

Curriculum Vitae

Personal information

Surname / First name **Breil, Margaretha**
Office Address CMCC@Ca'Foscari
Centro Euro-Mediterraneo sui Cambiamenti Climatici | Università Ca' Foscari Venezia
Edificio Porta dell'Innovazione - Piano 2
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E-mail margaretha.breil@cmcc.it margaretha.breil@unive.it margaretha.breil@eiea.org
Date and Place of Birth Germany, 1960

Work experience

March 2009 to present

Occupation or position held Senior Researcher
Main activities and responsibilities Researcher in the Economic analysis of Climate Impacts and Policy Division (ECIP) unit of CMCC in Venice, Italy, working on the analysis of climate change and environmental policies, in particular on the management of urban environments.
Name and address of employer *Centro Euro-Mediterraneo per i cambiamenti climatici - Via Augusto Imperatore 16, 73100 Lecce*
CMCC@Ca'Foscari Centro Euro-Mediterraneo per i cambiamenti climatici and Ca'Foscari University of Venice – viale della Libertà 12, 30175 Marghera-Venezia (VE) Italy
Type of business or sector Non-profit research institution
Dates *September 2002 to December 2017*

Occupation or position held Senior Researcher
Main activities and responsibilities Researcher in the Natural Resources Management and in the Sustainability Indicators and Environmental Evaluation Programmes; research on natural resources and environmental management, with a particular focus on evaluation of urban and spatial policies.
Name and address of employer *Fondazione Eni Enrico Mattei – Isola di S.Giorgio Maggiore, 8, 30124 Venezia, (Italy)*
Type of business or sector *Non-profit research institution*
Dates *June 2012 – May 2013*

Occupation or position held *Research scholarship (Assegno di ricerca) Framing urban adaptation to climate change - policy strategies and finance options*
Main activities and responsibilities *Documenting case studies on urban adaptation*
Name and address of employer *University of Venice*

Dates 2003 - 2004
Occupation or position held Researcher
Main activities and responsibilities Monitoring environmental aspects of the implementation of programs of the (EC) Structural funds
Name and address of employer *Consorzio Venezia Ricerche, Via della Libertà, 12 - 30175 Marghera - Venezia*

Dates 1999 – 2001
Occupation or position held Researcher
Main activities and responsibilities Coordinator of the European project “Joint Pilot Action” under art. 10 ERDF Alpine Space, Project D 2 “Protecting and Recovering settlement typologies in small Alpine centers”; Coordination of

	international partnership and Italian research group
Name and address of employer	IUAV University Institute for Architecture Venice, Department for Economic Social and Spatial Analysis (DAEST) S.Croce 1957, Venice Italy
Type of business or sector	University
Dates	1997 – 1999
Occupation or position held	Researcher
Main activities and responsibilities	Collaboration for the TSER project “Social Exclusion in European Neighbourhoods – processes, Experiences and Responses”
Name and address of employer	IUAV University Institute for Architecture Venice, Department for Economic Social and Spatial Analysis (DAEST) S.Croce 1957, Venice Italy
Type of business or sector	University

Education and training

Dates	2001 - 2003
Title of qualification awarded	Master
Principal subjects/occupational skills covered	Valuation of urban and environmental policies, techniques and strategies for integrated evaluation of public policies in the spatial, economic and social field.
Name and type of organisation	Istituto Universitario di Architettura di Venezia, (I) University
Title of thesis	<i>“Evaluation of social, economic and environmental of EU policies applied to INTERREG Programmes”</i>
Date of exam	7/04/2004
supervisor	Prof. Domenico Patassini
Dates	1988 - 1992
Title of qualification awarded	PHD
Principal subjects/occupational skills covered	Architecture, Urban and Spatial Planning ,. Analysis of public policies
Name and type of organisation providing education and training	Rheinisch Westfälische Technische Hochschule (RWTH) Aachen (D); University
Title of thesis	<i>“Genesis of Urban Policies and Instruments. The first Italian housing law in 1903: A case Study, Reconstruction of a process of policy building”</i>
Date of exam	17/06/1993
Supervisor	Prof. Gerhard Fehl
vote	Sehr gut (excellent)
Level in national classification	Dipl. Ing. (D)
Dates	1979 - 1988
Title of qualification awarded	Degree in Architecture, Urban and Spatial Planning
Principal subjects/occupational skills covered	Spatial analysis, analysis of policies, spatial and urban planning techniques, participation in planning processes
Name and type of organisation providing education and training	Rheinisch Westfälische Technische Hochschule (RWTH) Aachen (D); University
Level in national classification	Diplom Ingenieur (D)
Title of thesis	<i>“Bodenpolitisches Instrumentarium in der Bundesrepublik. Zum Neuen Baugesetzbuch” (Instruments for urban land policies in the Federal Republic: The new Town and Country Planning Code)</i>
Date of exam	5/02/1986
Supervisor	Dr. Juan Rodriguez-Lores
vote	Sehr gut (excellent)

Personal skills and competences

Mother tongue German

Other languages

Self-assessment

European level ()*

English

Italian

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient Use	B2	Independent user
C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User
B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	A2	Basic user

() Common European Framework of Reference for Languages*

Computer skills and competences

Good knowledge of Windows environment and Microsoft Office software (Word, Excel, PowerPoint, Explorer, Access).
 Experience with database software: Access, Zotero;
 Experience with GIS software: ArcGis, IDRISI; QGIS, GRASS
 Experience with other software – Creative Thinker and Decision Explorer for Creative System Modelling,(DTP, Basic knowledge of SPSS, Linux OS, LaTeX)

As contributing author:

- EEA. 2020. 'Urban Adaptation in Europe: How Cities and Towns Respond to Climate Change'. EEA Report 12/2020. Copenhagen, Denmark: European Environment Agency (EEA). (as contributing author) <https://www.eea.europa.eu/publications/urban-adaptation-in-europe>.
- Cramer, Wolfgang, Joël Guiot, and Katarzyna Marini, eds. 2020. *MEDECC 2020 Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report*. Marseille, France: Union for the Mediterranean, Plan Bleu, UNEP/MAP. <https://www.medecc.org/first-mediterranean-assessment-report-mar1/>.
- With Ellena, and Soriani (2020). "The Heat-Health Nexus in the Urban Context: A Systematic Literature Review Exploring the Socio-Economic Vulnerabilities and Built Environment Characteristics." *Urban Climate* 34 (December): 100676. <https://doi.org/10.1016/j.uclim.2020.100676>.
- With Ramieri, E., et al., 2018, Adaptation policies and knowledge base in transnational regions in Europe, ETC/CCA Technical Paper No 2018/4, European Topic Centre on Climate Change impacts, Vulnerability and Adaptation (ETC/CCA), Bologna, Italy (https://cca.eionet.europa.eu/reports/TP_4-2018).
- Breil, M., et al., 2018, Social vulnerability to climate change in European cities - state of play in policy and practice, ETC/CCA Technical Paper, European Topic Centre on Climate Change impacts, Vulnerability and Adaptation (ETC/CCA).
- Garmendia, M., et al., 2017, 'The Adaptive Marine Policy (AMP) toolbox: Supporting policy-makers developing adaptive policies in the Mediterranean and Black Sea', *Marine Policy* 84, pp. 99-109 (DOI: 10.1016/j.marpol.2017.07.009).
- Breil, M., 2017, 'Visions for post-carbon cities', in: Realising long-term transitions towards low carbon societies: Impulses from the 8th Annual Meeting of the International Research Network for Low Carbon Societies, Wuppertal Spezial, Wuppertal Institut für Klima, Umwelt und Energie, Wuppertal (D), pp. 55-60.
- With Rosato, P., et al., 2017, 'Assessing the Impact of Urban Improvement on Housing Values: A Hedonic Pricing and Multi-Attribute Analysis Model for the Historic Centre of Venice', *Buildings* 7(4) (DOI: 10.3390/buildings7040112).
- With Raymond, C. M., Frantzeskaki, N., et al. (2017). A framework for assessing and implementing the co-benefits of nature-based solutions in urban areas. *Environmental Science & Policy*, 77, 15–24. <https://doi.org/10.1016/j.envsci.2017.07.008>
- Raymond, C.M., Berry, P., Breil, M., Nita, M.R., Kabisch, N., de Bel, M., Enzi, V., Frantzeskaki, N., Geneletti, D., Cardinaletti, M., Lovinger, L., Basnou, C., Monteiro, A., Robrecht, H., Sgrigna, G., Muhari, L. and Calfapietra, C. (2017) An Impact Evaluation Framework to Support Planning and Evaluation of Nature-based Solutions Projects. Report prepared by the EKLIPSE Expert Working Group on Nature-based Solutions to Support Climate Resilience in Urban Areas. EKLIPSE, Leipzig, Germany.
- Johnson, Katie, Yaella Depietri, and Margaretha Breil. 2016. "Multi-Hazard Risk Assessment of Two Hong Kong Districts." *International Journal of Disaster Risk Reduction* 19 (October): 311–23.
- Breil, Margaretha, 2015, "Resilient Cities, Urban Adaptation and Climate Change" keynote lecture at: 6th European Conference on Energy Efficiency and Sustainability, San Sebastián (Spain), 29 June - 1 July 2015;
- Depietri, Yaella, Lorenzo Guadagno, and Margaretha Breil. 2013. "Urban Watershed Services For Improved Ecosystem Management and Risk Reduction, Assessment Methods and Policy Instruments: State of the Art." <http://services.bepress.com/feem/paper854/>.
- Breil, M., Johnson, K. & Bucchignani, E., 2013. An indicator-based assessment of vulnerability to climate change in Italian coastal cities. In *Climate Change and its implications on ecosystem services and society*. Società italiana per le Scienze del Clima. First annual conference. Lecce (Italy). Available at: <http://www.sisclima.it/conferenza/?lang=en>.
- Breil, M. & Gonzalez, A. 2014, Socioeconomic Data Collection and Analysis. In Chrysoulakis, Nektarios, Eduardo Anselmo de Castro, and Eddy J Moors. 2014. *Understanding Urban Metabolism: A Tool for Urban Planning*. Routledge.
- Breil, M. & Johnson, K., 2012a. Conceptualizing Urban Adaptation to Climate Change- Findings from

an Applied Adaptation Assessment Framework. Review of Environment, Energy and Economics (Re3). Available at: <http://re3.feem.it/getpage.aspx?id=4981>.

Breil, M. & Johnson, K., 2012b. Conceptualizing Urban Adaptation to Climate Change- Findings from an Applied Adaptation Assessment Framework, Milano, Italy: Fondazione Eni Enrico Mattei (FEEM). Available at: <http://www.feem.it/userfiles/attach/20125101713544NDL2012-029.pdf>.

Farinosi, Fabio; Carrera, Lorenzo; Mysiak, Jaroslav; Breil, Margaretha; Testella, Francesca (2012), Tradable certificates for renewable energy. Italian experience with hydropower 9th International Conference on the European Energy Market EEM12 May 10-12th, Florence, Italy

P. Rosato, S. Giove, M. Breil (2011) An Application of Multicriteria Decision Making to Built Heritage. The redevelopment of Venice Arsenale; Journal of Multi-Criteria Decision Analysis, Volume 17, Issue 3-4, pages 85–99, May - August 2010.

A. González; A., Donnelly, M. Jones, J. Klostermann, A. Groot, M. Breil, J. Mysiak (2011): Community of practice approach to developing urban sustainability indicators. Journal of Environmental Assessment Policy and Management, 13(04), p.591.

M. Breil, (2008) Turismo e aree protette: una questione di sostenibilità, in: Equilibri 1/2008 p. 123)

P. Rosato, L. Rotaris, M. Breil, and V. Zanatta (2008), Do We Care about Built Cultural Heritage? The Empirical Evidence Based on the Veneto House Market. FEEM Working Paper No. 64.2008

P. Rosato, A. Alberini, V. Zanatta, and M. Breil (2008), Redeveloping Derelict and Underused Historic City Areas: Evidence from a Survey of Real Estate Developers. FEEM Working Paper No. 60.2008

Breil, M., Catenacci, M. & Travisi, C.M. (2008) Le zone costiere italiane: quantificazione economica degli impatti e delle misure di adattamento. Cambiamenti climatici e strategie di adattamento in Italia. Una valutazione economica. Carraro C. (a cura di). pp. 235 - 301. il Mulino, Milano.

M. Breil (2007) Impatti del cambiamento climatico sulle zone costiere: Quantificazione economica di impatti e di misure di adattamento – sintesi di risultati e indicazioni metodologiche per la ricerca futura. Contribution to the Preparatory workshop for the National Conference on Climate Change (Conferenza Nazionale sui Cambiamenti Climatici) Palermo, June, 27-28.

M. Breil, A. Fassio, P. Rosato, C. Giupponi (2006) Evaluation of Urban Improvement on the Islands of the Venice Lagoon: A Spatially-Distributed Hedonic-Hierarchical Approach. in: A. Alberini, P. Rosato, M. Turvani, eds., Valuing Complex Natural Resource Systems. The Case of the Lagoon of Venice. Series on "Economics, the Environment and Sustainable Development" published by Edward Elgar.

M. Breil, P. Rosato, M. Dallavalle e C. Giupponi (2006) La valutazione del miglioramento urbano nel centro storico di Venezia un approccio edonico-gerarchico; FEEM, Rapporti sullo Sviluppo Sostenibile.

M. Breil, G. Gambarelli, P. Nunes, (2005) Economic valuation of on-site material damages of high water on economic activities based in the city of Venice: results from a dose-response-expert-based valuation approach, in T. Spencer and C. Fletcher (eds.), Flooding and Environmental Challenges for Venice and Its Lagoon, Chapter 26, Cambridge UK, Cambridge University Press.

M. Breil, C. Giupponi, P. Rosato, e L. Chiarullo, (2005) Sant'Erasmus, L'isola Agricola della Laguna di Venezia: Potenzialità della Gestione Integrata delle Zone Costiere (GIZC) e Prospettive di Sviluppo; FEEM, Rapporti sullo Sviluppo Sostenibile.

M. Breil (1992) "Die Anfänge einer nationalen Wohnungspolitik: das italienische Wohnungsgesetz von 1903". (The beginnings of a national housing policy: the italian housing law from 1903.) Phd-Thesis presented at the RWTH

M. Breil (1996) "Selbsthilfe und Wohnungsbau: Abusivismo in: Rom und die italienische Städtebaudiskussion" Regulierung städtischen Wachstums – Neue territoriale Systeme in Metropolen am Südrand Europas; Dortmund: IRPUD, 1996

M. Breil (1996) "Politica della casa e emergenza abitativa in Italia e Germania". Ca'Tron Cronache Vol. 8, Venice, 1996, pp. 74 - 77.

Liliana Padovani, M. Breil, Ilaria Conti, Murielle Drouille, Iolanda Romano, Maria Grazia Sorci (1999) "Social Exclusion in European Neighbourhoods. Processes, Experiences and Responses. Italian Report". Venice 1999, EC Framework 4 Targeted Economic and Social Research. Area IV: Research into social exclusion and social integration in Europe,.

Contributing Author to:

MedECC (2020) Climate and Environmental Change in the Mediterranean Basin – Current Situation

and Risks for the Future. First Mediterranean Assessment Report [Cramer, W., Guiot, J., Marini, K. (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France,

EEA. 2016. Urban Adaptation to Climate Change in Europe 2016. Transforming Cities in a Changing Climate. EEA Report 12/2016. Copenhagen, Denmark: European Environment Agency (EEA). http://www.eea.europa.eu/publications/urban-adaptation-2016/at_download/file.

EEA. 2018. 'Unequal Exposure and Unequal Impacts: Social Vulnerability to Air Pollution, Noise and Extreme Temperatures in Europe'. EEA Report 22/2018. Copenhagen Denmark: European Environment Agency.

EEA. 2020. "Urban Adaptation in Europe: How Cities and Towns Respond to Climate Change." EEA Report 12/2020. Copenhagen, Denmark: European Environment Agency (EEA). <https://www.eea.europa.eu/publications/urban-adaptation-in-europe>.

Spano, Donatella, and Valentina Mereu. 2020. 'Analisi del Rischio. I cambiamenti climatici in Italia'. Fondazione CMCC - Centro Euro-Mediterraneo sui Cambiamenti Climatici. https://doi.org/10.25424/CMCC/ANALISI_DEL_RISCHIO.

Research Projects (selection)

ADRIADAPT - A Resilience Information Platform for Adriatic Cities and Towns. Financed under the INTERREG Italy-Croatia. CBC Programme. Personal responsibility: Project Coordinator (1.1.2019 – 31-12-2020)

ETC-CCA – European Topic Centre on: Climate Change impacts, vulnerability and adaptation. Personal responsibility: Task leader for Task 1.4.2 Urban and social aspects of adaptation (2013 to date). In this context, 2015- 2016 co-author of the upcoming EEA report Urban adaptation to climate change in Europe 2016 Transforming cities in a changing climate Urban,

ODISHA "Towards Climate Resilient and Carbon Conscious Growth in Odisha: NLTA to Support Implementation of Odisha State Climate Change Action Plan - Urban Resilience (World Bank – Selection #1144451) Collaboration as external consultant for the project (2014-2015);

PQCACITO - Post Carbon cities of Tomorrow – foresight for sustainable pathways towards livable, affordable and prospering cities in a world context (1/1/ 2014- 31/12/2015).

LEAN CC Linking European, African and Asian Academic Networks on Climate Change; for UNIVE, personal responsibility: Improve awareness of the issues relating to climate change and the available EU courses/programmes available to develop their knowledge and expertise; Personal responsibility: structure and run e-course, collaborate to e-platform (2011-2013).

BASE – aims at defining sustainable bottom-up Adaptation Strategies for Change based on precedent experience, modelling and stakeholder participation. Personal responsibility: Venice as a case study for urban adaptation (2012-2016).

PERSEUS assesses the dual impact of human activity and natural pressures on the Mediterranean and Black Seas, aiming at the design an effective and innovative research governance framework.(2011-2015).

EPI.Water aims to assess the effectiveness and the efficiency of Economic Policy Instruments in achieving water policy goals, and to identify the preconditions under which they complement or perform better than alternative (e.g. regulatory or voluntary) policy instruments.

BRIDGE aims at incorporating sustainability aspects in urban planning processes, accounting for relations between urban metabolism and urban structure and at the development of innovative planning strategies for urban planning and design in Europe, providing the means to quantitatively estimate the various components of the urban metabolism, their socio-economic and environmental impacts, as well as the means for resource optimisation in urban fabric (2008-2011).

XEROCHORE The project, financed as a support Action under FP7 by the European Commission aims at assisting in the development of a European Drought Policy in accordance with the EU-Water Framework Directive (EU-WFD).

VECTOR "Vulnerability to Climate Change of Coastal Areas and Marine Ecosystems, and their Role in the Mediterranean Carbon Cycle". Economic valuation of the costs of climate change and sea-level rise in coastal areas (Italy) (2008-2010).