

Mariana Birche

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EDUCATION

- 2020 **PhD - Architecture and Urbanism**
National University of La Plata, UNLP - ARG.
Thesis: The system of public spaces as a structuring factor of the quality of the landscape and the urban environment.
- 2015- 16 **Master's Degree in Landscape, Environment and City**
National University of La Plata, UNLP - ARG. Thesis pending
- 2014 **Architect**
National University of La Plata, UNLP - ARG.

WORK EXPERIENCE

RESEARCH

- 2022-24 **Researcher** - tenured research position
National Council for Scientific and Technical Research, CONICET - ARG
- Secured independent funding for my research project, including grant application, proposal writing, and budget management.
 - Supervised undergraduate/graduate students.
 - Design and conduct participatory surveys and workshops to collect user data in public spaces.
- 2020-24 **Postdoctoral Fellowship**
National Council for Scientific and Technical Research, CONICET - ARG
- Designed and developed a web-based interactive map with JavaScript and GeoJSON, enhancing data accessibility and visualization for the research project results.
 - Conducted user-centered research through surveys, interviews and spatial analysis to understand how people interact with urban spaces and landscapes.
 - Analyzed and visualized complex datasets using GIS and statistical tools.
- 2022 **Postdoctoral Research Stay**
Hochschule Osnabrück - GER
Faculty of Agricultural Sciences and Landscape Architecture.
- 2021 **Postdoctoral Research Stay**
University of Seville - ESP
Universitary Institute of Architecture and Construction Sciences.
- 2015-20 **Doctoral Fellowship**
National Council for Scientific and Technical Research - ARG
- Analyzed the interactions between public space, landscape, and environmental quality.
 - Analyzed urban development policies and their impact on social and environmental aspects.
 - Produced research outputs for journals and conferences.
- 2012-13 **Training in Research Fellowship**
National University of La Plata - ARG

TEACHING

- 2025 **Guest Lecturer - Urban project**
Argentine Business University - ARG
- 2022 **Guest Lecturer - Mittwochabends**
Fakultät Agrarwissenschaften und Landschaftsarchitektur, Hochschule Osnabrück - GER
- 2021-22 **Assistant Professor - Department of Urban and Regional Planning**
School of Engineering, National University of La Plata - ARG
- 2020-14 **Ad Hoc Teaching Assistant - Department of Theories and Territorial Planning**
School of Architecture, National University of La Plata - ARG
- 2019-18 **Associate Professor - Department of Design of Green Spaces and Landscape**
School of Design and Communication, Eastern University - ARG

URBAN PLANNING & CONSULTING

- 2023 **Landscape project and forestry plan for Baradero Street in Ensenada**
Client: Puerto La Plata, ARG - Project Architect
- 2022-20 **Urban planning for fifty districts of Buenos Aires**
Client: Buenos Aires Province
- Lead projects and oversaw GIS technical operations.
 - Trained and advised team members on GIS software and spatial analysis methods.
 - Reviewed and approved technical reports.
- 2019 **Technical Assistance for Land Distribution in San Patricio del Chañar**
Client: Municipality of San Patricio del Chañar - Architect, Technical Team Member
- 2018 **Master plan and update of the Building Code for San Patricio del Chañar**
Client: Municipality of San Patricio del Chañar - Coordination of GIS tasks
- 2017 **Master plan for Fernández Oro, Rio Negro**
Client: Municipality of Fernández Oro - Coordination of GIS tasks
- Sustainable Urban Park in Colón, Buenos Aires**
Client: National Directorate of Municipal Pre-investment, ARG - Architect, Project Team Member
- 2016 **Bolívar Project: Imagine the Park**
National Ideas Competition, ARG - Second Prize, Project Team Member

PUBLICATIONS IN PEER REVIEWED JOURNALS

Below is a selection of my publications, most of which were originally published in Spanish. For clarity, I have provided the titles in English, while others retain their original titles in English.

- 2024 **Birche, M. & Varela, L. Assessing the Design of Public Spaces: The Case of Camino Parque Centenario and Camino General Belgrano in La Plata.**
Revista Estudios Socioterritoriales (Argentina). Indexed in Web of Science (ESCI), DOAJ, QUALIS, REDIB, Scielo Argentina and Argentina's National Basic Core of Scientific Journals - Level 1.
DOI: <https://doi.org/10.37838/unicen/est.35-2-106>
- 2023 **Cortizo D.; Frediani J. & Birche, M. Land Use Planning in the Province of Buenos Aires: Methodological Approaches to Building Municipal Urban Codes.**
Revista Posición (Argentina).
DOI: <https://posicion-inigeo.unlu.edu.ar/posicion/article/view/182>

- 2022 **Birche, M.** The urban trees in public space and landscape of La Plata, Argentina.
Revista de Arquitectura (Colombia). Indexed in Web of Science (ESCI), DOAJ; EBSCO; ProQuest; REDALYC; REDIB; LATINDEX; Dialnet.
 DOI: <https://doi.org/10.14718/revarq.2022.24.3465>
- Jensen, K. & Birche, M.** The peri-urban area of La Plata as an interface between the urban and rural landscape: foreign population, environmental fragility and urban dysfunctions.
Revista Universitaria de Geografía (Argentina). Indexed in DOAJ, Latindex.
https://www.scielo.org.ar/scielo.php?pid=S1852-42652022000200109&script=sci_abstract&tlng=en
- 2021 **Birche, M.** Quality and urban coverage of the Public Spaces System in La Plata. Analysis and proposals for its development from the landscape approach
Revista Estudios Socioterritoriales (Argentina). Indexed in QUALIS; DOAJ; LATINDEX; REDIB; Scielo; Argentina's National Basic Core of Scientific Journals - Level 1.
 DOI: <https://doi.org/10.37838/unicen/est.29-081>
- Birche, M.** Diagnosis of design and use of the pedestrian road space. Contributions from the landscape approach for the city of La Plata.
Revista Urbano (Chile). Indexed in Scopus; Web of Science (ESCI); SciELO Chile; DOAJ; ERIH Plus; Latindex Catalog; MIAR; REDIB; ROAD; Avery Index
 DOI: <https://doi.org/10.22320/07183607.2021.24.44.05>
- Cremaschi, M. E; Alessio, A.; Rodríguez Tarducci, R.; Jensen, K.; Birche, M.; Bilbao, P.; Ravella, O.** Methodological criteria for the urban integration of informal areas with high environmental vulnerability: The case of the Gran La Plata
Cartografías del Sur (Argentina)
 DOI: <https://doi.org/10.35428/cds.vi14.245>
- Birche, M.; Jensen K & Bilbao, P.** The city of 15 minutes and the public space as a key element for the design of the post-pandemic city.
Revista Quid 16 (Argentina). Indexed in ERIH PLUS, DOAJ, REDALYC, LATINDEX, and included in Argentina's National Basic Core of Scientific Journals: Level 1.
<https://publicaciones.sociales.uba.ar/index.php/quid16/article/view/6824>
- Birche M.; Tarducci, R.; Jensen, K.; Cremaschi, M. E.; Ravella, O.; Bilbao, P.** Towards new ways of thinking about the territory: A proposal for the development of La Plata.
Cuaderno Urbano (Argentina). Indexed in ERIH PLUS; REDALYC; DOAJ; LATINDEX; REDIB; DIALNET; Scielo and included in Argentina's National Basic Core of Scientific Journals: Level 1.
<https://www.redalyc.org/journal/3692/369269593002/>
- Rodríguez Tarducci, R.; Birche, M. & Cortizo, D.** Analysis of public space in an informal urbanization in Argentina confronting the pandemic.
Revista de Urbanismo (Chile). Indexed in Scopus; Web of Science (ESCI); SciELO Chile; DOAJ; ERIH Plus; Latindex Catalog; MIAR; REDIB; ROAD; Avery Index
 DOI: <https://doi.org/10.5354/0717-5051.2021.58512>
- Jensen, K. & Birche, M.** The community perception of urban space.
Revista Bitácora Urbano- Territorial (Colombia). Indexed in: Scopus; Web of Science (ESCI); Latindex; REDALyC; SciELO.
 DOI: <https://doi.org/10.15446/bitacora.v31n3.87796>

- 2020 **Birche, M.** The system of public spaces as a structuring factor of the quality of the landscape and the urban environment. The case of the city of La Plata.
PhD in Architecture, National University of La Plata. Graduated with the highest grade (10/10).
 DOI: <https://doi.org/10.35537/10915/105803> / <https://www.youtube.com/watch?v=RmBBSwG7nsQ>
- 2019 **Birche, M. & Jensen, K.** Strategies for urban and landscape integration in La Plata.
Revista Arquisur (Argentina). Indexed in DOAJ; Latindex; QUALIS; ARLA; SNRD; Avery Index.
<https://bibliotecavirtual.unl.edu.ar/publicaciones/index.php/ARQUISUR/article/view/7167>
- Birche, M. & Jensen, K.** Urban transformation in the periphery of La Plata.
Revista Bitácora Urbano- Territorial (Colombia). Indexed in: Scopus; Web of Science (ESCI); Latindex; REDALyC; SciELO.
 DOI: <https://doi.org/10.15446/bitacora.v29n3.70121>
 Video: <https://www.youtube.com/watch?v=oXLcK9N-0jg>
- Jensen, K. & Birche, M.** Levels of landscape fragility in the city of La Plata.
Revista Ciudad y Territorio (Spain). Indexed in: Scopus; Web of Science (ESCI); SCImago-SJR; ERIHPlus; Avery Index of Architecture Periodicals
<https://recyt.fecyt.es/index.php/CyTET/article/view/77594>
- Birche, M.; Ravella O. & Varela, L.** Confrontations and contributions on the public space's design in La Plata
Revista Investigación Joven. Indexed in: Latindex
<https://revistas.unlp.edu.ar/InvJov/article/view/6658>
- 2018 **Jensen, K. & Birche, M.** Reconfiguring the urban landscape of La Plata through a green network.
Journal of Urban and Landscape Planning (Romania). Indexed in Ulrich's Periodicals Directory, WorldCat, Central and Eastern European Online Library (CEEOL), Index Copernicus International, Directory of Research Journals Indexing (DRJI).
http://www.julpreview.ro/files/JULP7_3_2018-Jensen-Birche_p_29_36.pdf
- Birche, M. & Jensen, K.** Survey and cataloging of green spaces for public use in the city of La Plata, Argentina
Revista Urbano N° 37 (Chile). Indexed in: Scopus; Web of Science (ESCI); SciELO; EBSCO; REDALyC; Latindex (Catalog); DOAJ; DIALNET; REDIB; Avery Index of Architecture Periodicals.
 DOI: <https://doi.org/10.22320/07183607.2018.21.37.07>
- Birche, M. & Jensen, K.** The landscape in public space as a means of integration between the city and water
Revista de Urbanismo (Chile). Indexed in Scopus, Web of Science (ESCI), ERIH PLUS, SciELO Chile, DOAJ, Latindex-Catálogo, MIAR, REDIB, ROAD, Avery Index of Architectural Periodicals, ARLA.
 DOI: <https://doi.org/10.5354/0717-5051.2018.48835>
- Jensen, K. & Birche, M.** The recovery of environmental liabilities from the landscape project: The ecological route-stop.
Revista Geograficando (Argentina). Indexed in: Web of Science (ESCI), ERIH PLUS, DOAJ, Latindex-Catálogo, and part of Argentina's National Basic Core of Scientific Journals (Nivel 1).
 DOI: <https://doi.org/10.24215/2346898Xe044>
- 2017 **Jensen, K. & Birche, M.** Green space: key element in urban management
Revista Ciudades N° 115 (México). Indexed in: Latindex
- Jensen, K. & Birche, M.** Vulnerability to climate change: the floods.
Revista CIS (Chile). Indexed in: Latindex

CONFERENCE PROCEEDINGS

- 2020 **Birche, M., Cortizo, D. & Rodriguez, R.** Analysis of the role of public space in the context of the COVID-19 pandemic in La Plata
XVIII International Congress for Research in Urban Policies, Conflicts and Movements. Ibero-American Network, ESP. Available at:
<https://www.conflictosurbanos.org/wp-content/uploads/2020/12/EJE-6.pdf>
- 2019 **Birche, M., & Jensen, K.** New Urban Centralities in the Periphery of La Plata
XIII Conference on Sociology. National University of Buenos Aires, ARG.
Available at: <https://cdsa.aacademica.org/000-023/150.pdf>
- 2018 **Birche, M., & Jensen, K.** The landscape and form of expansion in the city of La Plata: guidelines and strategies for urban growth planning.
International Research Seminar in Urbanism. Polytechnic University of Catalonia, ESP
ISSN 2604-7756 - DOI 10.5821/siiu.9114 - Available at:
<https://upcommons.upc.edu/handle/2117/133876>
- 2014 **Birche, M., Jensen, K. & Varela, L.** The Landscape as a Factor of Integration: The Case of Greater La Plata
CoLCA Conference. National University of General Sarmiento. ISBN 978-987-33-6718-2.
Available at: <https://www.redcolca.org/wp-content/uploads/Libro-Resumenes-COLCA.pdf>
- Varela, L., Birche, M. & Jensen, K.** Remediating Environmental Liabilities: The Proposal of the Ecological Roadside Stop.
CoLCA Conference. National University of General Sarmiento. ISBN 978-987-33-6718-2.
Available at: <https://www.redcolca.org/wp-content/uploads/Libro-Resumenes-COLCA.pdf>
- Birche, M. & Varela, L.** The Landscape Theoretical-Conceptual Framework as a Key Integrator for the Design Development of the Ecological Roadside Stop in Brandsen.
The International Urban Planning and Environment Association – IUPEA. ISBN 978-950-34-1133-9
Available at: <http://sedici.unlp.edu.ar/handle/10915/53430>
- 2013 **Varela, L., Jensen, K. & Birche, M.** The Ecological Roadside Stop: La Posada
XXXI Meeting and XVII Congress *Habitar la Ciudad, Tiempo y Espacio*. ARQUISUR

E-BOOKS AND OTHER ACADEMIC CONTRIBUTIONS

- 2020 **Urban planning for fifty districts of Buenos Aires.** Federal Investment Council
[Author & Editor].
Available at: https://drive.google.com/file/d/1IYXonPszjzE3yx7WPtw4eB1eMh4I_fe/view
http://biblioteca.cfi.org.ar/wp-content/uploads/sites/2/2022/07/informe-final_15dic-1-1.pdf
- 2019 **Theories in the body of the project** National University of La Plata.
[Collaborator]. National University of La Plata. ISBN 978-987-86-2998-8.
Available at: https://issuu.com/taller7/docs/teorias_en_el_cuerpo_2019_12_02
- 2018 **Master Plan for San Patricio Argentina.** Federal Investment Council
[Author & Editor].
Available at: <https://www.behance.net/gallery/152657865/Land-Use-Plan-for-San-Patricio-Argentina>
<http://biblioteca.cfi.org.ar/documento/plan-de-ordenamiento-territorial-y-actualizacion-del-codigo-urbanismo-rural-y-de-edificacion-de-san-patricio-del-chanar-provincia-del-neuquen/>

- 2017 **Master Plan for Fernández Oro, Argentina.** Federal Investment Council
[Author & Editor].
Available at:
<https://www.behance.net/gallery/152672465/Land-Use-Plan-for-Fernandez-Oro-Argentina>
- 2013 **Collective construction of an urban planning process.** Karol, J.; Tauber, F. & Deluchi, D.
[Collaborator]. National University of La Plata.
Available at:
http://sedici.unlp.edu.ar/bitstream/handle/10915/86322/Documento_completo.pdf?sequence=1&isAllowed=y

CONFERENCES & COURSES

- 2024 **Web Map Development**
Cooperativa Cambalache - GIS School.
- 2021 **1st University-Business Conference Social management of heritage, landscape and tourism.** Real Alcázar Seville - University of Seville, ESP.
- 2020 **Insecurity, Violence and Public Space Governance**
National Autonomous University of Mexico, MEX — Center for Research and Advanced Studies in Social Anthropology (CIESAS)
- 2016 **Geographic Information System applied to territorial management**
National University of La Plata, ARG.
- 2013 **Seminar: Flood Risk Management**
National University of La Plata, ARG.
- 2012 **Ecological History of Ibero-America**
Instituto IGE, ARG.
- Theoretical Approaches to Social and Economic Geographic Space**
National University of La Plata, ARG.

ACADEMIC CONTRIBUTIONS AND MENTORSHIP

- 2020-25 **Reviewer for :**
- Revista Urbano (Chile)
ISSN: 0717-3997 & ISSN: 0718-3607 (online)
- Revista Bitácora Urbano Territorial (Colombia)
ISSN: 0124-7913 & ISSN: 2027-145X (online)
- 2021 **Jury member** for the Master's in Architecture and Sustainable Habitat - UNLP.
- 2023-24 **Co-Director**, Master's Thesis - *National University of La Plata*
Co-directed a Master's thesis on “Transformations in the Landscape of the Periphery of an Intermediate City”, providing guidance in research methodology and analysis.
- 2024 **Co-Director**, Undergraduate Training Grants - *National University of La Plata*
Co-directed two research training grants for undergraduate students, mentoring them in research.

ORGANIZATION OF SCIENTIFIC EVENTS

- 2018 Annual Meeting of the International Scientific Committee on Cultural Landscapes (ICOMOS) & International Federation of Landscape Architects (IFLA Américas)
Member of the Organising Committee
- 2014 UPE11 International Symposium - Driving Urban Transformations
International Urban Planning and Environment Association (IUPEA)
Member of the Organising Committee

UNIVERSITY OUTREACH AND COMMUNITY ENGAGEMENT PROJECTS

- 2020-23 Coordinator of participatory workshops
Project: Citizen participation in the design of road infrastructure
- 2020-21 Coordinator of participatory workshops
Project: Landscape Observatory in La Plata
- 2013 Participatory Urban Planning Process
National University of La Plata - Researcher and Facilitator (ad honorem)

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS & NGOS

- 2014-25 NGO - “Nuevo Ambiente”
Contributed to research and article writing for the Agenda Ambiental Editions 2014 and 2020.
- 2014-25 NGO-DNI “Defendamos Nuestra Identidad”
Active member, working on projects related to cultural identity and environmental advocacy.
- 2020 “Latin American Landscape Initiative (LALI)” – Research Node
Active Member
- 2017 “Red Argentina del Paisaje” – La Plata Node
Active Member

COMPUTER SKILLS

QGIS, R, Python, Autocad 2D & 3D, Sketch up, Adobe Photoshop, Adobe Illustrator, Adobe Indesign, Corel Draw, 3D Studio, V-Ray, Microsoft Office, HTML, CSS, Javascript.

LANGUAGES

Spanish (Native), English (Fluent), German (B2)