

Jose Manuel Diaz Sarachaga PhD, MBA, MRICS, PMP, LEED GA, ENV SP

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Web of Science profile: <https://www.webofscience.com/wos/author/record/I-3137-2019>

Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=57190426326>

Researchgate profile: https://www.researchgate.net/profile/Jose_Manuel_Diaz-Sarachaga

PROFILE SUMMARY:

Experienced practitioner (25+ year) in Construction, Project Management and Real Estate sectors leading multidisciplinary teams in diverse countries. Holder of outstanding international certifications in sustainability construction (LEED, ENVISION), project management (PMP) and Real Estate (MRICS). After completing his PhD in April 2017, his career is focused on Academia where he has taught in some Mexican and Spanish universities. Currently, he is researching in sustainable development where sustainability principles are applied to several fields inter alia, urban development, resilience, vulnerability, smart cities, construction, corporate social responsibility, and sustainability assessment.

EDUCATION:

Oct 2018 - July 2019. University of Cantabria (Spain)

Master in Education. Award date: 07/23/2019.

Oct 2018 - July 2019. Universidad Nacional Educación a Distancia (UNED) (Spain)

Master in Sustainability and Corporate Social Responsibility (CSR). Award date: 07/15/2019.

Nov 2014 - Apr 2017. University of Cantabria (Spain)

Ph.D. in Civil Engineering with mention as International PhD (Cum Laude). Award date: 04/12/2017.

Jan 2007 - Jul 2007. IESE Business School (Madrid, Spain).

PMD (Program for Management Development). Award date: 07/21/2007.

Oct 1996 - Jun 1997. University of Oviedo (Spain)

MBA (Master of Business Administration). Award date: 03/23/1998.

Oct 1986 - Jun 1992. University of Cantabria (Spain)

Ingeniero de Caminos, Canales y Puertos (Structural). Award date: 07/17/1992.

RESEARCH SECONDMENTS:

01/03/2025-30/06/2025: postdoctoral stay. **Hiroshima University (Japan).** Supervisor: Dr. Prof. Sharifi.

1/10/2024-31/12/2024: postdoctoral stay. **Universidad Politécnica Madrid (Spain).** Supervisor: Dr. Prof. Soria-Lara.

1/4/2024-31/7/2024: postdoctoral stay. **Chulalongkorn University (Thailand).** Supervisor: Dr. Prof. Sreshthaputra.

16/8/2023-24/11/2023: postdoctoral stay. **Universiti Sains Malaysia (Malaysia).** Supervisor: Dr. Theam Foo.

1/7/2016-30/9/2016: predoctoral stay. **Tecnologico of Monterrey (Mexico).** Supervisor: Dr. Prof. García Gonzalez.

1/08/2015-1/11/2015: predoctoral stay. **Taif University (KSA).** Supervisor: Dr. Alsulami.

JOURNAL PAPERS (H-index 14) (<https://www.webofscience.com/wos/author/record/I-3137-2019>)

- Diaz-Sarachaga, J.M. (2025). Developing an assessment governance framework for urban digital twins: Insights from smart cities. *Cities*, 156, 105558. <https://doi.org/10.1016/j.cities.2024.105558>
- Diaz-Sarachaga J.M., Longo Sarachaga J. (2024). Diagnosis on the implementation of the New Urban Agenda. *Global Sustainability*, 7(37), 1-17. <https://doi.org/10.1017/sus.2024.34>
- Diaz-Sarachaga, J.M. (2024). May Urban Digital Twins spur the New Urban Agenda? The Spanish Urban Agenda as case study. *Sustainable Cities and Society*, 114, 105778. <https://doi.org/10.1016/j.scs.2024.105778>
- Diaz-Sarachaga, J.M., & Sánchez-Cañete, F. J. M. (2024). Boosting the Spanish Urban Agenda through urban living labs: The case study of Madrid. *Sustainable Development*, 32(5), 5019-5030. <https://doi.org/10.1002/sd.2950>
- Diaz-Sarachaga, J.M., & Longo Sarachaga, J. (2024). Lights and shadows in the operationalization of sustainability through the 2030 Agenda in Spanish universities. *International Journal of Sustainability in Higher Education*, 25(3), 489-513. <https://doi.org/10.1108/IJSHE-08-2022-0277>
- Diaz-Sarachaga, J.M., & Ariza-Montes, A. (2022). The role of social entrepreneurship in the attainment of the sustainable development goals. *Journal of Business Research*, 152, 242-250. <https://doi.org/10.1016/j.jbusres.2022.07.061>
- Diaz-Sarachaga, J.M. (2022). Diseño de un cuestionario para la Evaluación de las competencias de los Docentes de Educación Secundaria (SEVADES). Aplicación a los centros de Educación Secundaria de Santander. *Educatio Siglo XXI*, 40(2), 93-116. <https://doi.org/10.6018/educatio.462111>
- Diaz-Sarachaga, J.M. (2021). Linking sustainable urban development with town planning through proximity trade. *European Journal of Sustainable Development*, 10(4), 121-130. <https://doi.org/10.14207/ejsd.2021.v10n4p121>
- Diaz-Sarachaga, J.M. (2021). Defining Social Hazards: an upward trend. *Academia Letters*, Article 2724. <https://doi.org/10.20935/AL2724>
- García-Peña, C., González-Medina, M., & Diaz-Sarachaga, J. M. (2021). Assessment of the Governance in the Frame of the 2030 Agenda. Evidence from 100 Spanish Cities. *Sustainability*, 13(10), 5519. <https://doi.org/10.3390/su13105519>
- Diaz-Sarachaga, J.M. (2021). Monetizing Impacts of Spanish Companies towards the Sustainable Development Goals. *Corporate Social Responsibility and Environmental Management*, 28(4), 1313-1323. <https://doi.org/10.1002/csr.2149>
- Diaz-Sarachaga, J.M. (2021). Shortcomings in reporting Contributions towards the Sustainable Development Goals. *Corporate Social Responsibility and Environmental Management*, 28(4), 1299-1312. <https://doi.org/10.1002/csr.2129>
- Diaz-Sarachaga, J.M. (2020). Combining participatory processes and the Sustainable Development Goals to revitalize a rural area in Cantabria (Spain). *Land*, 9(11), 412. <https://doi.org/10.3390/land9110412>

- Diaz-Sarachaga, J.M., & Jato-Espino, D. (2019). Analysis of vulnerability assessment frameworks and methodologies in urban areas. *Natural Hazards*, 100, 437-457. <https://doi.org/10.1007/s11069-019-03805-y>
- Diaz-Sarachaga, J.M. (2019). Analysis of the local agenda 21 in Madrid compared with other global actions in sustainable development. *International Journal of Environmental Research and Public Health*, 16(19), 3685. <https://doi.org/10.3390/ijerph16193685>
- Diaz-Sarachaga, J.M., & Jato-Espino, D. (2019). Do sustainable community rating systems address resilience? *Cities*, 93, 62-71. <https://doi.org/10.1016/j.cities.2019.04.018>
- Diaz-Sarachaga, J.M., & Jato-Espino, D. (2019). Development and application of a new Resilient, Sustainable, Safe and Inclusive Community Rating System (RESSICOM). *Journal of Cleaner Production*, 207, 971-979. <https://doi.org/10.1016/j.jclepro.2018.10.061>
- Guzmán-Sánchez, S., Jato-Espino, D., Lombillo, I., & Diaz-Sarachaga, J. M. (2018). Assessment of the contributions of different flat roof types to achieving sustainable development. *Building and Environment*, 141, 182-192. <https://doi.org/10.1016/j.buildenv.2018.05.063>
- Diaz-Sarachaga, J.M., Jato-Espino, D., & Castro-Fresno, D. (2018). Is the Sustainable Development Goals (SDG) index an adequate framework to measure the progress of the 2030 Agenda? *Sustainable Development*, 26(6), 663-671. <https://doi.org/10.1002/sd.1735>
- Diaz-Sarachaga, J.M., Jato-Espino, D., & Castro-Fresno, D. (2018). Evaluation of LEED for neighborhood development and Envision rating frameworks for their implementation in poorer countries. *Sustainability*, 10(2), 492. <https://doi.org/10.3390/su10020492>
- Diaz-Sarachaga, J.M., Jato-Espino, D., & Castro-Fresno, D. (2017). Application of the Sustainable Infrastructure Rating System for Developing Countries (SIRSDEC) to a case study. *Environmental Science and Policy*, 69, 73-80. <https://doi.org/10.1016/j.envsci.2016.12.011>
- Diaz-Sarachaga, J.M., Jato-Espino, D., & Castro-Fresno, D. (2017). Methodology for the development of a new Sustainable Infrastructure Rating System for Developing Countries (SIRSDEC). *Environmental Science and Policy*, 69, 65-72. <https://doi.org/10.1016/j.envsci.2016.12.010>
- Diaz-Sarachaga, J.M. (2017). La Certificación de la Sostenibilidad de las Infraestructuras en América Latina. *IC Ingeniería Civil*, 580, 28-31.
- Diaz-Sarachaga, J.M., Jato-Espino, D., Alsulami, B., & Castro-Fresno, D. (2016). Evaluation of existing sustainable infrastructure rating systems for their application in developing countries. *Ecological Indicators*, 71, 491-502. <https://doi.org/10.1016/j.ecolind.2016.07.033>

PAPERS IN INTERNATIONAL CONFERENCES:

- Diaz-Sarachaga, J.M. Smart Urban Governance: The Baseline for Governing Future Cities. **ICSC-CITIES 2024 (VII Ibero-American Congress of Smart Cities)**. November 12-14, 2024. San Carlos (Costa Rica).
- Diaz-Sarachaga, J.M. Urban Living Labs as Exponent of Co-Creation. **2nd Conference on Sustainability in Creative Industries**. November 7-9, 2023. Surabaya (Indonesia).
- Diaz-Sarachaga, J.M., Ariza-Montes, A. The role of Social Entrepreneurship in the Attainment of the Sustainable Development Goals. **ACIEK 2022**. June 28-30, 2022. Sevilla (Spain).
- Diaz-Sarachaga, J.M. Incorporación de la tecnología digital en el sector comercial español y su contribución al desarrollo urbano sostenible. **X CIOT 2021 10th International Congress for Spatial Planning**. November 17-19, 2021. Valencia (Spain).
- Diaz-Sarachaga, J.M. Linking sustainable urban development with town planning through proximity trade. **9th International Conference on Sustainable Development**. September 8-9, 2021. Rome (Italy).
- Diaz-Sarachaga, J.M. The contribution of Smart Cities to the achievement of the Sustainable Development Goal 11: Sustainable Cities and Communities. **XI International Greencities Congress**. September 30 to November 2, 2020. Malaga (Spain).
- Diaz-Sarachaga, J.M. Assessment of the contributions of Spanish Urban Agendas to achieving sustainable urban development. **8th International Conference on Sustainable Development**. September 21-22, 2020. New York (USA).
- Diaz-Sarachaga, J.M. Analysis of the Global Resilience Assessment Frameworks for the Urban Real. **5th International Conference on Sustainable Development**. April 17-21, 2019. Belgrade (Serbia).
- Diaz-Sarachaga, J.M. The effect of Sustainable Development Goals in Sustainable Infrastructure Rating Systems. **IV International Congress on Built Environment and Sustainable Development (2016 MACDES)**. November 21-25, 2016. Havana (Cuba).
- Diaz-Sarachaga, J.M. The role of sustainable infrastructure rating systems in urban development. **1st International Congress on Civil Engineering**. March 02-03, 2016. Madrid (Spain).

BOOK CHAPTERS:

- Diaz-Sarachaga, J.M. (2025). Smart Urban Governance: The Baseline for Governing Future Cities. In: Nesmachnow, S., Hernández Callejo, L. (eds) *Smart Cities. ICSC-CITIES 2024. Communications in Computer and Information Science*, vol 2394. Springer, Cham. https://doi.org/10.1007/978-3-031-85324-1_19
- Diaz-Sarachaga, J.M. (2025). Urban Living Labs as Exponent of Co-creation. In: Shtylla, S., Olivas, M.C., Sánchez, A., Maffei, A., Sassanelli, C. (eds). *Designing Futures*. SCI 2023. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-031-63061-3_3
- Diaz-Sarachaga, J.M. (2024). Integration of the Triple Helix Model in Sustainability Research. ISOSCAN as Case Study. In: Leal Filho, W., Salvia, A.L., Portela de Vasconcelos, C.R. (eds). *An Agenda for Sustainable Development Research*. World Sustainability Series. Springer, Cham. https://doi.org/10.1007/978-3-031-65909-6_28
- Diaz-Sarachaga, J.M. (2023). Application of the 2030 Agenda in the Principality of Asturias (Spain). In: Leal Filho, W., Dinis, M.A.P., Moggi, S., Price, E., Hope, A. (eds) *SDGs in the European Region. Implementing the UN Sustainable Development Goals – Regional Perspectives*. Springer, Cham. https://doi.org/10.1007/978-3-030-91261-1_51-1
- Diaz-Sarachaga, J.M. (2022). *Impacts of Social Hazards on Urban Sustainability*. In: Leal Filho, W., Azul, A.M., Doni, F., Salvia, A.L. (eds), *Handbook of Sustainability Science in the Future*, Springer, Cham. https://doi.org/10.1007/978-3-030-68074-9_17-1

- Diaz-Sarachaga, J.M. (2020). *Evaluación de la contribución de las Agendas Urbanas Españolas en el Desarrollo Sostenible de las ciudades*. In M.R. Alonso Ibañez (Ed.), **Las agendas urbanas y el gobierno de las ciudades**, Reus, Madrid. <https://dialnet.unirioja.es/servlet/articulo?codigo=7742428>

RESEARCH PROJECTS:

- **Principal investigator. Project PIE-2025-6** "Predicting social vulnerability in areas prone to natural disasters through Artificial Intelligence. The case study of the Spanish province of Valencia". 30/05/2025 - 29/05/2027 (**due date**).
- **Lead Researcher. Project MU-21-UP2021-030 13774398** "Development and application of a methodology for the promotion of Sustainable Development in Spanish cities through Urban Agenda implementation process". 01/01/2022 - 12/31/2024.
- **Researcher. Project PID2019-108120RB-C33** "Fractured Metropolis. Vulnerability, territorial rebalancing and institutionalization of integrated urban development strategies". Spain. 06/01/2020 - 05/31/2023.
- **Researcher. Project SV-PA-20-01** "Development of sustainability metrics for assessing the impact of local commerce on urban development planning in the Principality of Asturias". Spain. 02/21/2020 - 12/31/2020.
- **Researcher. Project EXP-00084916 / SNEO -20151181** "Artificial vision system to conduct traffic studies through the use of Remotely Piloted Aircraft System". Spain. 04/01/2017 - 06/30/2018.

MASTER & PHD THESIS:

- Supervisor of 18 Master's theses.
- **PhD. Supervisor:**
 - In Knowledge Management and Innovation. (2018). Thesis on "Transculturalidad como elemento significativo en la prevención de riesgos laborales: Una mirada al proyecto internacional del montaje de molinos en San Juan Sacatepéquez (Guatemala)". CECEL Siglo XXI (Mexico). Status: **completed**.
 - In Urban Planning. (2021). Thesis on "Diseño de un sistema integrado de indicadores de sostenibilidad para el ámbito de las viviendas urbanas en ciudades emergentes". UNAM (Mexico). Status: **completed**.
 - In Sustainable Development. (ongoing) Thesis on "La relación entre el desperdicio de alimentos y la sostenibilidad de las ciudades, una aproximación desde el estudio de caso de restaurantes con servicio a mesa en la ciudad de Bogotá". Universidad Loyola (Spain). Status: **ongoing**.

EDITORIAL POSITIONS:

- **Editorial Board Member.** *Discover Sustainability* (Springer ISSN 2662-9984). <https://www.springer.com/journal/43621/editors>
- **Editorial Board Member.** *Discover Cities* (Springer ISSN 3004-8311) <https://link.springer.com/journal/44327/editors>
- **Editorial Board Member.** *BMC Environmental Science* (Springer ISSN 3004-8710). <https://bmccenvsci.biomedcentral.com/about/editorial-board>
- **Editorial Board Member.** *Rural and Regional Development* (Sciepublish ISSN 2959-2100). <https://www.sciepublish.com/index/journals/editors/rrd/29.html>
- **Associate Editor.** *International Journal of Higher Education in Sustainability* (Emerald Publishing ISSN 1467-6370). https://www.emeraldgrouppublishing.com/journal/ijsh?distinct_id=%24device%3A1890ae9838086e-0e721aa7c92d47-4d193301-13c680-1890ae9838086f&_gl=1*a3p92*_ga*NDY4MTA3NjE0LjE2ODQxMDUyMjI.*_ga_45RWY1YP1V*MTY4OTQ1MTQyOC4yMi4wLjE2ODk0NTE0MjquMC4wLjA.*_ga=2.10497460.1026510036.1689425180-468107614.1688105222#editorial-team
- **Associate Editor.** *Handbook of Sustainability and Spirituality*. <https://meteor.springer.com/project/dashboard.jsf?id=2094&tab=About&mode=ReadPage&entity=15916>
- **Associate Editor.** *Handbook of Sustainability Science in the Future*. Springer Nature. <https://meteor.springer.com/project/dashboard.jsf?id=1159&tab=About&mode=ReadPage&entity=9127>
- **Associate Editor.** *SDGs in the European Region*. Springer Nature. <https://meteor.springer.com/project/dashboard.jsf?id=1287&tab=About&mode=ReadPage&entity=10221>
- **Associate Editor.** *Handbook of Sustainable Blue Economy*. Springer Nature. <https://meteor.springer.com/project/dashboard.jsf?id=1508&tab=About&mode=ReadPage&entity=11992>
- **Editorial Advisor.** *Natural Resources Forum* (Wiley ISSN 1477-8947). <https://onlinelibrary.wiley.com/page/journal/14778947/homepage/editorialboard.html>
- **Topical Advisory Panel Member.** *Sustainability* (MDPI ISSN 2071-1050). https://www.mdpi.com/journal/sustainability/topic_editors/culture_and_heritage
- **Reviewer Editor.** *Frontiers in Sustainable Cities* (Frontiers 2624-9634). <https://www.frontiersin.org/journals/sustainable-cities/editors>
- **Reviewer Board Member.** *Land* (MDPI ISSN 2073-445X). https://www.mdpi.com/journal/land/submission_reviewers
- **Reviewer Board Member.** *Infrastructures* (MDPI ISSN 2412-3811). https://www.mdpi.com/journal/infrastructures/submission_reviewers
- **Guest Editor.** Special Issue "Sustainability and Resilience in the Urban Realm". *Sustainability* (MDPI ISSN 2071-1050). https://www.mdpi.com/journal/sustainability/special_issues/resilience_urban
- **Guest Editor.** Special Issue "A New Approach of Future Sustainable Buildings after the Coronavirus Pandemic". *Sustainability* (MDPI ISSN 2071-1050). https://www.mdpi.com/journal/sustainability/special_issues/anafsb_sus
- **Awards by Publons as Top 1%** of reviewers in Environment and Ecology (2018, 2019) and Cross-Field (2019).
- **Peer reviewer** of more than 850 scientific articles submitted to JCR-indexed journals. <https://www.webofscience.com/wos/author/record/13137-2019>

PATENTS:

- **Patent. No 202432094.** Lozano Saiz, J.M.; Moreno Sánchez-Cañete, F.J., & Diaz-Sarachaga, J.M. (2024). *“Edificios Modulares a base de Paneles Prefabricados de Hormigón. Sistema Hard Box”*. Award date: 11/11/2024.
- **Patent. No 008847784-0001.** Moreno Sánchez-Cañete, F.J., Zabala Vidal, S., Povedano Soldevila, C., & Diaz-Sarachaga, J.M. (2022). *“Connector of hollow-core slabs”*. European Union Intellectual Property Office. Award date: 03/02/2022.

MISCELLANEOUS:

- **Research project evaluator** for Le Studium Loire Valley Institute for Advanced Studies (**France**), Université de Mons (**Belgium**), CONACYT (**Mexico**), CONCYTEC (**Peru**).
- **Co-director and lecturer** of a postgraduate program in Sustainability and Corporate Social Responsibility (150 hours) approved by the University of Oviedo (Spain) for the academic year 2019-2020/ 2020-2021.
- Member of the **European School of Sustainability of Sustainability Science and Research (ESSSR)**, an inter-university consortium with more than 50 institutions pursuing the coordination of sustainability science teaching and research, led by Hamburg University.
- Member of the **Sustainable Development Solutions Network (SDSN)**, a global initiative by the United Nations towards the Sustainable Development Goals.
- Member of the **Spanish Network for Sustainable Development (REDS-SDSN Spain)**, the branch of SDSN (Sustainable Development Solutions Network) in Spain.
- Member of the **Network for Education and Research on Peace and Sustainability (NERPS)**, an international network of educators, researchers, and practitioners collaborating towards the advancement of peaceful and sustainable cities amidst global challenges, powered by Hiroshima University.
- **Lecturer.** Introduction to the SDG 11: Sustainable Cities and Communities through Information & Communication Technologies. **World Sustainable Development Teaching Day.** 8/12/2020. https://dl4sd.org/pluginfile.php/36028/mod_page/content/29/E42%20%281%29.pdf
- **Teaching Innovation Project PINN-19-A-080.** Analysis of Sustainable Development Goals through Information and Communication Technologies systems. SDG11: Sustainable Cities and Communities. Faculty of Law at University of Oviedo. From 22/11/2019 to 12/12/2019.
- **Webinar presented. Sustainable Infrastructure Rating Systems in LATAM.** Knowledge of Platform on Environmentally Sustainable Infrastructure Construction in Latin America & the Caribbean (KPESIC). 29/03/2017. <https://www.kpesic.com/webinarios/la-certificacion-de-la-sostenibilidad-de-los-proyectos-de-infraestructuras-en-latinoamerica/>
- **Developer and Lecturer.** Distance learning course *“Sustainable Infrastructure: The certification of projects as an assistance tool”* from 1/06/2017 to 31/10/2017. Knowledge Platform on Environmentally Sustainable Infrastructure Construction in Latin America & the Caribbean (KPESIC) funded by the World Bank.
- **Scientific Committee Member.** 6th International Conference on Sustainable Development (ICSD 2018). 26-28/09/2018. Columbia University (New York).

PROFESSIONAL ACCREDITATIONS:

- **MRICS** Chartered Project Management Surveyor ID n° 5623380. Award date: 7/12/2011.
- **PMP** Project Management Professional ID n° 1468963. Award date: 16/11/2011.
- **LEED Green Associate** ID n° 10865181. Award date: 6/07/2015.
- **ENVISION SP** credential for the Institute for Sustainable Infrastructure. Award date: 18/12/2015

LANGUAGES:

- **Spanish.** Native. **English.** Fluent. **French.** Fluent.