of business or sector	Civil works

## EDUCATION AND TRAINING

Dates	<b><u>November 2017 – July 2021</u></b>
Title of qualification awarded	<b>Doctor of Philosophy (Ph.D.) on Management Engineering and Information Technology</b> Lengths of Ph.D.: 3 years and 8 months
Principal subjects/occupational skills covered	<b>Thesis title: "Drivers and Barriers for Building Information Modeling (BIM) Adoption in Public Organizations"</b> Moreover during my PhD <b>I have attended to following courses and lessons: business organisation (120 h) and project management(120 h)</b>
Name and type of organisation providing education and training	PhD Course in Industrial and Management Engineering - Department of Mechanical and Aerospace Engineering - Faculty of Civil and Industrial Engineering at "Sapienza – University of Roma", Rome, Italy (Prof. Fabio Nonino)
Level in national or international classification	Ph.D.
Dates	<b><u>December 2019 – August 2020</u></b>
Title of qualification awarded	PhD visiting research student.
Name and type of organisation providing education and training	The Bartlett School of Construction & Project Management - University College London (UCL), London, UK (Dr. Eleni Papadonikolaki - Prof. Tim Broyd)
Level in national or international classification	Ph.D.
Dates	<b><u>2003</u></b>
Title of qualification awarded	Complete a module at MSc course in Soil Mechanics at Imperial College London
Principal subjects/occupational skills covered	I studied in the Soil Mechanics Section of the Department of Civil and Environmental Engineering of Imperial College. The main matter: Slope Stability, Geotechnical, Earth Pressure, Laboratories.
Name and type of organisation providing education and training	Imperial College, London, UK (Prof. R.J.Chandler)
Level in national or international classification	Part of Master
Dates	<b><u>2002</u></b>
Title of qualification awarded	Graduated in civil engineering (Geotechnics), which included the following subjects:
Principal subjects/occupational skills covered	Mathematics, Physics, Continuum Mechanics, Geotechnics, Geology, Physics, Building Science, Seismic science, Design of Structures, Hydraulics, Hydraulic Constructions, Hydrogeology, Construction Technology, Topography, Road Construction, etc. Degree thesis: Immersed Tunnel: geotechnical application at the real case of Miramare-Barcola.
Name and type of organisation providing education and training	University of Studies of Udine, Italy

Level in national or international classification	Degree / Laurea (5 years)
Dates	<b>1993:</b>
Title of qualification awarded	General Certificate of Education in Land Surveyor by Istituto Sandro Pertini in Pordenone.
Principal subjects/occupational skills covered	Various
Name and type of organisation providing education and training	Istituto Tecnico per Geometri (Land Surveyor Technical College) "Sandro Pertini", Pordenone, Italy
Level in national or international classification	Diploma / Graduation
Dates	<b>2005:</b>
Title of qualification awarded	Italian certificate on health and safety supervision for civil works
Dates	<b>2003:</b>
Title of qualification awarded	passed the government examination and licensed as a profession engineer enrolled as a member of the Italian Engineering Society
Dates	<b>2016:</b>
Title of qualification awarded	Licensed to "damage evaluation and safe assessment of ordinary buildings in the post-earthquake emergency"
Name and type of organization providing education and training	National Civil Protection and University "Reluis", Rome, Italy
Dates	<b>2016:</b>
Title of qualification awarded	Licensed to "damage evaluation and safe assessment of shed buildings in the emergency post-earthquake"
Name and type of organization providing education and training	National Civil Protection and University "Reluis", Rome, Italy
Dates	<b>2016:</b>
Title of qualification awarded	ARCHICAD (software BIM authoring) on line class (30 h) for beginners
Name and type of organisation providing education and training	Weisoft S.r.l., Torino, Italy
Dates	<b>2020:</b>
Title of qualification awarded	Attendance on the following MSc course: <ul style="list-style-type: none"> <li>- Managing infrastructure projects and programmes - Module Leader: Dr Vedran Zerjav</li> <li>- Managing Innovation and Technology - Module Leader: Dr Stefano Miraglia</li> <li>- Managing Change in organisations - Module Leader: Dr Meri Duryan</li> <li>- Management of Innovation in Construction Firms and Projects - Module Leader: Dr Natalya Sergeeva</li> </ul>
Name and type of organisation providing education and training	The Bartlett School of Construction & Project Management - University College London (UCL), London, UK
Dates	<b>2020:</b>
Title of qualification awarded	Attendance "Questionnaire Design for Social Surveys" taught by Fred Conrand and Frauke Kreuter
Name and type of organisation providing education and training	University of Maryland and University of Michigan on COURSERA PLATFORM

Dates **2020:**  
 Title of qualification awarded "The realization of public works with BIM approach (56 h)  
 Name and type of organisation providing education and training ComPA FVG, Piazza XX Settembre – UDINE, Italy

Dates **Since 2005:**  
 Principal subjects/occupational skills covered Continuous training on Civil Protection. The topics included MANAGEMENT TRAINING (e.g. problem solving, staff motivate, how to define the project priorities, public speaking, time management, how to handle a meeting, how to communicate more effectively, etc.), SPECIFIC TECHNICAL TRAINING (e.g. regional guideline for meteorological, hydrogeological and hudraulic alert; work supervision for public work; hydrogeological instability; periodic Safety refresher courses to keep up the certificate on health and safety supervision for civil works; etc.), COMPUTER TRAININIG (e.g. software courses about: STR Vision; Quantum GIS (QGIS); Access, Excel, Autocad MAP 3D 2011, etc.). Besides I did a Slovenian language class for beginners (80 hours).  
 Name and type of organisation providing education and training Friuli Venezia Giulia Regional Government

## PERSONAL SKILLS AND COMPETENCES

Mother tongue(s) **Italian**

Other language(s) **English;  
Slovenian**

*Self-assessment  
European level (\*)*

**English**  
**Slovenian**

Understanding		Speaking		Writing
Listening	Reading	Spoken Interaction	Spoken Production	
<b>C1</b> Advanced	<b>C1</b> Advanced	<b>C1</b> Advanced	<b>C1</b> Advanced	<b>C1</b> Advanced
<b>A1</b> Beginner	<b>A1</b> Beginner	<b>A1</b> Beginner	<b>A1</b> Beginner	<b>A1</b> Beginner

(\*) *Common European Framework of Reference for Languages*

Other skills and competences:  
political administrative skills and competences

**Since April 2018:** municipal councillor at Sequals Municipality with responsibility for City Planning, technological infrastructure and Civil Protection.

I managed the organization and business of public offices. I managed the administrative and technical guidelines and financing of public works, town planning, technological infrastructure and Civil Protection of the local municipality.

**June 2014 – March 2018:** Leader of opposition group in town council at Corno di Rosazzo Municipality.

I manage the works of the group: analyze the budget plan, submit questions, motions and amendments in the city council, etc.

**June 2009 – June 2012:** town councillor with the responsibility for Public Works, City Planning and Civil Protection at Sequals Municipality

I managed the organization and business of public offices. I managed the administrative and technical guidelines and financing of public works and town planning of the local commune.

**Note:** the political – administrative activities above described consist in the following works:

- I take strategic decisions about development in the local public management of municipalities.
- I manage the communication with parties and associations, the relationship with public authorities (municipality, province, region).
- I organize events, debates about political.-administrative themes.

Organisational skills and competences

Fostering and strengthening the collaboration with Civil Protection and Universities and Public Bodies  
**2016:** representative/contact person for the Civil Protection for the cooperation agreement between Civil Protection Friuli Venezia Giulia and Polytechnic Department of Engineering and Architecture of Udine University about project collaboration on Building Information Modeling (BIM).

**2004 – 2009:** Manager (Coordinatore) of volunteering group of Civil Protection of Sequals Municipality.

Computer skills and competences

Knowledge and practical use of Windows and DOS systems.

Knowledge and practical use of the following programs: Office Package (Word, Excel, Power Point) Autocad by Autodesk (drawing software), Sap2000 (structural design software), STR (civil work accounting software); basic knowledge of ARCHICAD (BIM Authoring software).

## OTHER INFORMATIONS:

Driving licence: Patente B. European Driver's Licence

Teaching: **November – December 2015**

Partnership INAIL – Friuli Venezia Giulia Regional Government: "SICS Project: site health and safety management" for secondary school students

ISIS Magrini-Marchetti – Gemona del Friuli (Italy)

**24 November 2017:**

Seminar: " seismic risk: risk assessment and analysis of seismic vulnerability"

Aias Academy of Pordenone at Osa S.r.l. (ITALY)

**July 2020**

Assistant supervisor on degree thesis.

Title: "Drivers and Barriers to BIM adoption: Evaluation, Classification and Exploratory Analysis"  
"Sapienza – University of Rome"

Publication: **November 2019**

Title: "Investigating Building Information Modelling in the Public Sector: Current State of Research and Future Research Directions"

Presented at 50th Annual Conference of the Decision Sciences Institute. New Orleans (U.S.A.), 23 - 25 November 2019

Additional information

I am a sociable and active person with many interests: I partake in voluntary unpaid apprenticeship in the Italian Civil Protection,

I am interested in foreign, national and local policy, in problems relevant to the community where I live.

I attend technical refresher courses and I am intrigued by the cultures of other countries.

I acted as guarantor for the arrival of two refugees from Aleppo (Syria) through "Humanitarian Corridors" project of the Community of Sant'Egidio.

My hobbies include travelling, reading, listening to music, and playing sports.

I am also in possession of a full driving licence.

Due to my previous experiences of travelling, I am completely willing and happy to work abroad.

- Referee:** **Professor Richard J. Chandler** (former professor at Imperial College London)  
4 Kings Road - Oundle - Peterborough PE8 4AX (England)  
Telephone: 0044 (0)1832 274295
- Professor Maurizio Soranzo** (former professor at University of Udine)  
Galleria Ognissanti n°10 - 35129 Padova (Italy)  
Mobile: 0039 347 6792972
- Professor Francesco Chinellato** (University of Udine – Polytechnic Department of Engineering and Architecture)  
Via delle Scienze, 206 - 33100 Udine (Italy)  
Mobile: 0039 333 2325361
- Professor Fabio Nonino** (Sapienza – University of Rome - Department of Computer, Control and Management Engineering "Antonio Ruberti")  
Via Ariosto, 25 - 00185 - Rome – Italy  
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**Annexes (if required):** Attendance certificate at MSc course in Soil Mechanics at Imperial College London, U.K.  
Certificate of PhD visiting research student at University College London (UCL), U.K.

Date: 15.09.2021

