

# Carlo Federico dall'Omo Ph.D.

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*Architect / Urban Designer / Climate Adaptation Management*

## **Iuav University of Venice**

Research Manager

*Department of Architecture & Planning*

## **Eni Enrico Mattei Foundation**

Research Associate

*EPiC Earth and Polis Research Centre*

## **Personal Contacts**

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## **ABSTRACT**

Carlo Federico dall'Omo is a research manager at IUAV University of Venice, where he earned a Ph.D. in Architecture, City, and Design - Cultures of Project Made in Italy. His research focuses on the management of the built environment and adaptation to climate change. Since July 2018, he has been involved in project management for various community investment programs aimed at updating territorial governance processes to manage the impacts of climate change. He engages in crowdfunding and advisory activities for Horizon, Prima, Interreg, and Life programs. He has solid experience in managing the research phases and reporting of projects at IUAV University of Venice. He teaches in the macro-sector of Planning and Urban and Territorial Design at IUAV and lectures at Venice International University, Thomas Jefferson University, and Tongji University. He serves as a national councilor at the National Institute of Urban Planning and coordinates the INU research group - Young Sustainability and Climate Change. He represents IUAV at the Conference of Parties (COP) and is a member of the UNFCCC Roster of Experts for urban adaptation. Since 2023, he has been recognized by the MOST Expert program of the Chinese Ministry of Science and Technology as an expert on Smart and Healthy Cities. He is also co-coordinator of the UNESCO Chair in Heritage & Urban Regeneration and is a Climate Ambassador for the European Climate Pact.

## EXPERIENCE AND RESEARCH ACTIVITIES

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### **Associate Editor of the Journal Perspectives in Architecture and Urbanism.**

- Tongji University & Elsevier (From 03.2024, ongoing)

### **Coordinator of the UNESCO Chair on Heritage and Urban Regeneration**

- Iuav University of Venice (From 02.2023, ongoing): Coordination with UNESCO and other International Chairs for research and crowdfunding activities.

### **Technical Scientific Consultancy**

- United Nation Framework Convention on Climate Change (UNFCCC) (From 01.2023, ongoing): Scientific Expert for adaptation strategies in the Mediterranean.
- European Commission - European Climate Pact (From 01.2023, ongoing): Appointment as Climate Pact Ambassador.

### **Curator**

- Mantua Archaeological Museum (From 10.2023 to 02.2024): Management of the exhibition "Historic Mantua, Laboratory for a Sustainable Future."
- RWTH Aachen University, Politecnico di Milano, Iuav University of Venice (From 03.2023 to 12.2023): Organization of the exhibition "Climate Wunderkammer".
- Thomas Jefferson University (03.2023 to 12.2023): Curator of the "Cities under Climate Threat: Venice - Philadelphia" Exhibition.

### **Researcher**

- Iuav University of Venice (From 01.2019, to 12.2020): "The climate adaptation project for the Upper Adriatic - a cross-border plan between Italy and Slovenia": Post-doc on the development of cross- border strategies for climate adaptation.
- Iuav University of Venice (From 11.2018, 05.2023): Project "Venice 2021 - Scientific research program for a regulated lagoon. Development of 3D digital models for the environmental management of Venice and its lagoon.
- Iuav University of Venice (From 02.2018, to 01.2019): iDEAL DEcision support for Adaptation pLan (INTERREG V-A Italy-Croatia 2014- 2020). Definition of guidelines for climate adaptation in Adriatic urban areas.
- Iuav University of Venice (From 05.2021, ongoing): Project RE.S.T.O.R.E. - "State Resilience Through Organic Economic Reform": Research on the role of public administrations in managing post- pandemic effects.

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## PROFESSIONAL ACTIVITY

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#### **Research Manager | Project Manager & Developer**

- Iuav University of Venice (From 04.2022, to Today): Managing research projects for the "Horizon Europe" program and coordinating the research internationalization strategy

#### **Scientific and Technical Consulting - Project Coordinator**

- COIMA S.G.R. (From 11.2022, ongoing): Development of climate impact assessment tools and management of architectural and environmental adaptation projects.
- OPERA - Italy Engineering (From 12.2022, to 02.2023): Coordination and technical support for NRP-funded projects.
- IMQ eAmbiente s.r.l. (From 02.2023, to 03.2023): Assessment of compliance with environmental conditions and climate vulnerability.
- Iuav Foundation; Venice-Rovigo Chamber of Commerce (From 01.2021, to 04.2022): Consulting on the implementation of a Simplified Logistics Zone (SLZ).
- Iuav University of Venice; Querini Stampalia Foundation (From 09.2016, to 10.2016): Management and organization of the project "La Montagne De Venise".
- European Cultural Center (From 07.2012, to 07.2014): Responsibility for production, logistical planning and management for the Palazzo Bembo exhibition center.

#### **Postgraduate Internship and Professional Practice**

- Studio Sito Architekten -Zurich (From 04.2015, to 10.2016): Architectural design, construction supervision and development of physical and virtual models.

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## **TEACHING EXPERIENCE**

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#### **Venice International University**

- Adjunct Professor - Venice International University (2023 - ongoing): Teaching the course "Cities and Global Change: Urban Policy Analysis and Design," with a focus on urban policy analysis and urban design.
- Adjunct Professor - Iuav University of Venice (2021 - ongoing): Lecturer of the course "Urban Design and Cultures of Sustainability," exploring the concepts of sustainability applied to urban planning. Mentoring courses in product design and visual communication, architecture and spatial planning with a focus on urban sustainability and cultures of the city.

#### **Chinese Most Expert Program**

- Tongji University, Shanghai (From 10.2023, ongoing): Lecturing appointment, focusing on urban design and climate change resilience.

#### **Thomas Jefferson University: Institute on Smart & Healthy Cities**

- Thomas Jefferson University (From 01.2021, ongoing): Lecturing appointment, focusing on urban design and climate

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change resilience.

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#### **International Workshops and Seminars**

- Haute École du Paysage, d'Ingénierie et d'Architecture de Genève; Haute École d'Ingénierie et d'Architecture de Fribourg; Bern University of Applied Sciences (10.2021 - 11.2021): Lecturing in the Joint Master of Architecture, coordinating the workshop "Water as a Boundary Object".
  - Venice 2021 project with Massachusetts Institute of Technology (MIT) (06.2019 - 10.2019): Lecturing and mentoring in the International Summer School "Resilient Venice"
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### **TRAINING**

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#### **Executive Master**

- SDA Bocconi, Executive Master on Public Administrations Management (2024, ongoing)

#### **Post-Doc and PhD Visiting**

- Tongji University (2023): Research period on urban resilience and urban design.
- Thomas Jefferson University (2021): Research on Public Health and Smart Cities.

#### **Ph. D**

- Iuav University of Venice (2018-2022): 'Towards the Implementation of Climate Adaptation Planning: Approaching the Case Study of the North Adriatic Sea through Four Research Papers'. Evaluation: Summa Cum Laude and Dignity of Publication.

#### **Master's Degree in Architecture**

- Iuav University of Venice (2015-2018): 'Towards a resilient governance model of public heritage: urban regeneration actions on the former G. B. Giustinian hospital complex in Venice'. Evaluation: Summa Cum Laude.

#### **Bachelor's Degree in Architectural Science**

- Iuav University of Venice (2011-2015)

#### **Higher Education**

- Marco Foscarini High School (2006-2011)
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- "DNSH PROTOCOL AND EUROPEAN CLIMATE ADAPTATION: A GAME CHANGING APPROACH" (2023) - dall'Omo, C.F., et al., AESOP Annual Congress 2023.
  - "L'esperienza del progetto SECAP: verso le Linee guida per i Comuni" (2022) - dall'Omo, C.F., et al., Corila Editore.
  - "L'esperienza del progetto SECAP: Strategie di Mitigazione e Adattamento. Volume 2" (2022) - dall'Omo, C.F., et al., Corila Editore.
  - "L'esperienza del progetto SECAP: Strategie di Mitigazione e Adattamento. Volume 1" (2022) - dall'Omo, C.F., et al., Corila Editore.
  - "An innovative climate adaptation planning process: iDEAL project" (2022) - dall'Omo, C.F., et al., Journal of Environmental Management, 317.
  - "Ritorno a un sincretismo foriero / Return to a Harbinger Syncretism" (2022) - dall'Omo, C.F., et al., OFFICINA.
  - "Il paradosso della città in contrazione: la disaggregazione urbana come occasione di resilienza" (2022) - dall'Omo, C.F., et al., PLANUM.
  - "Supporting metropolitan Venice coastline climate adaptation. A multi-vulnerability and exposure assessment approach" (2022) - dall'Omo, C.F., et al., Environmental Impact Assessment Review, 100.
  - "#dialoghi. Sostenibilità e Climate Change" (2021) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 99-100.
  - "Il mainstream come chiave per l'azione climatica: considerazioni dalla Pre-COP26 di Venezia" (2021) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 58-61.
  - "Multi-Risk Climate Mapping for the Adaptation of the Venice Metropolitan Area" (2021) - dall'Omo, C.F., et al., SUSTAINABILITY, 13.
  - "Aperta e complessa: Per una Venezia climateproof" (2020) - dall'Omo, C.F., et al., Venezia città sostenibile = Venice sustainable city, 50-59.
  - "Coastal areas in transition. Assessment integration techniques to support local adaptation strategies to climate impacts" (2020) - dall'Omo, C.F., et al., Policy Brief, Fondazione Eni Enrico Mattei.
  - "Diary extract of five research experiences in the 34. Italian doctoral cycle: sharing common research questions on environment-oriented planning" (2020) - dall'Omo, C.F., et al., PLURIMONDI, 123-160.
  - "Toward a trans-regional vulnerability assessment for Alps. A methodological approach to land cover changes over alpine landscapes, supporting urban adaptation" (2020) - dall'Omo, C.F., et al., URBAN CLIMATE, 32.
  - "Pianificazione paesaggistica e rischi, un approccio sincretico nella gestione territoriale" (2020) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 19-20.
  - "Land-Sea Interaction: Integrating Climate Adaptation Planning and Maritime Spatial Planning in the North Adriatic Basin" (2020) - dall'Omo, C.F., et al., SUSTAINABILITY, 12(13).
  - "VenetoAdapt: un'esperienza di convergenza tra adattamento al cambiamento climatico e riduzione del rischio" (2018) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 27-30.
  - "Mantova Resiliente: Linee guida per un adattamento climatico local-based" (2018) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 201-204.
  - "Verso un modello di governance resiliente del patrimonio pubblico:
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azioni di rigenerazione urbana sull'ex complesso ospedaliero G. B. Giustinian" (2018) - dall'Omo, C.F., et al., URBANISTICA INFORMAZIONI, 104-111.

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**Reviewer**

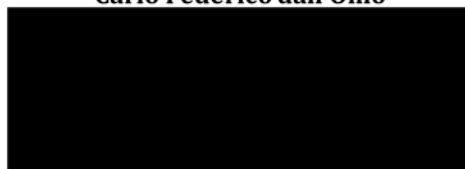
- *Applied Science*, ISSN 2076-3417
- *Urban Climate Change Research Network's Assessment Report on Climate Change*.
- *Cities*, ISSN: 0264-2751
- *International Journal of Environmental Research and Public Health (IJERPH)*, ISSN: 1660-4601.
- *Journal of Urbanism*, ISSN: 1754-9175
- *Nature Springer*, ISSN 0028-0836
- *Sustainability*, ISSN: 2071-1050.

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**Awards and Recognition**

- 06/01/2013 - "Annual Design Award for Pragmatic Optimism" for the project Project: "The Bunker, OAC 2011 Venice Biennale Exhibition," awarded by Architecture For Humanity, San Francisco, US;
  - Nov. 28, 2018 - "Laudato Si" Award for the master's thesis entitled "Towards a resilient governance model of public heritage: urban regeneration actions on the former G. B. Giustinian hospital complex in Venice," awarded by the Leone Moressa Foundation, the Patriarchate of Venice and the Municipality of Venice.
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Venice, 01/02/2024  
**Carlo Federico dall'Omo**



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