

Prof. Maurizio Carta, University of Palermo

Full professor of urbanism and regional planning at the Department of Architecture of the University of Palermo. He is President of the Polytechnic School of the same University and Deputy Rector at the territorial development and responsible for the University of Palermo in the Sustainable University Network of the CRUI (Conference of Italian Rectors). Until October 2015 he was the coordinator of the BA in "Urbanism, regional and landscape planning" and of the MSC in "Urban and Regional Planning".

Architect and PhD in urbanism and regional planning, senior expert in urban and regional planning, strategic planning and local development. He researches and teaches about urban regeneration, policy of cultural heritage valorization and strategic planning for sustainable development. He was Visiting Scholar at the Columbia University of New York, at the Institut d'Urbanisme de Paris and at London School of Economics and he was visiting professor or keynote speaker in several universities and institutions (Milan, Rome, Florence, Naples, Turin, Genova, Venice, New York, London, Paris, Newcastle, Dortmund, Madrid, Praha, Beijing, Barcelona, Valencia).

From 2009 to 2011 he was Town Councillor of the Municipality of Palermo for Old Town Regeneration and Strategic Plan.

He is member of *Italian Society of Urbanism* (SIU) Steering Committee (2000-03 and 2014 to now), member of *Italian Institute of Urbanism* (INU) Steering Committee (2014 to now) and member of *Urban Academy* (AU) Steering Committee (2013 to now). He is member of the Scientific Committee of the international review *TRIA. Rivista internazionale di cultura urbanistica* (Università Degli Studi Di Napoli Federico II). He is member of the Editorial Board of the international review *Monograph.it* (ListLab Laboratorio Internazionale di Strategie Editoriali, Trento-Barcelona). He is member of the Editorial Board of the international review *EWT/ EcoWebTown*. He is member of the Scientific Committee of the international review *Portus Plus* Six-monthly online review of RETE.

His expertise on strategic planning, urbanism, urban regeneration and local development led to be advisor and scientific consultant of several plans and projects, among them: Provincial Structural Plan of Agrigento; Provincial Structural Plan of Palermo; Landscape Plan of "Particiniese, Corleonese and Monti Sicani"; Masterplan of Central Waterfront and former railway stations "Sampolo e Lolli-Notarbartolo" in Palermo; Sustainable Mobility Plan of Provincia di Catania; Masterplan and Land Use Plan of the Palermo Port; Large-scale Strategic Plan of "Nord Barese-Ofantino"; Risk Map and Guidelines for the waterfronts of Catania, Messina, Palermo, Siracusa and Trapani; Strategies and guidelines for the Regional Landscape Plan; Structural and strategic plan of the Provincia di Potenza; Large-scale Strategic Plan of the Provincia di Palermo; Large-scale Strategic Plan of the Provincia di Siracusa; Metropolitan Strategic Plan of Palermo.

He is author of several publications, among the most recent: *Creative City* (List, 2007), *Governare l'evoluzione* (Franco Angeli, 2009), *Reimagining Urbanism* (ListLab, 2014), *Urban Hyper-Metabolism* (with B. Lino, Aracne, 2015), *The Fluid City Paradigm* (with D. Ronsivalle, Springer, 2016), *Territories. Rural-urban Strategies* (with J. Schroeder et

al., Jovis, 2017), *Augmented City. A Paradigm Shift* (ListLab, 2017).

Its activity is developed in the constant integration between teaching, scientific research and experimental activity, focusing around the cultural and creative dimension of development, ecological sustainability and strategic planning. Over the years he has developed a personal, and internationally recognized approach to urban and regional planning that takes as its aim the project the quality of life of local communities in the balance democratic freedoms and initiatives, promoting, nurturing and shaping the pursuit creative happiness and well-being of the people by enhancing the identity of places.

He was a consultant to the Ministry of Infrastructure to prepare the National Strategic Framework and the Project Italy 2020 dealing with the general plan of infrastructure and urban systems for the competitiveness of the national economy. His work on the infrastructure platform in Western Sicily was awarded the 2012 Urban INU.

He is the Italian theorist of the creative city, on which he published the book "Creative City. Dynamics, Innovations, Actions" (Trento-Barcelona, ListLab, 2007) in which it is proposed a manifesto for the "second generation" creative cities, based on 3C: Culture, Communication and Cooperation. The scenario of the global crisis has led to the identification of a third-generation and elaboration of the paradigm of the "creative city 3.0", capable of generating new city and new cycles of life more creative, intelligent and sustainable eco-system, able to act as a driver of new urban policies to overcome the crisis. The book was presented at the Forum for Creative Europe, held in Prague in March 2009 as the first official event of the European Year of Creativity and Innovation. He is one of the signatories of the "Manifesto for Culture" promoted by Italian business newspaper "Il Sole 24 Ore".

On the themes of the waterfront regeneration he has developed some innovative methods and urban design experiments, which began in 2005 and synthesized in 2013 in the "paradigm of the fluid city", proposed as part of a project of international cooperation between Italy and Malta, and applied in the masterplan for the regeneration of Palermo waterfront. In 2015 the International Biennial of Architecture in Buenos Aires, he was awarded the prize for "academic investigation" for his studies on urban regeneration and creativity.

With the book "Reimagining Urbanism" (Trento-Barcelona, ListLab, 2014) he has investigated and interpreted the challenges of cities in the age of metamorphosis not only as a powerful attractor of population, but also as a responsible subject of a new relationship with the suburban and rural areas, as activators of powerful creative eco-systems based on new digital/physical citymakers. The book proposes a urbanism capable of producing resources for a new urban metabolism that can be reconciled with environmental protection, with the reduction of consumption, with the consolidation of the welfare state, as well as the promotion of innovative startups can stimulate the intelligence and creativity, to extend urban agriculture and recycling, to manage climate adaptation and energy efficiency of the city of the future.

He is the responsible of the "Smart Planning Lab", an applied research laboratory in advanced planning for smart cities and sociale innovation aimed to improve the

smartness of cities and communities and for elaborating innovative planning tools. The Smart Planning Lab is an operational tool that integrates applied research, communication and education in the i-NEXT Project (Innovation for green Energy and eXchange in Transportation), funded by the Italian Operative Program "Research and Competitiveness". The issues of sustainable mobility, energy and technological innovation for urban governance are analyzed and tested as integrated subjects for a "smart city" that is not only injection technologies of the city but it is mainly a result of the renewed link between the city and citizens. The city, therefore, eats the renewed interest in the vision "metabolic" of the city, the support that technology can make to the sustainable development of cities, the relevance of the experimental contribution of the University of Palermo to urban development policies. In 2016 he was awarded as the first of the 10 World's Best Smart City Urban Planners.

MOST RECENT APPLIED RESEARCHES

2011 – Scientific responsabile of the Project of international collaboration Italia-Malta 2011-13 "WATERFRONT. Water And Territorial policiEs for integRation oF multisectoRial develOpmeNT" on strategies and projects for the regeneration of urban waterfronts that have abandoned their port operations and production, funded by UE following a competitive call.

2011 - Scientific coordinator of a research project entitled "I waterfront urbani come generatori di qualità: strategie e progetto urbano. Casi di studio in Sicilia", funded by the University of Palermo

2011 - Scientific coordinator of a research project entitled "Atlante Sicilia: città, territori e paesaggi. Nodi e reti per un nuovo modello di sviluppo", funded by the University of Palermo and by Banco di Sicilia Foundation

2011 - Responsible for the operational unit of Palermo as part of the PRIN 2010 dal titolo RE-CYCLE ITALY. Nuovi cicli di vita per le città, i territori e i paesaggi, coordinated by IUAV.

2012 - Scientific coordinator of a research project entitled "TERRITORI-SNODO E FASCI INFRASTRUTTURALI. Atlante delle interconnessioni strategiche tra competitività dei trasporti e qualità delle trasformazioni urbane e territoriali nella Piattaforma Meridiana", funded by the University of Palermo.

2013 - Scientific coordinator and responsible of the "Smart Planning Lab" in the field of the PON Smart City and Communities tiled "i-NEXT: Innovation for green Energy and eXchange in Transportation", funded by Italian Ministry of Education, University and Research following a competitive call.

2013 - Scientific coordinator and responsible of the Project "Polo Universitario di Ricerca di Bivona e Santo Stefano Quisquina per l'Energia, l'Ambiente e le Risorse del Territorio" and responsabile of the Local Development Laboratory, funded by Regione Siciliana.

2014 - Scientific coordinator for Italian partnership of international cooperation project

Italia-Tunisia "DOREMIHE, Doctorat de Recherche pour la Mise en Valeur de l'Heritage Culturel et Naturel", funded by UE following a competitive call.

MOST RECENT PUBLICATIONS:

Volumes

- M. Carta, *Reimagining Urbanism. Creative, Smart and Green Cities for the Changing Times*, Trento-Barcelona, ListLab, 2014.
- M. Carta, B. Lino, (a cura di), *Urban Hyper-Metabolism*, Roma, Aracne, 2015.
- M. Carta, D. Ronsivalle, *Territori interni*, Roma, Aracne, 2016.
- M. Carta, D. Ronsivalle (eds.), *The Fluid City Paradigm. Waterfront Regeneration as an Urban Renewal Strategy*, Berlin, Springer, 2016.
- M. Carta, ed. *Patrimoine et Créativité. Une alliance pour le développement durable*, Barcelona-Trento, Listlab, 2016.
- M. Carta, B. Lino, D. Ronsivalle, eds. *Re-cyclical Urbanism. Visioni, paradigmi e progetti per la metamorfosi circolare*, Barcelona-Trento, Listlab, 2016.
- J. Schroeder, M. Carta et al. (eds.), *Territories. Rural-urban Strategies*, Berlin, Jovis, 2017.
- M. Carta, *Augmented City. A Paradigm Shift*, Trento-Barcelona, ListLab, 2017.

Articles

- M. Carta, "Creative Cities in Italy: new scenarios and projects", in *Journal of Urban Planning International*, n. 3, 2012.
- M. Carta, "Palermo Waterfront: the "fluid city" planning", in *Portus*, n. 24, 2012, pp. 88-95.
- M. Carta, "Waterfronts between Sicily and Malta: an integrated and creative planning approach", in *PortusPlus*, n. 3, 2012, pp.1-9 (ISSN 2039-6422)
- M. Carta, "Open Urbanism. Progettare città senzienti e dialogiche", in *Opere*, n.34, 2013, pp.88-93 (ISSN 1723-1906).
- M. Carta, "Re-think, Re-load, Re-cycle: Mediterranean Urban Metamorphosis", in *Le Carré Bleu*, n. 3, 2013 (ENG-FRA-ITA).
- M. Carta, "Progettare città nel tempo della metamorfosi", in *Monograph Research*, n.5, 2013, pp. 200-03 (ISSN: 2279-6886).
- V. Provenzano, M. Carta, M. Arnone, "EUROPE 2020 SI-LAB: A New Center for Economic and Social Development in Sicily", in *New Metropolitan Perspectives. The Integrated Approach of Urban Sustainable Development. ADVANCED ENGINEERING FORUM*, 2014, p. 47-52, (ISSN: 2234-991X).
- M. Carta, *Smart Planing for Intelligent Cities: the Open Source Paradigm*, Barcelona, laac bits, 3.2.3, 2015.
- E. Riva Sanseverino, G. Scaccianoce, V. Vaccaro, M. Carta, R. Riva Sanseverino, "Smart Cities and Municipal Building Regulation for Energy Efficiency", in *International Journal of Agricultural and Environmental Information Systems*, 6(4), 56-82, October-December 2015.

Paper in volumes

- M. Carta, "Città liquide, città creative", in C. Fallanca De Blasio (a cura di), *Le città del Mediterraneo*. Atti del IV Forum Internazionale di Studi, Reggio Calabria, Iiriti Editore, 2010, pp. 57-62.

- M. Carta, "Dal waterfront alla città liquida", in M. Savino (a cura di), *Waterfront d'Italia. Piani, politiche, progetti*, Milano, FrancoAngeli, 2010, pp. 28-35.
- M. Carta, "Città creativa 3.0. Rigenerazione urbana e politiche di valorizzazione delle armature culturali", in M. Cammelli, P.A. Valentino (a cura di), *Citymorphosis. Politiche culturali per città che cambiano*, Firenze, Giunti, 2011, pp. 213-22.
- M. Carta, "La città liquida: il waterfront come generatore di creatività urbana", in Ricci M., Gausa M., *MED.NET.REP.0.1. Report Convegno "med.net.it"*, Trento-Barcelona, LIStLab Laboratorio internazionale editoriale, 2012, pp- 126-131.
- M. Carta, "Creative City 3.0: smart cities for the urban age", in A. Vergano, A. Caruana (eds.), *Smart Planning for Europe's Gateway Cities. Connecting Peoples, Economies and Places*, Proceedings of IX Biennial of European Towns and Town Planners (Genova 14-17 september 2011), Roma, Inu Edizioni, 2012 (cd-rom, ISBN 978-88-7603-060-4)
- M. Carta, "Dal waterfront alla città liquida. Patologie relazionali e nuovi orizzonti del progetto", in G. De Luca, V. Lingua (a cura di), *Arcipelago Mediterraneo. Strategie di riqualificazione e sviluppo nelle città-porto delle isole*, Firenze, Alinea, 2012, pp.27-40 (ISBN 978-88-6055-705-6).
- M. Carta, "The Fluid City Paradigm", in M. Carta (ed.), *Waterfront Atlas. Visions, paradigms, policies and integrated Projects for the Sicilian and Maltese Waterfronts*, Palermo, DARCH, 2013 (ITA- ENG, ISBN: 9788890484919).
- M. Carta, "The "Waterfront Theorem": an integrated and creative planning approach", in M. Carta (ed.), *Waterfront Atlas. Visions, paradigms, policies and integrated Projects for the Sicilian and Maltese Waterfronts*, Palermo, DARCH, 2013 (ITA- ENG, ISBN: 9788890484919).
- M. Carta, "From Waterfront Regeneration to Fluid City Planning", in Aa.Vv., *Regenerating Maltese and Sicilian Waterfronts. Perspectives from Two Mediterranean Islands*, La Valletta, University of Malta, 2013 (ISBN: 9789990959055).
- M. Carta, "Planning in the Re-cycle Age", in S. Marini e V. Santangelo (a cura di), *Nuovi cicli di vita per architetture e infrastrutture della città e del paesaggio*, Roma, Aracne, 2013 (ISBN: 978-88-548-6267-8).
- M. Carta, "Creative Cities in Italy: New Scenarios and Projects", in Kunzmann Klaus R. (a cura di), *Creative Cities in Practice. European and Asian Perspectives*, Wqbook, 2013, p. 229-241 (ISBN 978-7-302-32519-2).
- M. Carta, "Re-cycle: molecolare/sistemico", in Sara Marini, Sissi Cesira Roselli (a cura di), *Re-cycle Op_positions II*, Roma, Aracne, 2014, p. 13-17 (ISBN: 978-88-548-7240-0).
- M. Carta, "Re-imagine, Re-load, Re-cycle: New Urbanism for the City of Future", in Alexandru Calcatinge (a cura di), *Critical Speces. Contemporary Perspectives in Urban, Spatial and Landscape Studies*, Zurich, LIT, 2014, p. 131-146 (ISBN: 978-3-643-90495-9).
- M. Carta, "Smart Planning and Intelligent Cities: A New Cambrian Explosion", in Riva Sanseverino E., Riva Sanseverino R., Vaccaro V., Zizzo G. (a cura di) *Smart Rules for Smart Cities. Managing Efficient Cities in Euro-Mediterranean Countries*. Springer, 2014, p. 123-132 (ISBN: 978-3-319-06421-5).
- M. Carta, "La città liquida. Il waterfront come generatore di creatività urbana", in Canessa, N; Marengo, M; Nan, E (a cura di), *AUM.01 Atlante Urbano Mediterraneo*, Trento, ListLab, 2014, pp. 142-149, (ISBN 9788895623979).

- Carta M., “Per un approccio creativo, empatico e sostenibile allo sviluppo: il ruolo degli urbanisti nel tempo delle metamorfosi”, in Franceschini, A (a cura di), *Sulla città futura. Verso un progetto ecologico*, Treno, ListLab, 2014, pp. 15-28.
- Carta M., “Re-imagining the city. Progettare il nuovo metabolismo urbano”, in E. Zazzero, *EcoQuartieri. Temi per il progetto urbano sostenibile*, Sant’Arcangelo di Romagna, Maggioli, 2014, pp. 46-49 (ISBN 9788891609113).
- M. Carta, “Creative City 3.0”, in L. Basso Peressut, G. Bosoni, P. Salvadeo (a cura di), *Mettere in scena. Mettere in mostra*, Siracusa, LetteraVentidue, pp. 49-59 (ISBN 9788862421225).
- M. Carta, “Re-cycling Urbanism nell’era circolare”, in M. Carta, B. Lino, (a cura di), *Urban Hyper-Metabolism*, Roma, Aracne, 2015, pp. 29-47 (ISBN: 978-88-548-8654-4).
- M. Carta, “Iper-strategie del riciclo: Cityforming Protocol”, in M. Carta, B. Lino, (a cura di), *Urban Hyper-Metabolism*, Roma, Aracne, 2015, pp. 157-169 (ISBN: 978-88-548-8654-4).