

# Silvia Torresan

## EUROPEAN CURRICULUM VITAE FORMAT



### PERSONAL INFORMATION

Name	<b>Silvia Torresan</b>
Address	Via A. Paganino 49 – 30126 Lido di Venezia, Venezia (Italy)
Telephone	+0039(0)412348913
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E-mail	silvia.torresan@cmcc.it ; torresan@unive.it
Nationality	Italian
Date of birth	9 December 1980

### WORK EXPERIENCE

- Dates (from – to) Since April 2007 (ongoing)
- Name and address of employer Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC),  
Via Augusto Imperatore, 16 - 73100 Lecce  
Tel: +39 0832 288.650.201 Fax: +39 0832 277.603  
  
Department of Environmental Sciences, Informatics & Statistics University Ca' Foscari of Venice,  
Calle Larga S. Marta 2137 - 30123 Venezia (Italy).  
Tel: +39 0412348913 Fax: +390412348584  
  
Consorzio Venezia Ricerche (CVR).  
Via della Libertà, 12 – 30175 Marghera - Venezia  
Tel: +39 0415093019 Fax: +39 0415093074
- Type of business or sector Research fellow in climate change risk and vulnerability assessment associated with the development of:
  - indicators and indexes for the assessment of climate change impacts, vulnerabilities and risks, taking into account multiple natural and human systems in an ecosystem perspective (e.g. coastal aquifers, surface waters, river basins, estuaries, marine and terrestrial biodiversity);
  - GIS-based Regional Risk Assessment Methodologies (RRA) for the identification and ranking of targets and areas at risk from climate change at the regional scale;
  - 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 measures.
  - user-oriented indicators and indexes to transfer information about climate change impacts and risks to different stakeholders (e.g. policy-makers, decision-makers, citizens and business sectors etc.).
- Occupation or position held Researcher and Affiliate researcher

• Main activities and responsibilities

Actively involved in international and national projects, collaborating in the development of project proposals; supporting the coordination of multidisciplinary research tasks and research groups; experience in project management; scientific reporting and dissemination. From November 2011, she is Division Manager for the CMCC Division Impact on Soil and Coast (ISC).

List of relevant projects:

CMCC-FISR project (2005-2010) - aimed at the creation of the Euro Mediterranean Centre for Climate change (CMCC). Activities were aimed at the development of the GIS-based DEcisio support System for COastal climate change impact assessment (DESYCO), allowing the identification and prioritization of targets and areas at risk from climate change at the regional scale. It was applied to the North Adriatic Sea in order to investigate sea level rise inundation, coastal erosion, storm surge flooding and water quality variations impacts.

CANTICO (Climate and local anthropogenic drivers and impacts for the Tunisian Coastal Area, ERANET, 2008-2010) - aimed at analyze the complex interaction of climate and anthropogenic impacts on vulnerable Mediterranean coastal areas. The Regional Risk Assessment (RRA) approach was applied to the Gulf of Gabes area (Tunisia) for the assessment and prioritization of impacts and risks due to climate change.

TRUST (tools for regional scale assessment of groundwater storage improvement in adaptation to climate change, Life+, 2009-2011) had as primary goal the adaptation of groundwater of the Veneto and Friuli Plain to the adverse impacts of future climate change. Specifically, the project intended to incorporate climate change in river basin management and identify adaptation measures based on regional risk assessment results.

SALT (sustainable management of the Esino river basin to prevent saline intrusion in the coastal aquifer in consideration of climate change, Life+, 2009-2011) had the overall objective of contributing to the efficient use and protection from saltwater intrusion of groundwater resources in the lower Esino river valley (Marche, Italy). A RRA procedure considering the assessment of actual and future climatic scenarios and supporting the selection of different management options on the quality and quantity of the aquifer.

CLIMDAT (2010-2013) is a national project funded by the Italian Institute for Environmental Protection and Research (ISPRA), aimed at improve the understanding of the impacts caused by climatic changes in the coastal area of the North Adriatic Sea, using current and historical data owned by ISPRA (e.g. sea levels, wave heights). Within CLIMDAT the regional risk assessment methodology will be used to construct climate change scenarios (e.g. storm surge flooding maps) in the North Adriatic area.

PEGASO (People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast, FP7, 2010-2013) the main objective is to build 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. DESYCO is proposed as a tool for the North Adriatic case to Investigate climate change impacts considering ICZM requirements.

CLIM-RUN (Climate Local Information in the Mediterranean region: Responding to User Needs, 7FP, 2011-2013) 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.). Regional risk assessment, DESYCO, vulnerability and risk Indicators will be applied considering stakeholder needs.

KULTURisk (Knowledge-based approach to develop a cULTure of Risk prevention, FP7, 2011-2013), a collaborative project of the European Union. Project founded under VII Framework Programme. A regional risk assessment methodology will be developd for water related hazards.

PERSEUS (FP7) – Policy-oriented marine Environmental Research in the Southern EUropean Seas (CMCC), collaborative FP7 project of the European Union. Environmental risk scenarios will be produced to identify marine targets and areas at risk of not achieving the Good Environmental Status (GES) in 2020.

EPSEI (FP7) – Evaluating Policies for Sustainable Energy Investments: Towards an Integrated Approach on National and International Stage. Funded by Marie Curie Actions - International Research Staff Exchange Scheme, FP7 - People.

ORIENTGATE - A structured network for integration of climate knowledge into policy and territorial planning. Funded by South East Europe Transnational Cooperation Programme. DESYCO will be applied in a Italian pilot case study (Puglia region).

- Dates (from – to) from March 2005 to July 2005
  - Name and address of employer Department of Environmental Sciences - University Ca' Foscari of Venice  
Calle Larga, S. Marta 2137 - 30123, Venice
  - Type of business or sector Ecological Risk Assessment (ERA)
  - Occupation or position held Junior researcher
  - Main activities and responsibilities Collaboration to the standard guidelines and the manual "ECOLOGICAL RISK ASSESSMENT FOR CONTAMINATED SITES" based on the TRIAD approach (i.e. integration of chemical, ecological and ecotoxicological lines of evidence), for the Italian Environmental Protection Agency (APAT). Review of Environmental Quality Indicators and Indexes for transitional environments. Project funded by CORILA, 2000-2005.
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- Dates (from – to) from October 2004 to February 2005
  - Name and address of employer Interdepartmental Centre IDEAS - University Ca' Foscari of Venice  
San Giobbe 873 – 30121, Venice
  - Type of business or sector Ecological Risk Assessment (ERA)
  - Occupation or position held Junior researcher
  - Main activities and responsibilities Collaboration in the ERA-MANIA project: "Ecological Risk Assessment: development of a Methodology and Application to sites of National Interest; the case of ACNA di Cengio", in the activities related to the development of a Decision Support System (DSS) for the TRIAD-based site-specific ERA.

## EDUCATION AND TRAINING

- Dates (from – to) from January 2008 to March 2012
  - Name and type of organization providing education and training Ca' Foscari University of Venice – Euro-Mediterranean Centre for Climate Change  
Department of Economics, Cannaregio 873, 30121 Venice (Italy)
  - Principal subjects/occupational skills covered Climate change and natural resources management, Climate Change and International Policies, Modelling impacts of climate change and adaptation strategies, Analysis of Vulnerability, Risk and Impacts of Climate Change.
  - Title of qualification awarded PhD in Science and Management of Climate Change – 23°
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- Dates (from – to) from September 2003 to April 2007
  - Name and type of organization providing education and training Ca' Foscari University of Venice  
Calle Larga S. Marta, 2137 – 30123 Venice (Italy)
  - Principal subjects/occupational skills covered Ecological and Human Health Risk assessment, Environmental Impact Assessment, Life Cycle Assessment (LCA), Environmental modelling, Ecotoxicology, Climatology, GIS.  
Thesis: "*Climate change vulnerability assessment of coastal areas at the regional scale*".  
Supervisor: Prof. A. Marcomini.
  - Title of qualification awarded Master of Science in Environmental Sciences (110/110)
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- Dates (from – to) from September 1999 to July 2003
  - Name and type of organization providing education and training Ca' Foscari University of Venice  
Calle Larga S. Marta, 2137 – 30123 Venice (Italy)
  - Principal subjects/occupational skills covered Environmental Chemistry, Biology, Ecology, Environmental Risk Assessment, Mathematics, Physics, Statistics.  
Thesis: "*Definition of Soil Screening Values for Ecological Risk Assessment of contaminated sites*". Supervisor: Prof. A. Marcomini.
  - Title of qualification awarded Bachelor's Degree in Environmental Sciences (107/110)
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- Dates (from – to) from September 1994 to July 1999
  - Name and type of organization providing education and training Scientific High School (Liceo) "G.B. Benedetti"  
Venezia (Italy)
  - Principal subjects/occupational skills covered Mathematics, Physics, Biology, Chemistry, Natural Sciences, Philosophy, History, Latin
  - Title of qualification awarded Diploma

**PERSONAL SKILLS AND  
COMPETENCES**

MOTHER TONGUE	<b>Italian</b>
OTHER LANGUAGES	<b>English</b> Excellent Very Good Very Good
TECHNICAL SKILLS	Ability to use Windows XP and Mac OS X; Microsoft Office Programs (Word, Excel, Power Point), Apple Programs (i-work, i-life), Internet Explorer, Safari, Mozilla Firefox,; Desktop mapping-Geographic Information System (ArcInfo, ArcGis), Fortran, Risk Assessment models (RBCA - Risk-based Corrective Action), Life Cycle Assessment models (Sima_Pro), Vulnerability Assessment tools (Dynamic and Interactive Vulnerability Assessment, DIVA), DEcision support SYstem for COastal climate change impact assessment (DESYCO).
HOBBIES	Spin bike, Jogging, Tennis, Reading
DRIVING LICENCE(S)	Category B

**Conferences and Workshops**

15-16 November 2012, EGU Leonardo Conference 2012, Hydrology and Society Connections between Hydrology and: Population dynamics, Policy making and Power Generation, Torino (Italy).

29 June 2012: Attendance and oral presentation at the panel Workshop “Climate change, Integrated Coastal Zone Management and DSS: the importance of stakeholders involvement” for the EU FP7 project PEGASO, Venice (Italy).

22 September 2011: Attendance and oral presentation at the Final meeting of the project TRUST In Life+, Uno Strumento Di Gestione - Water Banking E Cambiamenti Climatici Final Workshop, Venice (Italy).

11 September 2011: Attendance and oral presentation at the Workshop with local stakeholders for the European FP7 project CLIM-RUN, Venice (Italy).

8-9 June 2011: Attendance and oral presentation at the Expert meeting on Methods and tools for assessing coastal vulnerability to climate change at the European scale EEA, Copenhagen.

7-8 October 2010: Attendance at the International Workshop on Resilience – Harnessing Science for Better Disaster Management, Venice (Italy).

29 September – 1 October 2010: Attendance and oral presentation at the conference Deltas in times of Climate Changes. Authors and title of the presentation: Torresan S., Critto A., Rizzi J., Zabeo Alex, Gallina V., Giove S., Marcomini A., “Risk-based assessment of climate change impacts on coastal zones: the case study of the North Adriatic Sea”, Rotterdam (The Netherlands).

9-11 June 2010: Attendance and oral presentation at the CMCC Annual meeting. Authors and title of the presentation: Torresan S., Rizzi J., Critto A., Gallina V., Rianna F., Zabeo A., Giove S., Santoro F., Marcomini A. “Introduction to the risk-based DEcision support System for COastal climate change impact assessment (DESYCO)”, Marina di Ugento (Italy).

13 May 2010: Attendance at the Workshop “Climate changes and groundwater in the upper veneto and friuli plains”, LIFE+ TRUST project, Treviso (Italy).

12-14 April 2010: Attendance at the PEGASO Kick-off meeting Auditorium Santa Margherita, and Ca' Foscari building, Venice (Italy).

23 October 2009: Attendance and oral presentation at the seminar and round table of the REGIOCLIMA project. Authors and title of the presentation: Torresan S., Critto A., Santoro F. and Marcomini A., “Regional Risk Assessment and adaptation measures in coastal zones”, Venice (Italy).

26 February 2009: Attendance at the TRUST Kick-off Meeting, “Tool for Regional assessment of GroUndwater Storage improvement in adaptation to climaTe change”, Venice (Italy).

12-13 January 2009: Attendance and oral presentation at the CANTICO Kick-off meeting, Authors and title of the presentation: Torresan S., Critto A., Santoro F. and Marcomini A., “Regional Risk Assessment to support climate and anthropogenic impact assessment in Mediterreanean coastal areas”, Venice (Italy).

25-28 Novembre 2008: Attendance and oral presentation at the 9th international conference LITTORAL 2008 “A Changing Coast: Challenge For The Environmental Policies”, Venice (Italy).

3 March 2008: Organization and oral presentation at the workshop ““Decision Support Systems within the CMCC projects”, Ca' Foscari University, Venice (Italy).

13-17 November 2007. Attendance and oral presentation at the Eighth International Conference on the Mediterranean Coastal Environment (MEDCOAST), Alexandria (Egypt).

6-9 November 2007. Attendance and poster presentation at the 11st Italian National Conference ASITA, Torino (Italy).

19 May 2007: Attendance at the International Conference “Climate Change in the 21st century”, organized by the International Academy of Environmental Sciences (IEAS), Venice (Italy).

## **ADDITIONAL INFORMATION**

### **Teaching and tutoring**

Lecturer and instructor at the First CLIM-RUN Workshop on Climate Services held in Trieste, 15-19 October 2012.

Lecturer and instructor at the course "Risk Assessment and Decision Support Systems for Environmental Impacts related to Climate Change" held by Dr. Andrea Critto at the PhD program in Science and Management of Climate Change (University Ca' Foscari, Venice), a.y. 2011-2012.

Lecturer within the course "Valutazione del rischio ambientale: dalla scala sito-specifica alla scala regionale dai siti contaminati ai bacini fluviali", held by Venice Research Consortium (CVR), 29-30 Giugno 2010.

Lecturer within the course "Assessment and management of environmental sustainability" held by Prof. A. Marcomini (University Ca' Foscari, Venice), a.y. 2008/2009 and 2009-2010.

Lecturer within the course "Methodologies for Environmental Risk Assessment and Management" held by Dr. A. Critto (University Ca' Foscari of Venice), a.y. 2006/2007 and 2007/2008.

Co-Tutor of 4 Master Thesis and 4 Bachelor Thesis at the Department of Environmental Sciences, Ca' Foscari University of Venice, Italy.

## **ANNEXES**

### **ANNEX 1: LIST OF PUBLICATIONS**

## ANNEX 1

### List of publications

#### Peer Reviewed Journals:

Santoro F., Tonino M., **Torresan S.**, Critto A. and Marcomini A., Involve to improve: a participatory approach for a Decision Support System for coastal climate change impact assessment. The North Adriatic case. *Submitted to Ocean & coastal management*.

Baruffi F., Cisotto A., Cimolino A., Ferri M., Monego M., Norbiato D., Cappelletto M., Bisaglia M., Pretner A., Galli A., Scarinci A., Marsala V., Panelli C., Gualdi S., Bucchignani E., **Torresan S.**, Pasini S., Critto A., Marcomini A., 2012. Climate change impact assessment in Veneto and Friuli plain groundwater. Part I: an integrate modeling approach for hazard scenario construction. *Sci Total Environ*, 440: 154–166.

Pasini S., **Torresan S.**, Rizzi J., Zabeo A., Critto A., Marcomini A., 2012. Climate change impact assessment in Veneto and Friuli Plain groundwater. Part II: A spatially resolved regional risk assessment, *Sci Total Environ*, 440: 219-235.

**Torresan S.**, Critto A., Rizzi J., Marcomini A., 2012. Assessment of coastal vulnerability to climate change hazards at the regional scale: the case study of the North Adriatic sea. *Natural Hazards and Earth System Sciences* 12: 2347–2368.

**Torresan S.**, Critto A., Dalla Valle M., Harvey N., Marcomini, 2008. Assessing coastal vulnerability to climate change: comparing segmentation at global and regional scales. *Sustainability Science*, 3: 45-65.

Critto A., **Torresan S.**, Semenzin E., Giove S., Mesman M., Schouten AJ., Rutgers M., Marcomini A., 2007. Development of a site-specific Ecologic al Risk Assessment for contaminated sites: Part I. A multi-criteria based system for the selection of ecotoxicological tests and ecological observations. *Science of The Total Environment*. 379, 16-33.

#### National Journals:

Carniel S., Sclavo M., Bergamasco A., Marcomini A. and **Torresan S.**, 2011. Towards assessing the Adriatic sea coastal vulnerability to regional climate change scenarios: preliminary results. *Marine Research at CNR*, 3: 1219-1224.

#### Manuscripts under submission

Iyalomhe F., Rizzi J, Pasini S., **Torresan S.**, Critto A., Marcomini A., Regional risk assessment of climate change impacts on coastal aquifers in the lower Esino river valley, Marche region, Italy.

Rizzi J., Gallina V., **Torresan S.**, Critto A., Marcomini A., A Regional Risk Assessment addressing the impacts of climate change in the coastal area of the Gulf of Gabes.

#### Books/Book chapters.

Iyalomhe F., Rizzi J., **Torresan S.**, Gallina V., Critto A., Marcomini A., 2012. Inventory of GIS-Based Decision Support Systems Addressing Climate Change Impacts on Coastal Waters and Related Inland Watersheds. In Yosuke Y, 2012. *Climate Change / Book 2*. Intech. Chapter XX. ISBN 980-953-307-489-9.

Agostini P., **Torresan S.**, Micheletti C., Critto A., 2009. Review of Decision Support Systems devoted to the management of inland and coastal waters in the European Union. In: Marcomini A., Suter G.W. II, Critto A. (Eds). *Decision Support Systems for Risk Based Management of Contaminated Sites*. New York, *Springer Verlag*, pp 311- 329.

#### Extended abstracts of National and International conferences

Rizzi J., **Torresan S.**, Zabeo A., Gallina V., Critto A., Marcomini A., 2012. A GIS-based Decision Support System to support the implementation of Integrated Coastal Zone Management – preliminary results from the PEGASO project. In: Gensel J., Josselin D. and Vandenbroucke D. (Eds), *Multidisciplinary Research on Geographical Information in Europe and Beyond*. Proceedings of the AGILE '2012 International Conference on Geographic Information Science, Avignon, April, 24-27, 2012 ISBN: 978-90-816960-0-5, 302-306.

**Torresan S.**, Critto A., Rizzi J., Zabeo Alex, Gallina V., Giove S., Marcomini A., “Risk-based assessment of climate change impacts on coastal zones: the case study of the North Adriatic Sea”. Invited paper at the conference Deltas in time of Climate Changes 2010, Rotterdam, 29 September – 1 October 2010, 8 pp.

Rizzi J., **Torresan S.**, Critto A., Zabeo A., Giove S., Marcomini A., 2010. “DESYCO: un Sistema di Supporto alle Decisioni per la valutazione degli impatti legati ai cambiamenti climatici nelle aree costiere”, Atti 14a Conferenza Nazionale ASITA, 9 – 12 novembre 2010, Fiera di Brescia, 6 pp.

**Torresan S.**, Zabeo A., Rizzi J., Critto A., Pizzol L., Giove S., Marcomini A., 2010. "Risk assessment and decision support tools for the integrated evaluation of climate change impacts on coastal zones". International Environmental Modelling and Software Society (IEMSS), International Congress on Environmental Modelling and Software Modelling for Environment's Sake, Fifth Biennial Meeting, Ottawa, Canada David A. Swayne, Wanhong Yang, A. A. Voinov, A. Rizzoli, T. Filatova (Eds.) <http://www.iemss.org/iemss2010/index.php?n=Main.Proceedings>.

Zabeo A., Semenzin E., **Torresan S.**, Gottardo S., Pizzol L., Rizzi J., Giove S., Critto A., Marcomini A., 2010. "Fuzzy logic based IEDSSs for environmental risk assessment and management". International Environmental Modelling and Software Society (IEMSS), International Congress on Environmental Modelling and Software Modelling for Environment's Sake, Fifth Biennial Meeting, Ottawa, Canada David A. Swayne, Wanhong Yang, A. A. Voinov, A. Rizzoli, T. Filatova (Eds.) <http://www.iemss.org/iemss2010/index.php?n=Main.Proceedings>.

Rizzi J., **Torresan S.**, Alberghi E., Critto A., Marcomini A., 2010. "Climate change regional vulnerability assessment to support integrated coastal risk management". In the proceedings of the Gi4DM conference, Turin, 2-4 February 2010, 4 pp.

**Torresan S.**, Critto A., Tonino M., Alberghi E., Pizzol L., Santoro F. and Marcomini A., 2009. "Climate change risk assessment for coastal management." In Özhan, E. (Editor), Proceedings of the Ninth International Conference on the Mediterranean Coastal Environment, 10-14 November 2009, Sochi, Russia, MEDCOAST, Middle East Technical University, Ankara, Turkey 91-102.

**Torresan S.**, Critto A., Dalla Valle M., Harvey N. and Marcomini A., 2007. "A regional risk assessment framework for climate change impacts evaluation in a coastal zone management perspective". In Özhan, E. (Editor), Proceedings of the Eighth International Conference on the Mediterranean Coastal Environment, 13-17 November 2007, Alexandria, Egypt, MEDCOAST, Middle East Technical University, Ankara, Turkey, vol 2, pp.741-752.

**Torresan S.**, Critto A., Dalla Valle M., Marcomini A., 2007. "Use of GIS technologies to assess vulnerability of coastal areas to climate change impacts". Proceedings of the 11st Italian National Conference ASITA , 6-9 November 2007, Torino, Italy, 6 pp.

#### **Abstracts of international/national scientific conferences (oral or poster presentations).**

**Torresan S.**, Gallina, Giannini V., Rizzi J., Zabeo A., Critto A., Marcomini A, DESYCO: a Decision Support System to provide climate services for coastal stakeholders dealing with climate change impacts. EGU Conference, Vienna, Austria, April 2012.

Critto A., Gallina V., **Torresan S.**, Rizzi J., Zabeo A., Carniel S., Sclavo M., Marcomini A., Coastal erosion impacts under climate change scenarios at the regional scale in the North Adriatic Sea. EGU Conference, Vienna, Austria, April 2012.

**Torresan S.**, Marcomini A. Decision support System for Coastal climate change impact assessment – DESYCO, Expert meeting Methods and tools for assessing coastal vulnerability to climate change at the European scale EEA, Copenhagen, 8-9 June 2011

Critto A., **Torresan S.**, Rizzi J., Marcomini A., 2011. Regional Risk Model and Decision Support System: further developments within the GEMINA project. CMCC annual meeting, Otranto, Italy, June 2011.

Rizzi J, **Torresan S.**, Critto A., Marcomini A., 2011. DSS for Regional Risk Assessment of climate change impacts: merging the results from CANTICO, TRUST, SALT, PEGASO and CLIM-RUN. CMCC annual meeting, Otranto, Italy, June 2011.

Rizzi J., **Torresan S.**, Gallina V., Rianna F., Lamon L., Critto A., Marcomini A., Regional Risk assessment for Sustainable Management of Climate Change Impacts in Coastal areas. CMCC annual meeting, Otranto, Italy, June 2011.

Rizzi J., **Torresan S.**, Pasini S., Iyalomhe F., Critto A., Marcomini A., 2011. Climate Change Regional Risk Assessment to Support Sustainable Groundwater Management. CMCC annual meeting, Otranto, Italy, June 2011.

Rizzi J., **Torresan S.**, Zabeo A., Gallina V., Critto A., Giove S., Marcomini A., 2011. A Geospatial Decision Support System for climate change risk assessment and management. AGILE conference, Utrecht, The Netherlands, April 2011.

Critto A., **Torresan S.**, Zabeo A., Rizzi J., Gallina V., Giove S., Marcomini A., 2011. DESYCO: a Decision Support System for the assessment of coastal flooding and erosion risk due to climate change. EGU Conference, Vienna, Austria, April 2011.

Rizzi J., **Torresan S.**, Critto A., Zabeo A., Giove S., Marcomini A., 2010. "DESYCO: un Sistema di Supporto alle Decisioni per la valutazione degli impatti legati ai cambiamenti climatici nelle aree costiere", Atti 14a Conferenza Nazionale ASITA, 9 – 12 novembre 2010, Fiera di Brescia.

**Torresan S.**, Critto A., Rizzi J., Zabeo Alex, Gallina V., Giove S., Marcomini A., "Risk-based assessment of climate change impacts on coastal zones: the case study of the North Adriatic Sea". Invited paper at the conference Deltas in time of Climate Changes 2010, Rotterdam, 29



September – 1 October 2010.

**Torresan S.**, Rizzi J., Alberighi E., Critto A. and Marcomini A., 2010. Climate change regional vulnerability assessment to support integrated coastal risk management. Accepted as an oral presentation to Gi4DM 2010 Conference, Geomatics for crisis management, 2-4 February 2010, Torino, Italy.

**Torresan S.**, Pizzol L., Zabeo A., Rizzi J., Giove S., Critto A., Marcomini A., Risk assessment and decision support tools for the integrated evaluation of climate change impacts on coastal zones. Submitted to IEMSS2010, Ottawa, Canada July 5-8 2010.

Zabeo A., Semenzin E., Gottardo S., **Torresan S.**, Pizzol L., Rizzi J., Giove S., Critto A., Marcomini A., Intelligent Environmental Decision Support Systems. Submitted to IEMSS2010, Ottawa, Canada July 5-8 2010.

**Torresan S.**, Critto A., Alberighi E., Pizzol L., Santoro F., and Marcomini, Climate change Regional Risk Assessment to support integrated coastal management. Submitted for an oral presentation at the Ninth International Conference on the Mediterranean Coastal Environment, MEDCOAST 2009, Sochi, Russia.

**Torresan S.**, Critto A., Santoro F., and Marcomini A., Climate change adaptation in coastal zones: improving decision-making to support management strategies. Accepted for a poster presentation at the International Scientific Conference on Climate Change, 10-12 March 2009, Copenhagen, Denmark.

**Torresan S.**, Critto A., Dalla Valle M., Marcomini A., "Integrated assessment of impacts and risks posed by climate change on coastal zones: a Decision Support System (DSS) for the management at the regional scale". Accepted for a poster presentation at the Workshop "Effects of climate change on the Po river basin", Parma, Italy.

Critto A., **Torresan S.**, Alberighi E., Harvey N. and Marcomini A., Climate changes in the coastal zone: a regional perspective to risk assessment and management. Accepted for an oral presentation at the conference "Coast to Coast", 18-22 August 2008, Darwin, Australia.

**Torresan S.**, Critto A., Alberighi E., Harvey N. and Marcomini A., Assessing coastal vulnerability to climate change: a regional perspective to support adaptation strategies. Accepted for an oral presentation at the conference "Littoral 2008", 25-28 November 2008, Venice, Italy.

Critto A., **Torresan S.**, Dalla Valle M., Marcomini A. "Development of a Decision Support System (DSS) for the assessment and integrated management of climate change impacts and risks on coastal zones at the regional scale: objectives and framework". Accepted for an oral presentation at the conference "Italian research on Climate Change: Scenarios, Impacts and Policies", 30-31 May - 1 June 2007, Gallipoli, Italy.