



VANESSA ASSUMMA

Based in TURIN (TO)

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🚗 DRIVING LICENSE B – Car owner

🇮🇹 🇬🇧 🇫🇷 🇵🇹 MOTHER TONGUE
ENG INDEPENDENT USER – IELTS 5.0–B2
FRA BASIC USER – A1
PT BASIC USER – A1

💻 OS: WIN/MAC/LINUX
SOFTWARE: EXCEL/POWERPOINT/WORD
ARCGIS/QGIS
EXPERTCHOICE/SUPERDECISIONS/DEFINITE
MIKTEX/MATHEMATICA
AUTOCAD/RHINOCEROS/SKETCHUP
ADOBE PHOTOSHOP/ILLUSTRATOR/INDESIGN

OCT 2017 – In course

Ph.D. Candidate – Urban and Regional Development, XXXIII Cycle

Interuniversity Department of Regional and Urban Studies and Planning, DIST,
Politecnico di Torino

Thesis: Assessing territorial resilience of environmental systems for shaping future territorial scenarios.
Supervisor: Prof. M.C. Bottero, Co-Supervisors: Prof. R. Monaco, Prof. E. De Angelis

Ph.D. visiting period:

University of Minho – Campus de Azurém, Guimarães, Portugal (nov 2018 – gen 2019; sep 2019; feb 2020).

Ph.D. Visiting Supervisor: Prof. A.J. Soares

Object: Assessing the territorial resilience of the Douro Valley (Portugal).

Winner of Edoardo Mollica Award 2018 – Young researcher, section Energy, Landscape and Innovation in the 3rd NMP 2019.

JUL 2018 – In course

Collaboration in VALIUM Research Group

Valuation for Integrated Urban Management (VALIUM). Ref.: Prof. M. BOTTERO, Prof. G. MONDINI, and the other members F. DELL'ANNA, C. CAPRIOLI, G. DATOLA, E. ZANETTA.

- **Strategic Environmental Assessment (SEA) for the Regional Plan of Quarry Activities:** Analysis of environmental components – Coherence Analysis with existing plans - Stakeholder Analysis – Analytic Network Process (ANP);
- **Strategic Environmental Assessment (SEA) for updating the Municipal Plan of Turin:** Literature review on the evaluation of ecosystem services – Literature and normative review on land take and soil sealing;
- **Strategic Environmental Assessment (SEA) for an Agreed Executive Plan (i.e. PEC) of a recreative area:** Historical analysis on the land take of a recreative area through GIS analysis – Calculation of the Land Take Index – Scenario Analysis.

MAR 2018 – In course

Teaching assistant

- Teorie e strumenti per le valutazioni immobiliari (Theories and instruments for real estate evaluations) (Prof. G. MONDINI)
- Valutazioni e fattibilità economica (Evaluations and Economic Feasibility) – Atelier Pianificare la Città (Prof. G. MONDINI)
- ASP Summer school 22-26th July 2019 – Decision making in changing urban context (Prof. Davide PONZINI)
- ASP XV Cycle - Project - Energy as a driver for territorial regeneration: the case of the Olivetti complex in Ivrea City (Prof. M. BOTTERO, Prof. S.P. CORGNATI, Prof. C. BECCHIO, Prof. F. CAUSONE, Prof. M. BERTA, M. DEMARZIANI)
- ASP Summer school 23-27th July 2018 – Decision making in changing urban context (Prof. Marta BOTTERO)
- Valutazioni di Impatto Ambientale (Environmental Impact Assessments) (Prof. G. MONDINI) A.A. 2017/2018; 2018/2019; 2019/2020.
- Estimo ambientale (Environmental evaluation) – Atelier "Pianificare il territorio ed il paesaggio" (Prof. Marta BOTTERO) A.A. 2017/2018; 2018/2019.

JAN 2018 – SEP 2019

Collaboration in Interdepartmental Research Centre

Responsible Risk Resilience Centre, Viale Mattioli 39, Torino (Italia) <http://www.r3c.polito.it/>
Reference Professors: Prof. R. MONACO and Prof. E. DE ANGELIS

- An integrated evaluation framework for shaping resilient scenarios. An application to the Monferrato Ovadese area (Ref. R. MONACO, Prof. M.C. BOTTERO, Prof. A.J. SOARES);
- Definition of a system of indicators for measuring the resilience of an environmental system (Prof. R. MONACO)
- Development of a system of social and economic indicators for evaluating the vulnerability of a city in Northern Italy (Ref. Prof. G. BRUNETTA, Prof. MONACO)

Collaboration in European Research Project

RESCULT Project: Increasing Resilience of Cultural heritage: a supporting decision tool for the safeguarding of cultural assets. <https://www.rescult-project.eu/>

Development of a Risk Analysis Interface for evaluating cultural assets. An application to the Church of Santa Maria dei Miracoli, Venice (Italy) (Ref. Prof. M.C. BOTTERO, in collaboration with LINKS, CORILA, IUAV and other partners)

JUL 2016 – JUL 2017

Collaboration in Engineering and Architecture Studios

Studio di ingegneria Spogler, Via Peyron 1, Torino (Italia) <http://www.studiospogler.it/>

Detection of building and termo-technical characteristics of buildings and real estate units finalized to the energy diagnosis (ex lege 10/91) and A.P.E.

Arch. A. RINALLO, Via Salgari 1, Torino (Italia) <http://www.studiokarchitecture.it/>

Freelance design, graphic restitution, realistic render, computation

FEB 2014 – FEB 2016

Master Degree in Territorial, Urban, Environmental and Landscape Planning (LM-48)

Politecnico di Torino

Thesis: La valutazione economica del paesaggio vitivinicolo di Langhe-Roero e Monferrato (Landscape Economic Evaluation of the vineyard landscape of Langhe-Roero and Monferrato).

Supervisor: Prof. M.C. BOTTERO, Co-Supervisor: Prof. R. MONACO

Vote: 105/110 – Web reporting http://www.architesi.polito.it/dettaglio_tesi.asp?id_tesi=34757

IELTS 5.0 – B2 (Independent User)

Internship (1 month)

Regione Piemonte, Department "Territorio e Paesaggio", Turin (Italy).

Research and development of parameters for evaluating the state of conservation of the vineyard landscape of Langhe-Roero and Monferrato.

Tutor: Arch. M. BONAUDO

OCT 2011 – DEC 2013

Bachelor Degree in Sciences of Territorial, Urban and Environmental Planning (L-21)

Mediterranean University of Reggio Calabria

Thesis: La valorizzazione integrata del patrimonio culturale attraverso il Cultural planning: il ruolo del Cultural mapping nei processi di sviluppo locale

(The integrated evaluation of cultural assets through the Cultural Planning: the role of Cultural Mapping within the local development processes).

Supervisor: Prof. L. DELLA SPINA, Co-supervisor: C. VENTURA

Vote: 110 cum laude

Internship (1 month)

Regione Calabria, Department "Urbanistica e Governo del Territorio", Reggio Calabria (Italy).

Normative framework on Regional Landscape Plan of Calabria Region, according to the Regional Regulation no.3/08. Tutor: Arch. M. CAMA

Other information

Course of French language

Chambre de Commerce Italienne pour la France, Paris (FR)

Intensive General English Course (60 hours) Edinburgh

English School (EAC), Edinburgh (UK)

High school diploma

Liceo Magistrale Tommaso Gulli, Reggio Calabria (Italia)

Publications

Full paper

- Assumma, V., Bottero, M., Datola, G., De Angelis, E., Monaco, R. (2020). Dynamic model for exploring resilience in territorial scenarios. In *Sustainability*, 12(3), DOI: 10.3390/su12010003
- Assumma V., Bottero M., Monaco R. (2019). Landscape Economic Attractiveness: an integrated methodology for exploring rural landscapes. In *Land*, 8(7):105. DOI: 10.3390/land8070105
- Assumma V., Bottero M., Monaco R., Soares A.J. (2019). An integrated evaluation methodology to measure ecological and economic states of an environmental system: an application in Piedmont (Italy). In *Ecological Indicators*, Vol 105, pp. 156-165 <https://doi.org/10.1016/j.ecolind.2019.04.071>.
- Brunetta G., Salizzoni E., Bottero M., Monaco R., Assumma V. (2019). Measuring resilience for territorial evaluation: An experimentation in Trentino. In *Valori & Valutazioni*, no. 20/2018, pp 69-78
- Assumma V., Bottero, M., Monaco, R., Mondini, R. (2018). Un approccio integrato per la misurazione dei valori e delle pressioni dei paesaggi vitivinicoli del Piemonte. In *Laborest*, 16, 75-80. <http://dx.medra.org/10.19254/LaborEst.16.12>
- Assumma V. (2015). La valorizzazione del patrimonio culturale nel paesaggio calabrese: eredità ed innovazione. In *Laborest*, 10, 5-10. <http://dx.medra.org/10.19254/LaborEst.10.01>

Contributing papers

- Olivero, S., Migliorini, M., Moretti F., Lingua, L., Matrone, F., Colucci, E., Chiabrando, F., Spanò, A., Bottero, M., Lombardi, P., Assumma, V., Datola, G., Noardo, F., Campostrini, P., Rinaldi, E., Appiotti, F., Penzini, S., Lemaire, S., Hempel, L. (2019). The RESCULT project: a new European Interoperable Database for improving the resilience of Cultural Heritage subject to disasters. 2019 edition of the Global Assessment Report on Disaster Risk Reduction (GAR 2019) https://www.preventionweb.net/files/65747_f18finalsergioliverotherescultproj.pdf

Book chapter

- Assumma V., Bottero M., Monaco R., Mondini G. (2019). Assessing the Landscape Value: An Integrated Approach to Measure the Attractiveness and Pressures of the Vineyard Landscape of Piedmont (Italy). In *New Metropolitan Perspectives*, pp. 251-259, Isth2020 New Metropolitan Perspectives. https://doi.org/10.1007/978-3-319-92102-0_27
- Assumma V., Bottero M., Monaco R., Soares A.J. (2018). An Integrated evaluation model for shaping future resilient scenarios in multi-pole territorial systems, In A. Leone & C. Gargiulo (Eds.), *Environmental and territorial modelling for planning and design*. (pp. 52 - 55). Naples: FedOAPress. ISBN: 978-88-6887-048-5, DOI:10.6093/978-88-6887-048-5.

Conference papers

- Assumma V., Bottero M., Monaco R., Pontiglione, I. (2019). A SPATIAL MULTICRITERIA ANALYSIS FOR EXPLORING TERRITORIAL SCENARIOS OF ECONOMIC ATTRACTIVENESS. Energy for Sustainability International Conference 2019, Designing a Sustainable Future, Turin, 24-26 Jul 2019
- Assumma, V., Bottero, M., Monaco, R., Soares, A.J. (2017). LA VALUTAZIONE ECOLOGICA-ECONOMICA DEL PAESAGGIO: UN'APPLICAZIONE AL MONFERRATO OVADESE <https://www.aisre.it/images/aisre/59441b02570482.30094570/Assumma1.pdf>
- Assumma, V., Bottero, M., Monaco, R. Landscape Economic Value for Territorial Scenarios of Change: an Application to the Vineyard Landscape of Langhe, Roero and Monferrato. *Procedia - Social and Behavioral Sciences*, 223, 549 – 554. DOI: 10.1016/j.sbspro.2016.05.340
- Assumma, V., Ventura, C. (2014). Role of Cultural Mapping within Local Development Processes: A Tool for the Integrated Enhancement of Rural Heritage. In Bevilacqua et al. (Eds.), *Advanced Engineering Forum*, 11, 495-502. <https://doi.org/10.4028/www.scientific.net/aef.11.495>

Speaker in lectures and seminars

- 10 FEB 2020 – Seminar on Results of the research project on the resilience assessment of the Douro Valley. AEVP, Vila Nova de Gaia, Portugal.
- 30 JAN 2020 – Lunch Seminar on Ecological-economic evaluation for assessing resilience of environmental systems (V. ASSUMMA, Prof. R. MONACO, Prof. A.J. SOARES). DIST, Politecnico di Torino.
- 18 JUL 2019 – Seminar Building sustainable and resilient cities, DIST, Politecnico di Torino.
- 29 JAN 2019 – Seminar An application of a mathematical model for environmental monitoring and assessment. CMAT, Universidade do Minho (Portugal), Campus de Azurem (Guimaraes).
- 16 Apr 2019 – GEAM, Team work e competenze relazionali - Valutare l'efficacia del team: strumenti e modelli (V. ASSUMMA, Prof. M. BOTTERO)
- 5 Mar 2019 – Course of Urban management (Prof. M.C. BOTTERO) – SWOT Analysis and Stakeholder Analysis.
- 19 Mar 2019 – Course of Urban management (Prof. M.C. BOTTERO) – The RESCULT Project
- Scuola di Specializzazione dei Beni Architettonici e Paesaggistici (Prof. M.C. BOTTERO) – The RESCULT Project
- 17 Apr 2015 - Seminar Il recupero dei vigneti terrazzati di Carema e altre proposte di sviluppo e valorizzazione del paesaggio rurale dell'Anfiteatro Morenico di Ivrea...nei lavori dei giovani pianificatori del Politecnico di Torino, Chiesa di S.Matteo, Carema, Italia

Chair in Conference session

- ICCSA 2020, 1-4 Jul, Cagliari (Italy). Dell'Ovo, M., Assumma, V., Caprioli, C., Datola, G., Dell'Anna, F. Workshop "Building multi-dimensional models for assessing complex environmental systems" (MES 2020).

Speaker in Conferences

- ICCSA 2020, Jul 1-4, Cagliari (Italy). Assumma, V., Bottero, M., Zanetta, E., Mondini, G. Evaluating alternative scenarios for the regional planning: application of the ANP process.
- 4th NMP 2020, May 24-26 Reggio Calabria (Italy). Assumma, V., Bottero, M., Zanetta, E., Mondini, G. Development of a Land Take Evaluation for a Recreative Park in Northern Italy.
- AISU 2019, 11-14 Sept, Bologna (Italy). Assumma, V., Quagliolo, C., Bicchieri G. (2019). A novel integrated evaluation model for measuring the resilience of urban centres: an application to the Municipality of Moncalieri (Turin). Bologna Sept 2019
- SIEV 2019, Siracusa (Italy). Mondini, G., Assumma, V., Bottero, M., Caprioli, C., Datola, G., Dell'Anna, F., 11-12 Jul, Siracusa (Italy). Valutazioni strategiche e pianificazione urbana: il caso della revisione del PRG di Torino.
- EURO 2019, 23-26 June, Dublin (Ireland). Assumma, V., Bottero, M., Lourenço, J., Monaco, R., Rodrigues, D. and Soares A.J. (2019). Evaluation of the resilience of complex territorial systems by using MCDA: an application to the Douro Valley (Portugal).
- INPUT 2018, 5-8th September, Viterbo (Italy). Assumma V., Bottero M., Monaco R., Soares A.J. (2018). An Integrated evaluation model for shaping future resilient scenarios in multi-pole territorial systems.
- EURO 2018, 9-11th July, Valencia (Spain). Assumma V., Bottero M., Ishizaka A., Tasiou, M. (2018). GAHP II Sorting method: an application to the vineyard landscape of Langhe, Roero and Monferrato (Italy).
- 3th NMP 2018, May, Reggio Calabria (Italy). Assumma V., Bottero M., Monaco R., Mondini G. (2019). Assessing the Landscape Value: An Integrated Approach to Measure the Attractiveness and Pressures of the Vineyard Landscape of Piedmont (Italy). In *New Metropolitan Perspectives*, pp. 251-259, Isth2020 New Metropolitan Perspectives in Reggio Calabria https://doi.org/10.1007/978-3-319-92102-0_27
- AISRE 2017, Cagliari (Italy). Assumma, V., Bottero, M., Monaco, R., Soares, A.J. LA VALUTAZIONE ECOLOGICA-ECONOMICA DEL PAESAGGIO: UN'APPLICAZIONE AL MONFERRATO OVADESE
- 2nd NMP 2016. Assumma, V., Bottero, M., Monaco, R. Landscape Economic Value for Territorial Scenarios of Change: an Application to the Vineyard Landscape of Langhe, Roero and Monferrato.
- 1st Isth2020 2014, May, Reggio Calabria (Italy). Assumma, V., Ventura, C. Role of cultural mapping within local development processes: A Tool for the Integrated Enhancement of Rural Heritage

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