## EUROPEAN CURRICULUM VITAE FORMAT



#### **PERSONAL INFORMATION**

Name (MR) CRITTO Andrea

Address VIA CIMABUE 1, 30172, Venice, Italy

Telephone +39-0412348975

Fax +39-0412348584

E-mail critto@unive.it

Nationality

Date of birth

Italian

05 November 1971

#### **WORK EXPERIENCE**

Dates (from – to)

From October 2015

· Name and address of employer

Dept. of Environmental Sciences Informatics and Statistics –University Ca' Foscari Venice Via delle Industrie 21/8, c/o INCA - VEGAPARK, - 30175, Venice

Tel. +39-0412348975

Occupation or position held

Associate Professor

• Dates (from – to)

From September 2010 to September 2015

Name and address of employer

Dept. of Environmental Sciences Informatics and Statistics –University Ca' Foscari Venice

Calle Larga, S. Marta 2137 - 30123, Venice Tel. +39-0412348690 Fax. +39-0412348584

Occupation or position held

Assistant Professor

• Dates (from – to)

From January 2001

Name and address of employer

Euro-Mediterranean Centre for Climate Change (CMCC) Via Augusto Imperatore, 16 - 73100 Lecce

Tel: +39 0832 288.650.201 Fax: +39 0832 277.603

Consorzio Venezia Ricerche

Via della Libertà, 12 - 30175 Marghera – Venezia

Tel. 041 5093019 Fax. +39-041 5093074

Interdepartmental Centre for dynamic interactions between economy, environment and society

(IDEAS) –University Ca' Foscari Venice

San Giobbe 873 - 30121, Venice

Tel +39-0412349241

Occupation or position held

Senior researcher

• Dates (from – to)

From January 2001 to August 2010

· Name and address of employer

Department of Environmental Sciences –University Ca' Foscari Venice

Calle Larga, S. Marta 2137 - 30123, Venice

Tel. +39-0412348690 Fax. +39-0412348584

Occupation or position held

Associated researcher and Lecturer

• Type of business or sector

Research activity on Environmental Risk Assessment and Management associated with:

- development of Decision Support Systems for the integration of environmental, technological, economical and societal issues:
- formulation of Environmental Quality Standards and planning of environmental monitoring;
- selection/comparison of remedial technologies for contaminated site.
- climate change impacts on coastal zone;
- nanotechnology.

Actively involved in international/national project proposals; principal researcher of 28 research projects with a budget > 400000 €; coordinating multidisciplinary research groups of typically 5-10 people; responsible of both interim and final project scientific reporting, including scientific communications at international conference and preparation of scientific papers published in refereed international journals.

The research activity is accompanied by lecturing activity including the delivery of: a 3-credits graduated course in Environmental Risk Assessment and Management (2002-2008); the delivery of a distance and online teaching 1.5-credits postgraduate course (i.e. EDUCOM@Med Master) in Decision Support Systems for Coastal Management (2005, in English); a 6-credits course in Risk assessment and decision support systems for environmental impacts related to climate change for Ph.D. students in Science and management of climate change (from 2012, in English); a 6-credits graduated course in Environmental Impacts related to Climate Change (from 2013, in English).

Member of Teaching Board of the Academic Master REACH (Registration, Evaluation, authorization of Chemicals) and of the Ph.D School in Science and management of climate change, University Ca' Foscari Venice. Member of the Research Committee of the Dept. of Environmental Sciences Informatics and Statistics, University Ca' Foscari Venice. Delegate for the internationalization of research activities for the Dept. of Environmental Sciences Informatics and Statistics, University Ca' Foscari Venice. Participation to the coordination committee, promoted by the Vice Rector for the International Relations, University Ca' Foscari Venice.

#### Mentioned projects

- Scientific supervisor of the Marie Curie IEF project "NEXUS Network-based Expert-Stakeholder Framework for Sustainable Remediation", EC FP7 (Grant agreement no: 627593), 2014-2015.
- PERSEUS: Policy-oriented marine Environmental Research in the Southern EUropean Seas, funded by the European 7th Framework Program. The project aims to identify the interacting patterns of natural and human-derived pressures on the Mediterranean and Black Seas, assess their impact on marine ecosystems and, using the objectives and principles of the Marine Strategy Framework Directive as a vehicle, to design an effective and innovative research governance framework based on sound scientific knowledge.
- MARINA: Managing Risks of Nanoparticles, funded by the European 7th Framework Program.
   The project aims to develop specific reference methods for all the main steps in managing the potential risk of ENM.
- 4FUN: The FUture of FUlly integrated human exposure assessment of chemicals: Ensuring the long-term viability and technology transfer of the EU-Funded 2-FUN tools as standardised solution, funded by the European 7th Framework Program.
- ORIENGATE: A structured network for integration of climate knowledge into policy and territorial planning, funded by the South East Europe Transnational Cooperation Programme.
- Consultancy services for the development of an inundation, flooding and landslide national risk profile, maps, strategy framework and action plans for disaster risk management for the Republic of Mauritius. Ministry of Environment and Sustainable Development, Republic of Mauritius; funded by World Bank.
- ECONANOSORB: Ecological application of nanosorbents on the base of natural and synthetic ionites and carbons, funded by the European 7th FP PEOPLE, Marie Curie IRSES. The ECONANOSORB exchange program aims at creating conditions for mutual research among similarly orientated European research institutions and overcome existing gap between research institution and wood processing industry.

Main activities and responsibilities

- ITS-NANO: Intelligent Testing Strategy for Engineered nanomaterials, funded by the European 7th Framework Program. The project aims at developing an intelligent approach to grouping ENMs based their properties and their subsequent biological impacts in order to intelligently design next-generation nanosafety evaluation and risk assessment strategies.
- TIMBRE: Tailored Improvement of Brownfield Regeneration in Europe, funded by the European 7th Framework Program. The project aims at providing a unique approach of best practise solutions (policy, technical regulations, risk assessment, remediation technologies, socio-economic analysis, decision support tools) for end-users that are involved in brownfield regeneration processes.
- CLIMRUN: 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 modeling 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.).
- KULTURISK: Knowledge-based approach to develop a cULTUre of Risk prevention, funded by the European 7th Framework Program. The project aims at developing a culture of risk prevention for water-related hazards by means of a comprehensive demonstration of the benefits of prevention measures.
- EPSEI: Evaluating Policies for Sustainable Energy Investments: towards an integrated approach on national and international stage, funded by the European 7<sup>th</sup> FP PEOPLE, Marie Curie IRSES. The EPSEI exchange program aims at improving the integration of methodologies and tools concerning the evaluation of investments for sustainable energy.
- GLOCOM: Global Partners in Contaminated Land Management, funded by the European 7<sup>th</sup>
  FP PEOPLE, Marie Curie IRSES. The project aims at increasing harmonization of methods for
  risk assessment and management of contaminated sites in China and EU.
- E-URAL: European Union and RussiA Link for S&T co-operation in the area of the
  environment, funded by the European 7th Framework Program. Supporting Action aims at
  improving in quantity and quality the participation of Russian researchers and SMEs in the
  "Environment (including climate change)" theme of the Seventh Framework Programme
  (FP7).
- PEGASO: People for Ecosystem Based Governance in Assessing Sustainable Development of Ocean and Coast, funded by the European 7th Framework Program. The core of the project is the development of an ICZM Governance Platform for the coastal zones in the Mediterranean and Black Seas.
- Climate and local ANthropogenic drivers and impacts for the Tunislan COastal area (CANTICO), funded by the the European Sixth Framework Program, ERA-NET scheme. The project aims at developing a pilot study to establish a conceptual model tool to integrate the complex interaction of climate and anthropogenic impacts on vulnerable Mediterranean coastal areas. Risks and impacts are prioritized in order to support decision makers to define sustainable Integrated Coastal Zone Management (ICZM) procedures.
- CMCC project: Euro-Mediterranean Centre for Climate Change, funded by Italian Government and including the development of a GIS based Decision Support System supporting coastal zone impact assessment and management at regional scale.
- TRUST: Tool for regional scale assessment of groundwater storage improvement in adaptation to climate change, funded by Life plus Program. The project aims at developing a Regional Risk Assessment methodology which will support the climate change impacts assessment on future water demand and aquifer recharge for the river basins in the North-East Italy.
- SALT project, funded by Life plus Program. The project aims at developing the assessment of
  actual and future climatic scenarios on saltwater intrusion of groundwater resources in the
  lower Esino river valley (Marche, Italy) and supporting the selection of different management
  options on the quality and quantity of the aquifer.
- NANOTEST project: Alternative testing strategies for the assessment of the toxicological profile of nanoparticles used in medical diagnostics, funded by the the European 7th Framework Program.

- ENPRA (Risk assessment of engineered nanoparticles) project is a major European Framework 7 project to develop and implement a novel integrated approach for engineered nanoparticle (ENP) risk assessmen.
- Spatial Decision Support System for Regional Assessment of Degraded Land, funded by the European Commission Joint Research Centre. The Spatial Decision Support System is intended to be an aid for national and regional competent authorities in the inventory and assessment of contaminated sites and mining waste sites at regional scale.
- 2-FUN project: Full-chain and Uncertainty Approaches for Assessing Health Risks in Future Environmental Scenarios, funded by the European Sixth Framework Program. The project aims at developing tools for integrated assessment of risks posed to human health by environmental factors in future realistic scenarios, taking into account the multi-stressor, multiroutes and multi-exposure context and including uncertainty integration method at each assessment step.
- DESYRE project: Decision Support System for Requalification of Contaminated Sites, funded by Italian Ministry of University & Scientific Research, and including technologies comparison and socio-economic analysis.
- ERA-MANIA project: application of Ecological Risk Assessment to develop remedial scenarios and monitoring plan for contaminated megasite in Italy, funded by Italian Ministry of Environment, and including the formulation of national guidelines for Ecological Risk Assessment for contaminated sites and the development of a Decision Support System for Site-Specific Ecological Risk Assessment of Contaminated Sites.
- MODELKEY project: Decision Support System for Assessing and Forecasting the Impact of Environmental Key Pollutants on Marine and Freshwater Ecosystems and Biodiversity, funded by the European Sixth Framework Program and involving 25 partners in the European countries.
- Particle Risk project: STREP project funded by the European Sixth Framework Program and involving 7 partners in the European countries. The project acquires a bank of Particles potentially generated by New and Emerging Science and Technology (NESTP) and assess the health risk from exposure to these materials through air or the food supply with a work programme, integrating in vitro experiments, animal models of healthy/susceptible individuals and exposure/risk assessment.
- MAP project: Ecological risk analysis and chemical pollution characterization in the Venice Lagoon, funded by Venice Water Authority, and including the definition of environmental quality standards and sustainable management processes based on Ecological Risk Assessment.
- Research project for the development of Environmental Quality Indicators and Indexes for the Lagoon of Venice, funded by Consortium for Lagoon of Venice Research (CO.RI.LA.), and including the implementation of a Decision Support System for the risk management in the Lagoon of Venice.

• Dates (from - to)

Name and address of employer

• Type of business or sector

Occupation or position held
 Main activities and responsibilities

From April 1999 to December 2000

Enrico Mattei ENI Foundation (FEEM, Venice, Italy)

Research activity on Environmental Risk Assessment and Management associated with formulation of Environmental Quality Standards and planning of environmental monitoring FEEM fellow

Development of a research project entitled "Ecological risk and chemical pollution of the Venice Lagoon". The project objective was to integrate the knowledge about the characterisation of the lagoon chemical pollution within an ecological risk assessment framework.

#### **EDUCATION AND TRAINING**

• Dates (from – to)

 Name and type of organisation providing education and training

Title of qualification awarded

• Dates (from - to)

 Name and type of organisation providing education and training

Principal subjects/occupational skills covered

Title of qualification

• Dates (from - to)

 Name and type of organisation providing education and training

Principal subjects/occupational skills covered

· Title of qualification

• Dates (from - to)

 Name and type of organisation providing education and training

Principal subjects/occupational skills covered

· Title of qualification awarded

• Dates (from - to)

 Name and type of organisation providing education and training

Principal subjects/occupational skills covered

· Title of qualification

• Dates (from – to)

 Name and type of organisation providing education and training

Principal subjects/occupational skills covered

· Title of qualification awarded

From November 2013

Ministry of Education University and Research

Italian National Qualification Certificate for the position of Associate Professor

From April 2009 to March 2011

Chinese Research Academy of Environmental Sciences (CRAES) (Beijing, China)

Risk-based management of contaminated sites in China: review and application of methodological approaches and tools.

Visiting Postdoc Fellow, awarded with a scholarship from the Science & Technology Fellowship Programme in China (STF CHINA), supported by the European Parliament to build bridges between the EU and China in the Science & Technology domain.

From May 2006 to December 2006

School of Geography and Environmental Studies, University of Adelaide (Adelaide, Australia)

Analysis of international procedure for coastal vulnerability assessment, climate change impacts assessment and integrated coastal zone management.

Visiting Postdoc Fellow

From October 2000 to February 2004

Department of Environmental Sciences, University Ca' Foscari Venice

Methodological development of Environmental Risk Assessment with special emphasis on tools (Decision Support Systems, Risk Analysis models, GIS, Geostatistic, Multicriteria Analysis, Multivariate Statistical Analysis, Model Sensitivity Analysis) for integrating environmental, technological and socio-economical issues.

PhD in Environmental Sciences

From January to April 2003

National Institute of Public Health and Environment (RIVM, The Netherlands)

Analysis of Dutch Environmental Quality Criteria Guidelines; application of probabilistic risk models for calculation of Environmental Quality Criteria.

Visiting Researcher

From academic year 1990-91 to academic year 1995-96

University Ca' Foscari Venice

Environmental Chemistry, Ecology, Ecotoxicology, Environmental Technologies, Environmental Impact Assessment, Environmental Economics, Environmental Law, Geology, Statistics, Mathematics, Physics.

Master of Science in Environmental Sciences

## PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

**ITALIAN** 

OTHER LANGUAGES

	English	Spanish	Chinese
Reading skills	Excellent (TOEFL score: 27/30)	good	basic
<ul> <li>Writing skills</li> </ul>	Good (TOEFL score: 23/30; essay rating: 4/6)	basic	
<ul> <li>Verbal skills</li> </ul>	Good (TOEFL listening score: 22/30)	basic	basic

Language certificate

TOEFL certificate (17/06/2005); total score: 240/300)

# TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

Ability to use Windows, Office, Internet browsers, Geostatistic software (Surfer, EVS, GS+, Variowin), desktop mapping-Geographic Information System (MapInfo, ESRI, Idrisi), Fortran, Statistic software (Unistat and Statistic), Risk Assessment models (API-DSS - American Petroleum Institute, Decision Support System; RBCA - Risk-based Corrective Action; Risk Assistant; ECOFATE, Food Chain; ETX-2000).

DRIVING LICENCE(S)

Category A & B

#### **ADDITIONAL INFORMATION**

Italian National Qualification Certificate for the position of Associate Professor, issued by the Ministry of Education University and Research (from November 2013)

Member of the Scientific Advisory Board of the journal "Procedia Environmental Science, Engineering and Management" (from 2014)

Active member of the Editorial Advisory Board of the Journal of Natural Resources and Development (2013)

Author/co-author of papers published in a variety of international refereed journals including Science of the Total Environment, Environmental International, Environmental Pollution, Environmental Toxicology and Chemistry, Integrated Environmental Assessment and Management and Soil & Sediment Contamination, etc. (See Annex 1).

Co-editors of the Book: Decision Support Systems for Risk Based Management of Contaminated Sites. Marcomini A, Suter GW II, Critto A (Eds). Springer Verlag, New York, pp 435, 2009.

Author/co-author of more than sixty oral/poster communications presented in international/national scientific conferences.

Foreign expert confirmed by the State Administration of Foreign Expert Affair of the People's Republic of China (from 2010 to 2012)

Member of the International Scientific Committee of the International Conference Common Understanding of Environmental Pollution: Challenges & Perspectives for EU-China Cooperation, Beijing (China), 2 September 2015.

Member of the International Scientific Committee of the International Conference Environmental Legislation, Safety Engineering and Disaster Management (ELSEDIMA), Cluj-Napoca, 18–19 September 2014.

Member of the International Scientific Committee of the Second International Sustainable Watershed Management Conference (SuWaMa 2014), Sarigerme, Turkey, 13-17 October 2014.

Member of the International Scientific Committee of the 4th International Conference on Managing Urban Land (CABERNET 2014), Frankfurt am Main, Germany, 14–16th October 2014.

Invited session's chairman at the Second Annual Conference "Climate Change: Scenarios, Impacts and Policy", 29-30 September 2014, Venice, Italy

Invited session's chairman and speaker at the 1st International Conference on Environmental Safety and Ecological Criteria (ICESEC 2013), 30 June-1 July 2013, Nanjing, China

Invited speaker at the Workshop on "Sustainable development, energy, climate change and environmental protection", Tsinghua University, 22 July 2012, Beijing, China

Invited session's chairman and speaker at the "Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA International Conference", 25-27 October 2012, Cluj-Napoca. Romania

Member of the International Scientific Committee of the Final Conference of the FP7 Project E-URAL (European Union and RussiA Link for S&T co-operation in the area of the environment), 21 October 2011 (Brussels, Belgium)

Member of the International Scientific Committee and session's chairman of the Workshop "Environmental technologies for solid waste and waste water management: opportunities for Europe-Russia collaboration", 25-27 May, 2011 (Arkhangelsk, Russia)

Member of the International Scientific Committee and session's chairman of the Workshop "EU-Russia collaboration for the evaluation of climate change impacts", November 22-23, 2010 (Barnaul, Russia)

Invited speaker at the brokerage event "Marine Research Capacities in a global context. Focus: Europe, Mediterranean & Black Sea", September 23-24, 2010 (Istanbul, Turkey)

#### **ADDITIONAL INFORMATION**

Member of the International Scientific Committee and session's chairman of the Workshop "Nature and biodiversity: Opportunities for EU-Russia Collaboration", June 28-29, 2010 (Voronezh, Russia)

Member of the International Scientific Committee and session's chairman of the Workshop "Coastal zone management: state of the art and way forward in Europe-Russia collaboration", January 19-20, 2010 (Sochi, Russia)

Awarded with a scholarship from the Science & Technology Fellowship Programme in China (STF CHINA), supported by the European Parliament to build bridges between the EU and China in the Science & Technology domain (2009).

Invited speaker at the Keynote session of the "MEDCOAST 09 - the Ninth International Conference on the Mediterranean Coastal Environment", 10-14 November 2009, Sochi, Russia

Invited speaker at the "International Workshop on POPs Contaminated Site", 23-24 May 2008, Beijing, China

Winner of the "Roberto Marchetti Award" for young scientists, assigned by Italian Ecology Society (2000).

Member of the Society of Environmental Toxicology and Chemistry (SETAC)

Member of the European Geosciences Union (EGU)

Member of the Italian Society for Climate Sciences (SISC)

Actively involved in the Mediterranean Coastal (MEDCOAST) Foundation

Actively involved in the Italian network on the management and remediation of contaminated sites (RECONNET) as delegate for the Dept. of Environmental Sciences Informatics and Statistics, University Ca' Foscari Venice

Tutor of more than thirty Bachelor, Master Sciences and Ph.D. Thesis at University Ca' Foscari Venice. And member of the Evaluation Committee for a PhD Thesis at the University of Cluj-Napoca, Romania (27 October 2012).

Organizer and lecturer of five professional course founded by European Commission.

2012-2013 Collaboration in the creation and development of "The REACH Centre Italia" (www.thereachcentre.it), at the Consorzio Venezia Ricerche (Venice, Italy), with the cooperation of "The REACH Centre" (UK), the University Ca' Foscari Venice and the University of Lancaster (UK). The center aims to support Italian companies to achieve the compliance of REACH and any other supplementary regulations and to be prepared to implement the future regulations for the management of chemical substance.

Member/Participant of European networks CARACAS (Concerned Action on Risk Assessment for Contaminated Sites), CLARINET (Contaminated Land Rehabilitation Network for Environmental Technologies) and NICOLE (The Network for Industrially Contaminated Land in Europe).

Member of the National Committee for the drafting of the UNICHIM Manual (n. 185) "Guidelines for the evaluation of contamination soils and groundwaters – Regulatory and risk assessment aspects" co-ordinated by UNICHIM and ANPA (Italian Environmental Protection Agency).

Co-author of ANPA Manual and Guidelines (n. 11/2002) on national Ecological Risk Assessment guidelines for contaminated site.

22 May 2006: Attendance at the Workshop "Integrating Marine and Coastal Issues into Natural Resources Management", organized by The Australian Marine and Coastal Community Network, Melbourne, Australia.

04-16 December 2005: Attendance at the School on Advanced Modeling Techniques for Rapid Diagnosis and Assessment of CBRN Agents Effects on Water Resource, organized by NATO-ASI, Istanbul, Turkey.

28-29 November 2005: organizer and speaker of the Workshop "Decision Support Systems for the Integration of Bioavailability in ERA: results from 3 European Projects", promoted by the Italian Agency for Environmental Protection and Technical Services (APAT). VEGA - Scientific & Technological Park of Venice, Venice, Italy.

17-19 April 2001: Attendance at the CLARINET Workshop "Ecological Risk Assessment in Contaminated Land Management", Nunspeet, Netherlands.

22-26 September 2003: organizer and lecturer of the Summer School in Risk Based Rehabilitation of Contaminated Megasites at Centre of Excellence for Sustainable Development in the Mediterranean Coastal Areas, University Ca' Foscari of Venice, Venice, Italy.

12-15 June 2002: Attendance at the Summer School on Sensitivity Analysis of Model Output, organised by Institute for the Protection and Security of the Citizen (JRC), Venice, Italy.

#### ANNEXES

ANNEX 1: LIST OF RECENT AND RELEVANT PUBLICATIONS

# Andrea Critto, Department of Environmental Sciences Informatics and Statistics, University Ca' Foscari Venice, Assistant Professor

PhD of Environmental Sciences, University Ca' Foscari Venice

#### ANNEX 1

### List of publications

- J. Rizzi, V. Gallina, S. Torresan, A Critto, S. Gana, A. Marcomini. 2016. Regional Risk Assessment addressing the impacts of climate change in the coastal area of the Gulf of Gabes (Tunisia), *Sustainability Science*, in press.
- V. Gallina, S. Torresan, A. Critto, A. Sperotto, T. Glade, A. Marcomini. 2016. A review of multi-risk methodologies for natural hazards: Consequences and challenges for a climate change impact assessment, *Journal of Environmental Management*, 168, 123-132.
- Y. Deng, D. Brombal, P. Farah, A. Moriggi, A. Critto, Y. Zhou, A. Marcomini. 2016. China's Water Environmental Management towards Institutional Integration. A Review of Current Progress and Constraints vis-a-vis the European Experience. *Journal of Cleaner Production*, 113, 285-298.
- J. Rizzi, S. Torresan, A. Critto, A. Zabeo, D. Brigolin, S. Carniel, R. Pastres, A. Marcomini. 2016. Climate change impacts on marine water quality: The case study of the Northern Adriatic sea, *Marine Pollution Bullettin*, 102, 271-282.
- S. Torresan, A. Critto, J. Rizzi, A. Zabeo, E. Furlan, A. Marcomini. 2016. DESYCO: a decision support system for the regional risk assessment of climate change impacts in coastal zones, *Ocean and Coastal Management*, 120, 49-63.
- L. Pizzol, A. Zabeo, P. Klusacek, E. Giubilato, A. Critto, B. Frantal, S. Martinat, J. Kunc, R. Osman, S. Bartke. 2016. Timbre Brownfield Prioritization Tool to support effective brownfield regeneration. *Journal of Environmental Management*, 166, 178-192.
- E. Semenzin, E. Lanzellotto, D. Hristozov, A. Critto, A. Zabeo, E. Giubilato, A. Marcomini. 2015. Species Sensitivity Weighted Distribution (SSWD) for ecological risk assessment of engineered nanomaterials: the n-TiO2 case study. *Environmental Toxicology and Chemistry*, 34, 2644-2659. DOI: 10.1002/etc.3103.
- J. Fan, E. Semenzin, W. Meng, E. Giubilato, Y. Zhang, A. Critto, A. Zabeo, Y. Zhou, S. Ding, J. Wan, M. He, C. Lin. 2015. Ecological status classification of the Taizi River Basin, China: a comparison of integrated risk assessment approaches. *Environmental Science and Pollution Research*, 22, 14738-14754.
- D. Brombal, H. Wang, L. Pizzol, **A. Critto**, E. Giubilato, G. Guo. 2015. Soil environmental management systems for contaminated sites in China and the EU Common challenges and perspectives for lesson drawing. *Land Use Policy*, 48, 286-298.

- F. Iyalomhe, J. Rizzi, S. Pasini, S. Torresan, A. Critto, A. Marcomini. 2015. Regional Risk Assessment for climate change impacts on coastal aquifers, *Science of the Total Environment*, 537, 100-114.
- E. Rizzo, M. Pesce, L. Pizzol, F. Alexandrescu, E. Giubilato, **A. Critto**, A. Marcomini, S. Bartke. 2015. Brownfield regeneration in Europe: Identifying stakeholder perceptions, concerns, attitudes and information needs. *Land Use Policy*, 48, 437–453.
- P. Isigonis, P. Ciffroy, A. Zabeo, E. Semenzin, **A Critto**, S. Giove, A. Marcomini. 2015. A Multi-Criteria Decision Analysis based methodology for quantitatively scoring the reliability and relevance of ecotoxicological data. *Science of the Total Environment*, 538, 102-116.
- F. Wang, W. Ouyang, F. Hao, **A. Critto**, X. Zhao, C. Lin. 2015. "Multivariate interactions of natural and anthropogenic factors on Cd behavior in arable soil". *Royal Society of Chemistry Advances*, 5, 41238-41247.
- X. Meng, Y. Zhang, X. Yu, J. Zhan, Y. Chai, A. Critto, Y. Li, J. Li (2015). Analysis of the temporal and spatial distribution of lake and reservoir water quality in China and changes in its relationship with GDP from 2005 to 2010. *Sustainability*, 7, 2000-2027, doi:10.3390/su7022000
- Pizzol L, Zabeo A, **Critto A**, Giubilato E, Marcomini A (2015). Risk-based prioritization methodology for the classification of groundwater pollution sources. *Science of the Total Environment*, 506–507, 505–517.
- Ronco P, Bullo M, Torresan S, **Critto A**, Olschewski R, Zappa M, Marcomini A (2015). KULTURisk regional risk assessment methodology for water-related natural hazards Part 2: Application to the Zurich case study. *Hydrol. Earth Syst. Sci.*, 19, 1561-1576, doi:10.5194/hess-19-1561-2015.
- Ronco P, Gallina V, Torresan S, Zabeo A, Semenzin E, **Critto A**, Marcomini A (2014). The KULTURisk Regional Risk Assessment methodology for water-related natural hazards Part 1: Physical–environmental assessment. *Hydrol. Earth Syst. Sci.*, 18, 5399-5414, doi:10.5194/hess-18-5399-2014.
- Li D, Zhang C, Pizzol L, **Critto A**, Zhang H, Lv S, Marcomini A (2014). Regional risk assessment approaches to land planning for industrial polluted areas in China: The Hulunbeier region case study. *Environment International*, 65, 16-32.
- Giubilato E, Zabeo A, Critto A, Giove S, Bierkens J, Den Hond E, Marcomini A (2014). A risk-based methodology for ranking environmental chemical stressors at the regional scale. *Environment International*, 65, 41-53.
- Hristozov DR, Gottardo S, Cinelli M, Isigonis P, Zabeo A, **Critto A**, Van Tongeren M, Tran L, Marcomini A (2014). Application of a quantitative weight of evidence approach for ranking and prioritising occupational exposure scenarios for titanium dioxide and carbon nanomaterials. *Nanotoxicology*, 8 (2), 117-131.
- Hristozov DR, Zabeo A, Foran C, Isigonis P, **Critto A**, Marcomini A, Linkov I (2014). A weight of evidence approach for hazard screening of engineered nanomaterials. *Nanotoxicology*, 8 (1), 72-87.

- Cirella GT; Semenzin E, Critto A, Marcomini A (2014). Natural hazard risk assessment and management methodologies review: Europe. In: Linkov I (Ed.). *Sustainable Cities and Military Installations*. ISBN: 9789400771604. NATO Science for Peace and Security Series C: Environmental Security, DOI 10.1007/978-94-007-7161-116, Springer Science + Business Media Dordrecht. pp. 329-358.
- Stezar IC, Pizzol L, **Critto A**, Ozunu A, Marcomini A (2013). Comparison of risk-based decision-support systems for brownfield site rehabilitation: DESYRE and SADA applied to a Romanian case study. *Journal of Environmental Management*, 131, 383-393.
- Santoro F, Tonino M, Torresan S, Critto A, Marcomini A (2013). Involve to improve: a participatory approach for a Decision Support System for coastal climate change impact assessment. The North Adriatic case. *Ocean and Coastal Management*, 78: 101-111.
- Iyalomhe F, Jansen A, **Critto A**, Marcomini A (2013). Science-policy interface for climate change adaptation: the contribution of communities of practice theory. *Environmental Policy and Governance*, 23, 368-380.
- Iyalomhe F, Rizzi J, Torresan S, Gallina V, **Critto A**, Marcomini A (2013). Inventory of GIS-Based Decision Support Systems Addressing Climate Change Impacts on Coastal Waters and Related Inland Watersheds. In Yosuke Y (Eds). *Climate Change / Book 2*. Intech. ISBN 980-953-307-489-9. Chapter 10, pp 251-272.
- Critto A, Rizzi J, Gottardo S, Marcomini A (2013). Assessing the environmental quality of the Venice lagoon waters using the e-quality software tool. *Environmental Engineering and Management Journal*, 12 (2), 211-218
- Hristozov DR, Gottardo S, **Critto A**, Marcomini A (2012). Risk assessment of engineered nanomaterials: a review of available data and approaches from a regulatory perspective. *Nanotoxicology*, 6, 880-898.
- Agostini P, Pizzol L, **Critto A**, D'Alessandro M, Zabeo A, Marcomini A (2012). Regional risk assessment for contaminated sites Part 3: Spatial decision support system. *Environment International*, 48, 121-132.
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