

CURRICULUM VITAE



PERSONAL INFORMATION

First name / Surname

ELISA FURLAN

Address

PORTA DELL'INNOVAZIONE BUILDING - 2ND FLOOR
VIA DELLA LIBERTÀ, 12 - 30175 VENICE (VE), ITALY

E-mail

ELISA.FURLAN@CMCC.IT

Nationality

ITALIAN

Date of birth

14/04/1981

WORK EXPERIENCE

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

03/2019→

CMCC@Ca'Foscari

Euro-Mediterranean Center on Climate Change| Ca' Foscari University of Venice

Research activities, environmental analysis.

Junior scientist

The research activities are carried out within the following research projects:

TRITON (2018 →) Development of management tools and directives for immediate protection of biodiversity in coastal areas affected by sea erosion and establishment of appropriate environmental control systems.

LODE (2019 →) Loss Data Enhancement for DRR and CCA Management. The project will develop an inclusive damage and loss data model, which will result in an information infrastructure for recording damage from multiple sectors at relevant spatial and temporal scales.

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

03/2018→02/2019

Department of Environmental Sciences, Informatics and Statistics, University Ca' Foscari Venice. Vegapark, Via delle Industrie 21/8, 30175 Marghera, Venice (Italy).

Research activities, environmental analysis.

Post doc researcher

Design and application of a novel methodology for the assessment of environmental impacts and ecosystem services (ESs) loss on coastal and marine areas, by applying GIS-based tools and complex systems methods. Development of a set of spatial output identifying and ranking areas and key receptors mostly affected by environmental impacts and ESs loss, where management measures and climate adaptation strategies would be best targeted.

The research activities are carried out within the following research project:

VENEZIA 2021 (2018 →) design of a risk-based methodology supporting the estimation of risks induced by multiple climate-related impacts (e.g. sea level rise, floods, storms, droughts, extreme temperatures) on both the lagoon and urban scale, as well as the identification, against a multi-risk perspective, of potential cumulative and synergic effects induced by interactive pressures. Resulting output will be used to inform the climate adaptation plan for the Venice Metropolitan City.

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

03/2017→06/2018

Euro-Mediterranean Center on Climate Change

Research activities, environmental analysis.

Post doc researcher

Research activities concerning the development and implementation of GIS-based approaches to analyse impacts, vulnerabilities and risks related to climate change and natural hazards on natural and human systems.

The research activities are carried out within the following research projects:

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

SAVEMEDCOASTS (2017-2018) -Sea level rise scenarios along the Mediterranean coasts- EU-Funded project aimed at responding to the need for people and assets prevention from natural disasters in Mediterranean coastal areas undergoing to increasing sea level rise and climate change impacts.

07/2014→02/2017

Euro-Mediterranean Center on Climate Change

Research activities, environmental analysis.

Junior research associate.

Research and training activities focusing the development and implementation of GIS-based approaches to analyse impacts, vulnerabilities and risks related to climate change and natural hazards on natural and human systems.

The research activities are carried out within the following research projects:

ClimaSouth (2015-2018) –Low carbon development for climate resilient societies- EU-Funded project supporting climate change mitigation and adaptation in 9 South Mediterranean countries: Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Palestine and Tunisia. Its overall objective is to assist with the transition of partner countries towards low carbon economies, while building climate resilience and exploiting opportunities for economic development and employment in the region.

PNACC (2016-2017) –Climate change risk assessment within the Italian National Plan for the adaptation to climate change.

Cháke Ou (2016-2017) –Cooperation project funded by the European Commission's Humanitarian Aid and Civil Protection Department (ECHO) in the context of the Disaster Preparedness Action Plan (DIPECHO) (code ECHO-SM/BUD/2015/91028). It aims at strengthening institutional and community preparedness and coordination capacities for disaster risk reduction in Paraguay.

PERSEUS (2012-2015) -Policy-oriented marine Environmental Research in the Southern European Seas- founded under the FP7. Scientific research and socio-economic analysis applied to a wide-ranging scale, from basin to coasts. The new knowledge will advance understanding on the selection and application of appropriate descriptors and indicators of the MSFD.

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

01/2013-06/2014

University Ca' Foscari of Venice. Department of Environmental Sciences, Informatics and Statistics, Dorsoduro 2137, 30121, Venice.

Research activities, environmental analysis.

Junior researcher.

Research activities concerning the analysis of impacts, vulnerabilities and risks related to climate change and natural hazards on natural and human systems.

Design and application of GIS-based risk assessment methods for the identification and ranking of targets and areas at risk from climate change at the regional and local scale. Implementation of risk-based Decision Support Systems (DSSs) and frameworks for the integration of high resolution hazard scenarios with environmental and socio-economic vulnerabilities in order to identify hot-spot risk areas and drive the definition of effective adaptation strategies.

The research activities were carried out within the following research projects:

ORIENTGATE (2012-2014) -A network for the integration of climate knowledge into policy and planning-. The project aims at fostering concerted and coordinated climate adaptation actions across the SEE region. It explores climate risks faced by coastal, rural and urban communities; contributing to a better understanding of the impact of climate variability and change on water regimes, forests and agro-ecosystems.

CLIMDAT (2010-2013) is a national project funded by the Italian Institute for Environmental Protection and Research (ISPRA), aimed at improving understanding of the impacts caused by climatic changes in the coastal area of the North Adriatic Sea.

CLIM-RUN (2011-2013): -Climate Local Information in the Mediterranean region: Responding to User Needs-, funded by the European 7th Framework Program. The project aims at developing a protocol for applying new methodologies and improved modelling and downscaling tools for the provision of adequate climate information at regional to local scale that is relevant to and usable by different sectors of society (policymakers, industry, cities, etc.).

PEGASO (2010-2013): -People for Ecosystem Based Governance in Assessing Sustainable

Development of Ocean and Coast-, funded by the European FP7. The project aims at building on existing capacities and develop common novel approaches to support integrated policies for the coastal, marine and maritime realms of the Mediterranean and Black Sea Basins in ways that are consistent with and relevant to the implementation of the ICZM Protocol for the Mediterranean.

- Dates 06/2003 →12/2012
- Name and address of employer Servizio Informativo del Consorzio Venezia Nuova –Venice Water Authority-
San Marco 2303, Venice.
- Type of business or sector Environmental analysis.
- Occupation or position held GIS Analyst, environmental planner. Process manager for the quality management system of Venice Water Authority.
- Main activities and responsibilities
 - Integration of multi-criteria GIS analysis and remote sensing to identify illegal landfills and dumps in the Veneto region. Design and implementation of the geodatabase supporting environmental surveys.
 - Analysis of the energy potential, from renewable resource, of the Veneto Region. Preparatory research for the development of the guidelines related to the Regional Energy Plan.
 - Design and implementation of the environmental GIS and related web-GIS, of the municipalities placed along the Garda Lake. Spatially explicit GIS analysis of environmental indicators through for the EMAS Certification of the case study area.
 - Management of the process concerning the environmental surveys according to the standard UNI EN ISO 9001:2008. Development of management tools for process' monitoring.

- Dates 31/05/2008
- Name and address of employer University of Architecture of Venice – IUAV -, Department of Design and Planning in Complex Environments. Master in Geographical Information Systems
- Type of business or sector Education.
- Occupation or position held Lecturer.
- Main activities and responsibilities Lecture concerning Environmental Impact Assessment –EIA- and Strategic Environmental Assessment –SEA- approaches with a specific case study focusing on the evaluation of cumulative impacts (i.e. cumulative noise and air pollution) induce by the implementation of a new road infrastructure close to a Site of Community Importance (municipality of Cessalto –Treviso).

- Dates 09/2007→04/2008
- Name and address of employer University of Architecture of Venice – IUAV -, Department of Design and Planning in Complex Environments. Cà Tron, Santa Croce 1957, Venice.
- Type of business or sector Scientific Research.
- Occupation or position held Junior researcher.
- Main activities and responsibilities Research activities focusing on the evaluation of cumulative impacts induced by anthropogenic infrastructures on landscape and environment by means of integrated GIS techniques and Landscape Ecology indicators.

EDUCATION AND TRAINING

- Dates 09/2013 → 03/2017
- Name and type of organisation providing education and training University Ca' Foscari of Venice, Department of Environmental Sciences, Informatics and Statistics.
Dorsoduro 2137, 30121, Venice.
- Principal subjects/occupational skills covered Development and implementation of a GIS-based multi-risk approach to evaluate interactions between multiple pressures produced by natural and anthropogenic drivers in marine areas (e.g. thermal and salinity variation, biological disturbance, nutrient input) and their potential impact on marine ecosystems, by integrating physical, environmental and socio-economic features of the analyzed system. By implementing GIS-based Bayesian Belief Network analysis (BBNs), the developed approach allows to support maritime spatial planning (MSP) and adaptive policy making processes toward the sustainable management of marine areas and, finally, the achievement of the Good Environmental Status, as required by the implementation of the Marine Strategy Framework Directive (MSFD).
- Thesis: *Cumulative impacts assessment in marine areas. A multi-disciplinary approach setting the scene for the adaptive management of the Adriatic sea.* Supervisor: Prof. Andrea Critto.

<ul style="list-style-type: none"> • Title of qualification awarded 	PhD in Environmental Science.
<ul style="list-style-type: none"> • Dates 	15/08/2016 → 09/09/2016
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	Thünen-Institute of Sea Fisheries, Research Unit on Marine Spatial Management. Hamburg, Germany.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Visiting researcher.
<ul style="list-style-type: none"> • Dates 	01/10/2015 → 30/11/2015
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	Chinese Research Academy of Environmental Sciences (CRAES). Beijing, China.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Marie Curie IRSES Fellow within the GLOCOM project (http://www.dais.unive.it/~glocom/).
<ul style="list-style-type: none"> • Dates 	30/06/2014 → 04/07/2014
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	Shirshov Institute of Oceanology, Russian Academy of Sciences (SIO RAS). Gelendzhik, Russia.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Training Courses/ Summer School 'Challenge for good environmental status in coastal waters'.
<ul style="list-style-type: none"> • Title of qualification awarded 	Certificate of attendance.
<ul style="list-style-type: none"> • Dates 	19/05/2014 → 23/05/2014
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	Euro Mediterranean Center on climate change (CMCC) and the International Center for Climate Governance (ICCG). Island of San Giorgio Maggiore, Venice, Italy
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	CMCC – ICCG Summer School on 'Adaptation Policies and Practices in the Mediterranean Basin (MedAdapt)'
<ul style="list-style-type: none"> • Title of qualification awarded 	Certificate of attendance.
<ul style="list-style-type: none"> • Dates 	15/05/2008 → 06/06/2008
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	FormAutonomie Spa, -Ministero dell'Ambiente e della Tutela del Territorio-.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Advanced course for GIS Analyst.
<ul style="list-style-type: none"> • Title of qualification awarded 	Certificate of attendance.
<ul style="list-style-type: none"> • Dates 	15/10/2005 → 28/03/2008
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	University of Architecture of Venice -IUAV-, Department of Design and Planning in Complex Environments. Cà Tron, Santa Croce 1957, Venice; Alghero School of Architecture –UNISS-, Department of Architecture, design and Urban Planning.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Design of policies and environmental/territorial plans, including principle of sustainable development in planning approaches and practices of urban development. Monitoring and assessment of plans and programs through EIA and SEA approaches. Use of GIS and remote sensing applied to planning and environmental assessment with a specific focus on in cumulative impact assessment procedures. Thesis: Impatti cumulativi nella VAS. Un'applicazione territoriale (Cumulative Impacts in Strategic Environmental Assessment –SEA-. A territorial application). Supervisors: Prof. Virginio Bettini and Prof. Domenico Patassini.
<ul style="list-style-type: none"> • Title of qualification awarded 	European master in 'Planning and policies for city, environment and landscape' (Laurea specialistica in Pianificazione e Politiche per l'Ambiente) (110/110 cum laude).
<ul style="list-style-type: none"> • Dates 	10/2005 → 03/2008
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	Universitat Autònoma de Barcelona, Departament de Geografia.
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	Master en Polítiques y Planificació Ambiental.

<ul style="list-style-type: none"> • Title of qualification awarded 	<p><i>Joint degree 'en Politiques y Planificació Ambiental' (Excelente).</i></p>
<ul style="list-style-type: none"> • Dates 	<p>28/09/2000→ 16/04/2004</p>
<ul style="list-style-type: none"> • Name and type of organisation providing education and training 	<p>University of Architecture of Venice -IUAV-, Department of Design and Planning in Complex Environments. Cà Tron, Santa Croce 1957, Venezia.</p>
<ul style="list-style-type: none"> • Principal subjects/occupational skills covered 	<p>GIS and remote sensing analysis applied to urban planning and environmental assessment. Thesis: GIS e Telerilevamento: metodi d'integrazione e d'analisi degli strumenti per il riconoscimento delle discariche abusive (Integration of remote sensing and GIS methodologies to identify and maps illegal landfills). Supervisor: Prof. Luigi Di Prinzio.</p>
<ul style="list-style-type: none"> • Title of qualification awarded 	<p>Bachelor degree in Geographic Information System (106/110).</p>

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE(S)

ITALIAN

OTHER LANGUAGES

- Reading
- Listening
- Spoken Interaction

ENGLISH

C1: Advanced
C1: Advanced
C1: Advanced

CHINESE

A1.1: Beginner
A1.1: Beginner
A1.1: Beginner

SOCIAL SKILLS AND COMPETENCES

Good ability to work on different projects requiring flexibility and adaptability.
Good pedagogic skills obtained through teaching and tutoring experiences. Experience in organizing workshops and conferences.

ORGANISATIONAL SKILLS AND COMPETENCES

Good team spirit and good ability to interact with different public and private authorities.
Good ability to develop technical reports and deliverable aimed at explaining projects and environmental plans as well as resulting output from analytical processes.

COMPUTER SKILLS AND COMPETENCES

Good command of GIS and cartography tools: Geomedia Professional, ESRI ArcGis, QGIS.
Good command of WebGIS tools: Geomedia WebMapLite.
Basic command of Remote Sensing tools for analyzing high and low resolution satellite data (Landsat, Ikonos, Quikbird): ENVI, ErMapper.
Good knowledge of database designing, implementation and updating tools: Microsoft Access.
Good knowledge of Image registration technique: Geomedia Professional, ESRI ArcGis, IRAS_C, ENVI.
Good knowledge of Decision support System: Definite, DESYCO (DEcision support SYstem for COastal climate change impact assessment).
Good command of Bayesian Networks (BNs) tools: Hugin.
Good command of Microsoft Office™ tools: Word™, Excel™ and PowerPoint™.
Basic knowledge of graphic design applications: Photoshop, IrfanView, Adobe Illustrator.

ARTISTIC SKILLS AND COMPETENCES

Aptitude for graphic composition and design applied to thematic maps and layout. Great interest for any kind of artistic expression especially for visual art, architecture and interior design.

DRIVING LICENCE

Category B

ADDITIONAL INFORMATION

Teaching and tutoring activities

Lecturer within the training module 'Climate scenarios and adaptation and mitigation policies' organized in the frame of the Sicab project (Sino Italian capacity building for environmental protection; <https://www.sicab.net>). Lecture entitled: 'Climate change impacts and risks: tools and methods supporting vulnerability assessment and adaptation planning' (19 December 2018).

Lecturer within the web-based training on the application of Decision Support Systems for vulnerability assessment in coastal areas organized in the frame of the ClimaSouth project (<http://www.climasouth.eu>) and focused on the application of the DSS DESYCO for coastal risk

assessment in selected case studies in Algeria and Palestine (May-June 2017, February 2018).

Lecturer within the web-based training on GIS tools for vulnerability assessment in coastal area organized in the frame of the ClimaSouth project (<http://www.climasouth.eu>) and focused on the application of GIS-based Decision Support tools for coastal risk assessment in selected case studies in Algeria and Palestine (July-August 2016).

Lecturer within the MSc course in 'Interdisciplinary case study', Program in Environmental Sciences, University Ca' Foscari of Venice, a.y. 2015/2016. Seminar entitled 'Application of a spatially explicit risk approach for multi-hazard assessment and management in marine environment', Venice, Italy, 4 April 2016.

Instructor within the training entitled 'DESYCO Corner: interactive demonstration of the software DESYCO' within the ClimaSouth Regional Workshop on 'Methods and Tools for Vulnerability Assessment', Milan, Italy, 3-5 February 2016.

Instructor within the training carried out within the MSc course in 'Environmental impacts related to climate change' Program in Environmental Sciences, University Ca' Foscari of Venice, a.y. 2017/2018, 2016/2017, 2015/2016, 2014/2015, 2013/2014 and 2012/2013.

Instructor within the training entitled 'Risk Assessment and Decision Support Systems for Environmental Impacts related to Climate Change' within the PhD Program in Science and Management of Climate Change, University Ca' Foscari of Venice, a.y. 2017/2018, 2016/2017, 2015/2016, 2014/2015, 2013/2014 and 2012/2013.

Instructor within the training entitled 'Application of the DEcision support SYstem for COastal climate change impact assessment (DESYCO) for the development of climate risk products in the coastal zone of the north Adriatic Sea.' within the Second CLIM-RUN School: Building two-way communication: A week of Climate Services, Trieste, Italy, 5 December 2013.

Assistant supervisor of 5 Master Thesis at the Department of Environmental Sciences, Ca' Foscari University Venice, Italy [master students Giulia Donadello (a.y. 2016/2017) Silvia Doglioni (a.y. 2016/2017), Petra Dalla Pozza (a.y. 2017/2018), MariaKatherina Dal Barco (a.y. 2018/2019 –ongoing) and Christian Simeoni. (a.y. 2018/2019 –ongoing).

ANNEXES

Annex 1: List of publications

ANNEX 1

LIST OF PUBLICATIONS

Peer reviewed journals:

Furlan E., Torresan S., Critto E., Lovato T., Solidoro C., Lazzari P., Marcomini A. Cumulative Impact Index for the Adriatic Sea: accounting for interactions among climate and anthropogenic pressures. Volume 670, 20 June 2019, Pages 379-397. <https://doi.org/10.1016/j.scitotenv.2019.03.021>

Mysiak J. Torresan S., Bosello F., Mistry M., Amadio M., Marzi S., **Furlan E.**, Sperotto A., 2018. Climate risk index for Italy. Phil. Trans. R. Soc. A 20170305. <http://dx.doi.org/10.1098/rsta.2017.0305>

Furlan E., Torresan S., Ronco P., Critto A., Breil M., Kontogianni A., Garmendia M., Pascual M., Sauzade D., Skourtos M., Marcomini A., 2018. Tools and methods to support adaptive policy making in marine areas: review and implementation of the Adaptive Marine Policy Toolbox. *Ocean & Coastal Management Volume 151*, 1 January 2018, Pages 25-35. <https://doi.org/10.1016/j.ocecoaman.2017.10.029>

Furlan E., Torresan S., Critto E., Marcomini A., 2018. Spatially explicit risk approach for multi-hazard assessment and management in marine environment: the case study of the Adriatic sea. *Science of the Total Environment, Volume 618*, 15 March 2018, Pages 1008-1023. <https://doi.org/10.1016/j.scitotenv.2017.09.076>

Garmendia M., Sauzade D., Beaumont N., Boteler B., Pascual, M., Boudine T., Breil M., **Furlan E.**, Kontogianni A., Krüger I., Le Tellier J., Gileva E., March D., Roeleveld G., Ronco P., Shivarov A., Skourtos M., Markandya A., 2017. The Adaptive Marine Policy (AMP) toolbox: supporting policy-makers developing adaptive policies in the Mediterranean and Black Sea. *Marine Policy Volume 84*, October 2017, Pages 99-109. <https://doi.org/10.1016/j.marpol.2017.07.009>

Torresan S., **Furlan E.**, Critto A., Michetti M., Marcomini A., 2017. Egypt's coastal vulnerability to sea level rise and storm surge, in: E., O. (Ed.), 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation, MEDCOAST 2017. Mediterranean Coastal Foundation, p. 675-686, [DOI: ISBN: 978-605856528-9](https://doi.org/10.1016/j.marpol.2017.07.009).

Torresan S., Critto A., Rizzi J., Zabeo A., **Furlan E.**, Marcomini A., 2016. DESYCO: a decision support system for the regional risk assessment of climate change impacts in coastal zones. *Ocean & Coastal Management Volume 120*, February 2016, Pages 49-63. <https://doi.org/10.1016/j.ocecoaman.2015.11.003>

Biotto G., Silvestri S., Gobbo L., **Furlan E.**, Valenti S., Rosselli R., 2009. GIS, multi-criteria and multi-factor spatial analysis for the probability assessment of the existence of illegal landfills. *International Journal of Geographical Information Science 23 (10)*. Taylor & Francis: 1233-44. <https://doi.org/10.1080/13658810802112128>

Papers under review:

Torresan S., **Furlan E.**, Critto A., Michetti M., Marcomini A. Egypt's coastal vulnerability to sea level rise and storm surge: present and future conditions. *Under review, Ocean & Coastal Management*.

Papers in preparation:

Furlan E., Slanzi D., Torresan S., Critto E., Marcomini A. Multi-scenario analysis in the Adriatic Sea: a GIS-based Bayesian Network to support maritime spatial planning. *In preparation*.

Furlan E., Dalla Pozza P., Torresan S., Critto A., Michetti M., Marcomini A. Development of a combined environmental and socio-economic coastal vulnerability index: assessing vulnerability to inundation scenarios in the Italian coast. *In preparation*.

Derepasko D., **Furlan E.**, Torresan S., Critto A. Ecosystem services at risk from coastal inundation under sea-level rise scenarios: a spatially resolved approach supporting climate change adaptation in Italy. *In preparation*.

Zennaro F., **Furlan E.**, Torresan S., Simeoni C., Critto A., Marcomini A. Machine learning methods for climate change risk assessment and adaptation planning: a comparative review. *In preparation*.

Proceedings of National and International conferences

Furlan E., Dalla Pozza P., Torresan S., Critto A., Michetti M., Marcomini A. Assessing vulnerability to inundation scenarios in the Italian coast: a national assessment supporting disasters management and adaptation planning. Submitted to the 14th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management & Conservation, 22 - 26 October 2019, Marmaris – Turkey.

Furlan E., Torresan S., Dalla Pozza P., Derepasko D., Critto A., Michetti M., Amadio M., Mysiak J., Marcomini A. Assessing sea level rise risks in changing coastal environments: a national assessment supporting disasters management and climate change adaptation. Accepted as oral presentation at the European Climate Change Adaptation Conference - Working together to prepare for change – Portugal, Lisbon, 28–31 May 2019.

Torresan S., **Furlan E.**, Dalla Pozza P., Critto A., Michetti M., Marcomini A. Evaluating risks related to climate change and land use scenarios in the Italian coast: an integrated index supporting climate change adaptation. Submitted to the European Geosciences Union General Assembly 2019 Vienna (EGU) –Austria-, 7 April – 12 April 2019.

Torresan S., **Furlan E.**, Dalla Pozza P., Derepasko D., Critto A., Michetti M., Amadio M., Mysiak J., Marcomini A. Evaluation of coastal

vulnerability under changing climate and land use scenarios: a national assessment supporting integrated coastal zone management and climate adaptation. Accepted as poster presentation at the 6^o Annual Conference of the Italian Society for Climate Sciences (SISC) on 'Recent trends in climate sciences, adaptation and mitigation', 17-19 October 2018, Venice, Italy.

Torresan S., **Furlan E.**, Dalla Pozza P., Derepasko D., Critto A., Michetti M., Amadio M., Mysiak J., Marcomini A. Assessing sea level rise risks in changing coastal environments: a national assessment supporting disasters management and climate change adaptation. Proceedings of the International Conference on 'Natural Hazards and Risks in a Changing World', University di Potsdam, 4-5 October 2018, Potsdam, Germany.

Torresan S., **Furlan E.**, Dalla Pozza P., Derepasko D., Critto A., Michetti M., Amadio M., Mysiak J., Marcomini M. Assessing the impact of climate change in Italian coastal areas: tools and methods of risk and vulnerability assessment. Oral presentation at the first National Workshop on 'Climate change and Sea level rise in the Mediterranean Sea', 5-6 July 2018, Rome, Italy.

Torresan S., **Furlan E.**, Critto A., Michetti M., Marcomini A. Egypt's coastal vulnerability to sea level rise and storm surge. Poster presentation at the 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management & Conservation, 31 October - 4 November 2017, Mellieha, Malta.

Furlan E., Torresan S., Critto A., Slanzi D., Marcomini A. Cumulative impacts in marine areas under changing conditions: assessing climate change and adaptation scenarios. Oral presentation at the 3rd European Climate Change Adaptation Conference - Our Climate Ready Future, 5-9 June 2017, Glasgow, UK.

Furlan E., Torresan S., Critto A., Lovato D., Lazzari P., Solidoro C., Marcomini A. A GIS-based Bayesian Belief Network for the assessment of cumulative environmental and climate change impacts in the Adriatic sea. Proceedings of the Science Symposium on Climate, 19-20 November 2016, Cagliari, Italy.

Furlan E., Torresan S., Sperotto A., Critto A., Marcomini A. Vulnerability and adaptation to climate change in urban sustainable development. Bucharest .Keynote speaker at the 4^o International urban hydrogeology Workshop, Bucharest – Romania, 3-6 October 2016.

Furlan E., Torresan S., Critto E., Marcomini A. Multi-hazard assessment of natural and anthropogenic stressors in marine areas: the case study of the Adriatic sea. Proceedings of the 41st CIESM Congress, 12- 16 September 2016, Kiel, Germany.

Furlan E., Torresan S., Critto E., Marcomini A. Multi-risk assessment in the context of adaptive marine management: the case study of the Adriatic sea. Proceedings of the Conference ECSA 56 'Coastal systems in transition: From a "natural" to an "anthropogenically-modified" state', 4-7 September 2016, Bremen, Germany.

Furlan E., Torresan S., Donadello G., Critto A., Marcomini A. Setting the scene for defining adaptive policies in marine areas: application of a risk-based approach for multi-hazard assessment in the Adriatic sea. Submitted to the PERSEUS Scientific Conference: "Integrated Marine Research in the Mediterranean and the Black Sea", Bruxelles, Belgium, 7th-9th December 2015.

Furlan E., Ronco P., Torresan S., Critto A., Beaumont N., Boteler B., Boudine T., Breil M., Kontogianni A., Kruger I., Le Tellier J., Garmendia M., Gileva E., March D., Markandya A., Ojea E., Pascual M., Roeleveld G., Sauzade D., Shivarov A., Skourtos M., Marcomini A. Identification and selection of tools and methods for developing adaptive marine policies in the Mediterranean and Black Seas. Submitted to the PERSEUS Scientific Conference: "Integrated Marine Research in the Mediterranean and the Black Sea", Bruxelles, Belgium, 7th-9th December 2015.

Garmendia M., Sauzade D., Beaumont N., Boteler B., Boudine T., Breil M., **Furlan E.**, Kontogianni A., Kruger I., Le Tellier J., Gileva E., March D., Ojea E., Pascual M., Roeleveld G., Ronco P., Shivarov A., Skourtos M., Markandya A. Adaptive Marine Policy (AMP) Toolbox: Supporting policymakers developing adaptive policies to cope with Marine litter in the Mediterranean and Black Sea. Proceedings of the PERSEUS Scientific Conference: 'Integrated Marine Research in the Mediterranean and the Black Sea' 7- 9 December 2015, Bruxelles, Belgium.

Furlan E., Torresan S., Donadello G., Critto A., Marcomini A. integrated risk analysis for multi-hazard assessment in marine areas: the case study of the Adriatic sea. Submitted as poster presentation at the Science Symposium on Climate, 19/20 November 2015, Rome, Italy.

Furlan E., Torresan S., Donadello G., Critto A., Marcomini A. Application of a spatially explicit risk approach for multi-hazard assessment and management in marine environment. Proceedings of the ECSA 55 Conference 'Unbounded boundaries and shifting baselines: Estuaries and coastal seas in a rapidly changing world', 6-9 September 2015, London, UK.

Torresan S., Sperotto A., **Furlan E.**, Gallina V., Critto A., Rizzzi J., Zabeo A., Marcomini A.. DESYCO: a decision support tool to improve risk-based adaptation planning in coastal zones. Accepted as poster presentation at the European Climate Change Adaptation Conference (ECCA), Copenhagen, Denmark, 12-14 May 2015.

Furlan E., Ronco P., Torresan S., Marcomini A., Garmendia M., Markandia A., Breil M., Boteler B., Roeleveld G.. Selection of tools and methods supporting adaptive policy making in marine areas. Proceedings of the second PERSEUS scientific workshop, Marrakech –Morocco, 1-4 December 2014.

Torresan S., Sperotto A., Gallina V., **Furlan E.**, Critto A., Marcomini A.. Developing climate risk and adaptation services in coastal zones: an integrated bottom-up approach applied in the North Adriatic coast. Proceedings of the Second Annual Conference of the Italian Society for Climate Sciences on "Climate Change: Scenarios, Impacts and Policy", Venice –Italy-, 29-30 September 2014.

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