Full name (given name, family name,)	Denis Maragno		Date of birth	27/03/1981	Gender	M	Photograph	
Nationality	Italian	Position/ Title	Assistant Professor	Research field	Urban P	lanning		
Institutional or organizational affiliation	University Iuav of Venice			Degree	Ph.D.			
Postal address	Home: Fratta Po Italy Office: Universit 1957 Santa Croco	y IUAV o	f Venice,	Passport number	YA4623164			
Phone number	3495629068	Ema	il address	dmaragno@iuav.it				
Educational experience (from bachelor to Ph.D.)	2017 PhD in New Technologies for Urban Planning – School of Doctoral of Architecture, City and Design University Iuav of Venice, Thesis: Climate Impact Assessment to improve Urban Resilience in climate change scenario 2012 Master Degree in Urban Planning – University Iuav of Venice - Italy Thesis: Urban Heat Island Assessment: Padova case study							
Working experience	Over the years after obtaining his Ph.D. (2013-2017), in the two years of Post-Doc research, and after entering the role as Assistant Professor (2019-ongoing), he has carried out research and scientific consultancy activities, maturing a particular interest in the relationship between urban planning and environmental policies for sustainable development and the study of new spatial information technologies in the field of innovation of planning processes, deepening, in particular, three main areas of investigation within which he has had the opportunity to gain experience in both theoretical research and applied research and scientific consultancy: 1. The development of techniques for analyzing and assessing urban and territorial systems in synergy with the use of innovative applications linked to ICT technologies to implement readings of environmental, anthropic, and climate change-related risk contexts. 2. Investigating innovative operational methods linked to modern spatial information management systems to support Territorial Government Activities, decision-making processes, and techniques for planning in climate change scenarios. 3. The environmental planning of coastal and maritime space focuses on the Lagoon of Venice and the Italian coastal areas. Within these themes, he has gained experience in both analysis and planning and design, dealing in particular with the interaction between the standard tools of territorial, urban, and environmental planning with extraordinary, super-ordinate and sector planning, hypothesizing and experimenting with forms of adaptation of common cognitive frameworks to the advantage of dynamic, integrated and shared systems. TEACHING POSITIONS 2021-2022 Digital Cities and Urban Planning - fourth year — University Iuav of Venice 2021-2022 Tools for urban reuse and regeneration and spatial information systems for planning -							

second year - University Iuav of Venice

2021-2022 An Introduction to Maritime Spatial Planning - fourth year – University Iuav of Venice **2019-2021** Giscience for Spatial Planning - fourth year – University Iuav of Venice

2019-2021 Computer Applications for Planning and Urban Design - second year – University Iuav of Venice

2018-2019 Environmental monitoring and ICT - fourth year – University Iuav of Venice
 2018-2019 Computer Applications for Planning and Urban Design - second year – University Iuav of Venice

SCIENTIFIC RESPONSIBILITY OR PARTICIPATION IN THE WORKING GROUP

- Scientific Coordinator for Iuav of the AdriaClim project - Climate change information, monitoring, and management tools for adaptation strategies in the Adriatic coastal areas. AdriaClim is an Interreg Italy-Croatia project to increase resilience to climate change in the Adriatic coastal area. Coordinated by ARPA Emilia-Romagna, it involves 19 partners, including research institutes, universities, institutions, and enterprises from the two countries. The project provides information tools, integrating observed data and high-resolution climate models as a knowledge base for developing new climate change adaptation strategies and plans. In the project, Iuav consults ARPAV in developing spatial analyses with satellite data in favor of the development of the Veneto Geographical Information System for climate planning.

Role: Scientific responsible Iuav unit, Budget Iuav: € 100,000, from 01-10-2020 to date;

- Scientific responsible for the project SECAP Supporting energy and climate adaptation policies (2019-2021) European Commission Interreg V-A Italy-Slovenia ERC Sectors SH3 (SH3_2_3_9_10). The overall objective of the Secap Project is to promote sustainable development of the cross-border territory through low-carbon strategies for all types of territory, especially urban areas, by creating relevant adaptation and mitigation measures. The project has led to the cross-border sharing of tools, methodologies, and shared information systems to positively affect local planning throughout the program area. The transition to a low-carbon society will be implemented in the infrastructure interventions of PP4 and PP10 and the evolution of SEAPs into CFSPs for some municipalities / ITUs / metropolitan cities. The sustainable development models of the Covenant of Mayors will thus be promoted by improving quality of life and resilience to climate change. Role: Head of scientific unit Iuav, Budget Iuav: € 353,147, 01-03-2019 to 01/10/2021;
- Scientific responsible within the research project MSPMED Towards the operational implementation of MSP in our common Mediterranean Sea, call EMFF-MSP-2019 of the European Maritime and Fisheries Programme SSD: ICAR / 20. (Funding European Commission European Maritime and Fisheries Fund Call MSP EMFF- Maritime Spatial Planning-2019MSP-MED). The project focuses on and guides studies and research in order to implement the MSP process in the common areas of the Mediterranean Sea.

The overall objective of the MSP-MED project is to facilitate the MSP Directive processes in the Member States bordering the Mediterranean Sea, which is currently in various stages of implementation, support the creation of coherent and coordinated maritime spatial plans across the Mediterranean region.

The MSP-MED project will address specific issues concerning the implementation of the national MSP, adapted to the actual needs of each Member State. At the same time implement activities at the basin scale, improving cooperation and knowledge sharing, and finally ensuring coherence between Member States' plans. Role: Co-Scientific Officer Iuav Unit

Budget Iuav: € 335,124.00, from 01-03-2020 to date

- Scientific responsible for the project line "Analysis of the traceability system and organic flows in the Agrifood sector".

Project title: Re-CiTé. Support Systems for the Circular Territorial Recovery of Agrifood Flows - Project code: 2122-0006-1463-2019, financed within the framework of the Regional Operational Programme European Social Fund 2014-2020 - General Objective "Investment for Growth and Employment - Reg. 1304/2013 - Axis I Employability - "Regional strategies for the university system - Innovation and research for a more competitive Veneto" - Deliberation of the Regional Council no. 1463 of 8 October 2019, Iuav budget of the line of responsibility: 30,000 euro from 01-10-2020 to 30-09-2021.

HE ALSO PARTICIPATED AS A RESEARCHER IN THE FOLLOWING NATIONAL AND INTERNATIONAL RESEARCH PROJECTS:

- SUPREME Supporting Maritime Spatial Planning in the Eastern Mediterranean "MAinSTreaming Experiences at Regional and local level for adaptation to climate change" co-funded by the EC DG Maritime Affairs and Fisheries (DG MARE) Call for Proposal. Started on 09/01/2017 IUAV is Project Partner;
- LIFE 15 CCA/CY/00008 **URBAN PROOF** "Climate Proofing Urban Municipalities" LIFE Programme 2014-2020 sub-program for climate action started 01/10/2016 IUAV is Associated Beneficiary;
- LIFE15 CCA/IT/000061 **MASTER ADAPT "MAinSTreaming Experiences at Regional and local level for adaptation to climate change" -** LIFE Program 2014-2020 sub-program for Climate Action Started on 01/10/2016 IUAV is Project Partner;
- LIFE16 CCA/IT/000090 LIFE Veneto ADAPT "Central VENETO Cities netWorking for ADAPTation to Climate Change in a multi-level regional perspective". started on 01/7/2016 IUAV is Associate Beneficiary;
- "URBAN WINS Urban metabolism accounts for building Waste management Innovative Networks and Strategies" H2020-WASTE-2015 Started on 16/01/2016 IUAV is Project Partner:
- "IDEAL DEcision for Adaptation pLan" 2014 2020 Interreg V-A Italy Croatia CBC Programme Standard+ Call 2017. G.A. 10042641. Started on 01/1/2018 IUAV is Project Partner;
- Mantova Resilience Guidelines for the Adaptation of the City to Climate Change (Research Contract Commissioned by the Municipality of Mantova to Iuav University of Venice);
- Guidelines for the Adaptation of the Metropolitan City of Milan (Funded by Fondazione Cariplo);
- COEVOLVE Promoting the co-evolution of human activities and natural systems for sustainable coastal and maritime tourism development INTERREG MED 2014 2020 2015 call for modular projects. Started on 01/11/2016 IUAV is Project Partner;

- SIMWESTMED Supporting Implementation of Maritime Spatial Planning in the Western Mediterranean Region EU co-funded project Started 01/10/2016 and ended 13/12/2018;
- SEAP_Alps Support to local authorities in the implementation of Sustainable Energy Action Plans in the Alpine Space Area Interreg Alpine Space 2009-2013 Priority 3 Environment and Risk Prevention. Started on 01/10/2012 and ended on 31/05/2015 IUAV is Associate Beneficiary;
- ADRIPLAN ADRiatic Ionian maritime spatial PLANning EU co-funded project (DG Mare) Started on 01/10/2013 and ended on 11/07/2015;
- UHI Development and application of mitigation and adaptation strategies and measures to counter the global phenomenon of Urban Heat Islands Interreg Central Europe 2007-2013 Area 3.2 Reduction of risks and impacts of natural and man-made hazards. Started on 04/04/2012 and ended on 31/03/2014 IUAV is Associate Beneficiary.

RESPONSIBILITY FOR STUDIES AND SCIENTIFIC RESEARCH ASSIGNED BY QUALIFIED PUBLIC OR PRIVATE INSTITUTIONS

- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant financed by the CARIPLO Foundation
- Title: "Adaptation to climate change and improvement of the comfort of public spaces and productive areas in the peri-urban area of Milan". SSD: ICAR/21 and ICAR/20. Number months: 15. Contract repertory number rep. no. 184- 2019 prot. no. 18960 of 20/05/2019 from 20-05-2019;
- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by CORILA Consorzio per il coordinamento delle Ricerche inerenti la Laguna di Venezia. Title: "Venice 2021: definition of the socio-economic aspects of the climate adaptation plan through a participatory process aimed at decision support" SSD: ICAR/21 and ICAR/20. Number months: 12. Contract repertory number rep. no. 428- 2019 prot. no. 54108 of 08/10/2019 from 08-10-2019 to 08-10-2020;
- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by the European Commission within the framework of the Interreg Italy-Croatia project ADRIADAPT (A Resilience information platform for Adriatic cities and towns) Title: "Assessment of coastal resilience in areas of complex urbanization" SSD: ICAR/21 and ICAR/20. Number months: 12. Contract repertory number rep. no. 521-2019 prot. no. 62166 of 03/12/2019 from 03-12-2019;
- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by the European Commission DG Mare within the MSP-MED project Towards the Spatial Plan of the Mediterranean.
- Title: "Towards the Spatial Plan of the Mediterranean: actors, institutions and governance for sea planning" SSD: ICAR/21 and ICAR/20. Number of months: 24. Contract repertory number rep. no. 45-2020 prot. no. 3872 of 03/02/2020 from 03-02-2020 to 03-02-2021;
- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by the European Commission - DG Mare within the MSP-MED Towards the Spatial Plan of the Mediterranean project. Title: "Landscapes vs seascapes: the land-sea interface as a

guide to the design and spatial planning of the sea" SSD: ICAR/21 and ICAR/20. Number of months: 19. Contract repertory number rep. no. 295-2020 prot. no. 40061 of 03/08/2020 from 03-08-2020;

- Scientific head of research grant at the Department of Project Cultures - Iuav University of Venice. Research grant funded by the European Commission within the framework of the Italy-Croatia Interreg project STREAM Strategic development of flood management.

Title: "Urban planning, adaptation and public engagement: a plan for the resilience of Veneto in the perspective of the 2030 Agenda" SSD: ICAR/21 and ICAR/20. Number months: 12. Contract repertory number rep. no. 4 ep. no. 410- 2020 prot. no. 52005 of 09/10/2020 from 09-10-2020;

- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by the European Commission within the Italy-Croatia Stream Strategic Interreg project framework. Title: "Urban design for resilience: design techniques for Veneto and the coastal cities of the Adriatic region" SSD: ICAR/21 and ICAR/20. Number months: 12. Contract repertory number rep. no. 419- 2020 prot. no. 53053 of 16/10/2020 from 16-10-2020;
- Scientific head of research grant at the Department of Project Cultures Iuav University of Venice. Research grant funded by the European Commission within the framework of the Italy-Croatia Strategic Interreg project Framesport FRAMEwork initiative fostering the Sustainable development of Adriatic. Title: "Blue Growth and Sustainable Design of the Sea: the role of small ports in the Adriatic region" SSD: ICAR/21 and ICAR/20. Number months: 24. Contract repertory number rep. no. 419-2020 prot. no. 53053 of 16/10/2020 from 16-10-2020.

He has published 5 books, 9 contributions (Book Chapter) and 43 journal articles.

SELECTED PUBLICATIONS

Brief achievement summary (total published articles, patents, books, host project list, etc.) (If not available online, please provide scanned/electronic documents) **Maragno, Denis;** Dall'Omo, Carlo Federico; Pozzer, Gianfranco; Musco, Francesco (2021). Multi-Risk Climate Mapping for the Adaptation of the Venice Metropolitan Area. DOI:10.3390/su13031334. pp.1-32. In SUSTAINABILITY - ISSN:2071-1050 vol. 13 (3);

Denis Maragno, Carlo Federico dall'Omo, Gianfranco Pozzer, Niccolò Bassan, Francesco Musco (2020). Land—Sea Interaction: Integrating Climate Adaptation Planning and Maritime Spatial Planning in the North Adriatic Basin. SUSTAINABILITY, vol. 12(13), ISSN: 2071-1050;

Denis Maragno, Michele Dalla Fontana, Francesco Musco (2020). Mapping Heat Stress Vulnerability and Risk Assessment at the Neighborhood Scale to Drive Urban Adaptation Planning. SUSTAINABILITY, vol. 12, ISSN: 2071-1050;

Maragno, Denis, dall'Omo, Carlo Federico, Ruzzante, Francesco, Musco, Francesco (2020). Toward a trans-regional vulnerability assessment for Alps. A methodological approach to land cover changes over alpine landscapes, supporting urban adaptation. URBAN CLIMATE, vol. 32, ISSN: 2212-0955, doi: 10.1016/j.uclim.2020.100622

Bertin, Mattia, **Maragno, Denis**, Musco, Francesco (2019). Pianificare l'adattamento al cambiamento climatico come gestione di una macro-emergenza locale. TERRITORIO, p. 138-144, ISSN: 1825-

8689, doi: 10.3280/TR2019-089018;

Maragno, Denis, Gaglio, Mattias, Robbi, Martina, Appiotti, Federica, Fano, Elisa Anna, Gissi, Elena (2018). Fine-scale analysis of urban flooding reduction from green infrastructure: An ecosystem services approach for the management of water flows. ECOLOGICAL MODELLING, vol. 386, p. 1-10, ISSN: 0304-3800, doi: 10.1016/j.ecolmodel.2018.08.002;

Eugenio Morello, Francesco Musco, Nicola Colaninno, Filippo Magni, **Denis Maragno** (2018). Per una governance climatica della città metropolitana Milano: ricognizione del contesto, costruzione di conoscenza e proposte operative. URBANISTICA, vol. 162, p. 137-147, ISSN: 0042-1022

Maragno, Denis, Pica, Klarissa (2020). Towards a climate proof redevelopment of Naples waterfront. UPLAND, vol. 4, p. 101-112, ISSN: 2531-9906, doi: 10.6092/2531-9906/6614

Maragno, Denis (2019). La gestione dei dati satellitari a supporto dell pianificazione climate proof: le Esperienze di Reggio Emilia e Rovigo. URBANISTICA INFORMAZIONI, p. 115-117, ISSN: 0392-5005

Denis Maragno (2018). Ict, resilienza e pianificazione urbanistica : per adattare le città al clima. URBANISTICA, vol. 211, MILANO:FrancoAngeli, ISBN: 9788891781260

As part of his research and experimentation activities, he regularly participates in national conferences and study days promoted by SIU Società Italiana degli Urbanisti and INU Istituto Nazionale di Urbanistica.

On a European and international level, he actively participates in the meetings and annual conferences promoted by AESOP Association of European Schools of Planning.

Other activities (main awards received, parttime positions in international academic organizations, major oral presentations at international academic conferences, etc.)

(Please provide scanned certificates or relative documents if

possible)

For AESOP Association of European Schools of Planning, he was a Member of the scientific coordination and organizer of the LOC Local Organising Committee for the International Conference of AESOP (Association of European Schools of Planning) in July 2019 Venice. He edited, together with the other members of the Local Committee, the scientific program of the international conference attended by over 1000 representatives of European and international Schools of Urbanism and Planning.

oral presentations at international academic conferences, etc.)

(Please provide canned certificates or international academic conferences or international academic conferences, etc.)

SELECTED PRESENTATIONS (total 31)

1. Speaker at the international conference AESOP 2022 Congress 'Space for Species: Redefining Spatial Justice', in Tartu, Estonia

Talk title: Between opportunity and cooperation: the new governance model for Maritime Spatial Planning (MSP) in Italy

On 28-07-2022

2. Speaker at the XXIV SIU national conference, Giving value to values in urban planning, Brescia 23 and 24 June 2022

Talk title: Between opportunity and cooperation: the new governance model for Maritime Spatial Planning (MSP in Italy)

23 and 24-06-2022

3. Speaker at the XXIV SIU national conference, Giving value to values in urban planning, Brescia 23 and 24 June 2022

Keynote speech: Spatial assessment in support of climate change adaptation and mitigation policies: a multi-criteria approach

23 and 24-06-2022

4. Invited speaker at the Seminar organised by CReIAMO PA "The public management of adaptation to climate change at local scale", within the Summer School for PA, Genoa, 22 June

Title: The new Italian Maritime Spatial Plan.

Date: 22/06/2022

5. Organiser and scientific coordinator of the seminar UrbanPromo Digital 2021 "DIGITAL TECHNOLOGIES AS ENABLING FACTORS FOR URBAN GOVERNANCE", Milan.

The event investigated the role of digital technologies as tools to support municipal and metropolitan administrations in improving their decision-making processes, enhancing the quality of urban governance in key thematic areas such as sustainability, resilience, and social inclusion in a multilevel, multi-sector, and multi-actor collaboration perspective.

Participation of Local Authorities such as Agency for Cohesion, Metropolitan City of Venice, Metropolitan City of Milan, Municipality of Milan, Municipality of Florence, Municipality of Messina, Municipality of Modena, Municipality of Catania, Municipality of Rovigo.

Organisation and management: Denis Maragno, Iuav and Giordana Castelli, CNR-DIITET in collaboration with Michele Talia, INU

Date: 18-11-2021

6. Invited speaker at the Seminar "THE SEA AS A SPACE OF INTERDISCIPLINARY CREATION AND INTERNATIONAL PLANNING", as part of the first day of the Blue Economy Summit, Genoa.

Title: The new Italian maritime space plan.

Date: 14/10/2021

 Organiser and scientific coordinator of the "Spatial planning-oriented digitalization" session at UrbanPromo Green, 2021, Venice.

The Seminar was developed concerning two considerations:

The first was inherent to using new information deposits linked to satellite data and the European Copernicus program, observing the possible knowledge inertia linked to new services, especially in the valorization of ecosystem services and land consumption.

The second is mainly related to the study and use of large information flows (Big Data) attributable to the growing 'intelligence' of fixed and digital components. More specifically, this second phase stimulates the promotion of intelligent technologies at the service of the city (Smart Technologies), recognizable in recent local experiments defined as 'Urban Digital Centres'. These are environments dedicated to training and information, digital acculturation, and co-designing, operating in a participatory context-oriented towards urban quality and local development objectives.

Date: 16/09/2021

8. Invited speaker at the Seminar promoted by Padiglione Italia, "Resilient Communities" at the Venice Architecture Biennale 2021, "Sea as a common horizon: an approach to the coast as active heritage and collaborative environment".

Title of the speech: The directive "Maritime Spatial Planning and the new Italian Maritime Spatial Plan".

On 04-08-2021

9. Speaker at the Seminar XII International Day of INU Studies, Wellbeing and/or Health 90 years of studies, policies, plans, Naples 18 December 2020

Keynote speech: Implementing Green Infrastructure and Ecosystem Services in planning documents: an example from Sweden

18-12-2020

10. Invited speaker at the workshop organized by INU - URBIT on the occasion of Urban Promo Progetti per il Paese 2020, Milan, 17-20 November 2020

Title of the speech: New urban issues and information technologies: vulnerabilities from climate impacts in the Milan area

https://urbanpromo.it/2020/eventi/la-citta-digitale/from 20-11-2020 to 20-11-2020;

- 11. Invited speaker at the ASITA Conference, Italian Federation of Scientific Associations for Spatial and Environmental Information, PLENARY SESSION 14 NOVEMBER 2019 Urban metabolism, Talk title: **Consumption analysis of the City of Padua at a neighborhood scale**. 12-11-2019 to 14-11-2019;
- 12. Organiser and coordinator of the "Smart city: new needs and value-producing technologies" session at Urban Promo Green, 2019, Venice.

Within the Seminar, the topic of ICT was approached from the perspective of local valorization, in which technological tools become enabling tools to support local solutions and options for broader strategies and, therefore, capable of increasing the effectiveness of territorial government activities, improving the quality of life and creating new job opportunities. https://urbanpromo.it/2019/eventi/smart-city-nuove-esigenze-e-nuove-tecnologie-produttrici-divalore/

19-09-2019;

13. Speaker at the AESOP 2019 Conference "Planning for Transition", Venice 9-13 July. Session SP38.01: Maritime Spatial Planning (MSP) in Europe: Challenges in Transition

Talk title: MARITIME SPATIAL PLANNING IN ACTION: A MULTI-LEVEL AND MULTI-SCALE APPROACH FOR THE TUSCANY ARCHIPELAGO, ITALY

10-07-2019 to 10-07-2019;

14. Speaker at the CeNSU International Annual Symposium - Naples 03 May 2019 **Title of intervention: Towards a climate-proof redevelopment of the Naples waterfront** 03-05-2019 to 03-05-2019;

15. Speaker at the Seminar - XI INU Study Day - Interruptions, Intersections, Sharing, Overlaps. Naples, 14 December 2018

Talk title: Satellite data for the analysis of the urban heat island phenomenon and mitigation measures: the case of the City of Milan

14-12-2018 to 15-12-2018;

Speaker at the Seminar - XI INU Study Day - Interruptions, Intersections, Sharing, Overlaps.
 Naples, 14 December 2018

Talk title: VenetoAdapt. An experience of convergence between climate change adaptation and risk reduction.

14-12-2018 to 15-12-2018

Speaker at the Seminar - XI INU Study Day - Interruptions, Intersections, Sharing, Overlaps.
 Naples, 14 December 2018

Talk title: Heat waves and urban resilience: a methodological proposal for the vulnerability assessment of the Metropolitan City of Milan for each ISTAT census section

14-12-2018 to 15-12-2018

18. Invited speaker at the seminar "Derris. Climate change. Let's reduce the risks". Padua, 18 June 2018.

Talk title:

- 1 The impacts of climate change for Padua: heat islands.
- **2** What impacts of climate change on Padua? Vulnerability analysis as a working tool 18-06-2018 to 18-06-2018
- 19. Speaker and scientific coordinator of the national workshop "Maritime Spatial Planning" promoted by the European Commission DG Mare, Ministry of Infrastructure and Transport (MIT), CORILA, Iuav University of Venice, CNR, INU (Community Climate Adaptation and Maritime Spatial Planning), Municipality of Orbetello. The workshop aims to implement the Tyrrhenian Sea and Tuscany of Legislative Decree 201 of 10/2016 that introduced Sea Spatial Planning in Italy. from 27-03-2018 to 27-03-2018

In Mes

Venezia 25/03/2023