

CURRICULUM VITAE - MANUEL HERRADOR MUÑOZ, PHD



KEYWORDS: Circular Economy & Digital Expert - Green Policy Research - AI - Fundraiser - PMO - EU, ASEAN & Japan

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RECENT EU-FUNDED PROJECTS GRANTED **RAISING ~200M€:** [IPCEI-CIS](#) / [2DNEURALVISION](#) / [HEALING BAT](#) / [BERTHA...](#)

EXPERIENCE

2021 - to date	Senior International RDI Grants Consultant / Project Evaluator / PMO. FI Group Spain. May 2021 - to date → Lead Technical Writing of Grants (e.g., Horizon Europe , EIC, CEF, IF, IPCEI, NEDO), PMO & Consortium Leadership
2012 - 2024	Director of the “Smart City Jaen” project (part-time). University and Municipality of Jaen (Spain). February 2012 - July ‘24 → International RDI Research, Grants & Projects on Circular Economy, Digital, Sustainability, Smart Cities & ESG
2019	Post-doc Field Researcher. Research on the Circular Economy of Korea. Seoul National University (SNU) / Korea Foundation. with a book, article 1 & article 2 in the Journal of Cleaner Production & STOTEN , interview (Seoul, South Korea)
2018 - 2019	Post-doc Researcher. Project entitled “well-being in Smart Cities”. Open Universiteit, for project development related to IoT, Apps, and GEMA (GEMAnIoT), for Horizon 2020 proposal submission, (Heerlen, the Netherlands)
2017 - 2018	Post-doc Researcher and Visiting Professor on Circular Economy, IMPAKT Asia project, National Economics University (NEU), for Field Research and build a public/private Network on Circular Economy (Hanoi, Vietnam) - EU Commission
2016 - 2017	Post-doc Researcher and Visiting Professor (proof), Eureka SD project, Head of the “Smart City Mar del Plata” project, Sustainable Development & Circular Economy, launching a Smart City project (Mar del Plata, Argentina) - EU Commission
2016	MINERVA Fellow. Visiting Researcher. EU-Japan Centre for Industrial Cooperation, Research and Policy Analysis on Microalgae and Circular Economy, building a Network, and leading to a book (Tokyo, Japan). EU Commission - METI
2010 - 2011	Analyst. Prodatisa S.L. LMS-based teaching, online marketing, project development, and general consultancy
2009	Consultant. Link Consulting. Leonardo da Vinci Internship programme (Lisbon, Portugal). EU Commission
2009 - 2011	Internet Assessor as Google link evaluator using the EWOQ platform. Lionbridge Inc.

EDUCATION

2020	PRINCE2 PRINCE2 AGILE® by AXELOS (verify) ITIL® 4 ITIL® version 4 by AXELOS (verify)
2019	Post-doc Field Researcher. ‘Circular Economy of Korea’. Seoul National University (SNU) / Korea Foundation
2018-2019	Post-doc Researcher. ‘Well-being in Smart Cities’ project. Open Universiteit (Heerlen, the Netherlands)
2017-2018	Post-doc Researcher. IMPAKT-ASIA project. National Economics University (Hanoi, Vietnam). EU Commission
2017	Club of Rome Summer Academy 2017. Club of Rome Think Tank / Univ. of Florence (Florence, Italy) (here)
2016-2017	Post-doc Researcher and Visiting Prof. Eureka SD project. UNMdP (Mar del Plata, Argentina). EU Commission
2016	MINERVA Fellowship. EU-Japan Centre for Industrial Cooperation (Tokyo, Japan). EU Commission - METI
2012-2015	→ PhD in ICT. International Mention Award and “A” grade (Thesis). UJA (Spain) / INESC TEC Porto (Portugal)
2011	Executive MBA (EMBA). Camilo Jose Cela University / Bureau Veritas Business School
2009 - 2010	Official Master in Technology of Photovoltaic Systems. International University of Andalusia (UNIA)
2002-2006-2008	Computer Science (BSc. Eng. + MSc. Eng.). Thesis: “Internet Services Oriented to Business”. UJA (Spain)

LANGUAGES

ENGLISH	Fluent. Official Diploma by the Oxford House College (during a stay in England). “Superior level” at the UIMP (Spain)
JAPANESE	Basic. 日本語能力試験 (Official JLPT N5) Japanese-Language Proficiency Test. Ebisu Language School (Tokyo, Japan)
PORTUGUESE	Conversational. Official B1 level . Centro de Linguas Intergarve (Lisbon) plus 8 months between Lisbon and Porto (Portugal)
GERMAN	Basic. Official A1 level . Escuela Oficial de Idiomas (EOI) (Jaen, Spain)
SPANISH	Native

SCIENTIFIC PRODUCTION SELECTION AS A 1ST AUTHOR ON CIRCULAR ECONOMY, SMART CITIES, AND ICT

Article: Herrador, M. "A Universal Circular Cities Declaration to Achieve Global Sustainability", *Resources, Conservation & Recycling*, Elsevier, 2024, 107757, ISSN 0921-3449, <https://doi.org/10.1016/j.resconrec.2024.107757>

Article: Herrador, M., de Jong, W., Nasu, K., Granrath, L. "Designing a circular cities declaration for Japan building on the European Union's case study", *Journal of Environmental Management*, Elsevier, 2024, 120819, ISSN 1095-8630, <https://doi.org/10.1016/j.jenvman.2024.120819>

Article: Herrador, M. "Assessment of the first-ever Circular Economy framework of Cambodia: barriers, international opportunities, and recommendations". *Journal of Cleaner Production*, Elsevier, 2024, 140778, ISSN 0959-6526, <https://doi.org/10.1016/j.jclepro.2024.140778>

Article: Herrador, M., Van, M. L. "Circular Economy Strategies in the ASEAN Region: A Comparative Study". *Science of the Total Environment*, Elsevier, 2024, 168280, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.168280>

Article: Herrador, M., Dat, T. T., Truong, D. D., Hoa, L. T., Lobacz, K. "The Unique Case Study of Circular Economy in Vietnam Remarking Recycling Craft Villages". *Sage Open*, Sage Publications, 13(3), 2023, ISSN 21582440, <https://doi.org/10.1177/21582440231199939>

Article: Herrador, M., de Jong, W., Nasu, K., Granrath, L. "The Rising Phenomenon of Circular Cities in Japan. Case Studies of Kamikatsu, Osaki and Kitakyushu", *Science of the Total Environment*, Elsevier, 2023, 165052, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.165052>

Article: Herrador, M., de Jong, W., Nasu, K., Granrath, L. "Circular Economy and Zero-Carbon strategies between Japan and South Korea: A comparative study", *Science of the Total Environment*, Elsevier, 2022, 153274, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2022.153274>

Book: Herrador, M. "Circular Economy in Korea-International Cooperation Opportunities with the EU". School of Public Health, Seoul National University (SNU), Univ. of Jaen and the Korea Foundation (KF), Seoul, 2019-2020 / [interview, https://doi.org/10.6084/m9.figshare.19087388.v1](https://doi.org/10.6084/m9.figshare.19087388.v1)

Article: Herrador, M., Cho, Y., Park, P-H. "Latest Circular Economy policy and direction in the Republic of Korea: room for enhancements", *Journal of Cleaner Production*, Elsevier, 2020, 122336, ISSN 0959-6526, <https://doi.org/10.1016/j.jclepro.2020.122336>

Book: Herrador, M. "The Microalgae/biomass Industry in Japan. An Assessment of Cooperation and Business Potential with European Companies". *EU-Japan Centre for Industrial Cooperation*, Tokyo, 2016 (<https://doi.org/10.6084/m9.figshare.19087058.v1>), and Press note ([here](#))

Article: Herrador, M., Carvalho, A., Feito, F. "An Incentive-Based Solution of Sustainable Mobility for Economic Growth and CO2 Emissions Reduction", *Sustainability*, MDPI, 2015, 7, 6119-6148, <https://doi.org/10.3390/su7056119>

Presentation in Conference: Herrador M. "Green Alliances and Digital Partnerships between the EU and Japan, South Korea, and Singapore: Unveiling Strategic Business Expansion". 36th Annual AJBS (*Association of Japanese Business Studies*) Conference 2024. Seoul, 2-3 July 2024 ([here](#))

Presentation in Conference: Herrador M. "The Rising Phenomenon of Circular Cities in Japan: A First Approach". 35th Annual AJBS (*Association of Japanese Business Studies*) Conference 2023. Warsaw, 5 July 2023 ([here](#))

Presentation in Conference: Herrador M. "New Trends on Smart Cities in Argentina: the use case of Smart City Mar del Plata". X Simposio Internacional de Ingeniería Industrial: Actualidad y Nuevas Tendencias, Oberá (Argentina), 27-29 September 2017 ([here](#), page no. 852)

Presentation in Conference: Herrador M., Graciano A., Feito, F.R., Ortega, L. "3D GIS tools for subsoil management". International Congress on Archaeology, Computer Graphics, Cultural Heritage and Innovation 'Arqueológica 2.0' in Valencia (Spain), 5 - 7 September 2016 ([here](#))



Presentation in Conference: Herrador, M., Feito, F.R. "Smart City Jaen, actions towards a more sustainable city model and future perspectives". II Congreso de Ciudades Inteligentes. Madrid, 28 June 2016 ([here](#))

Presentation in Conference: Herrador, M., Feito, F.R. "Incentivized electromobility solution based on charging points with QR codes, as a contribution to the Sustainable Development of Jaen". IV Congreso Internacional Ciudades Creativas. Madrid, 13-15 January 2016 ([here](#))

Presentation in Conference: Herrador, M., Feito, F.R. "Incentivized electromobility system based on QR codes, as a contribution to sustainable development". I Congreso de Ciudades Inteligentes. Madrid, 24-25 May 2015 ([here](#))

Presentation in Conference: Herrador, M., Feito, F.R. "Smart City Jaen, towards a more sustainable city model". Jornadas Ciudades inteligentes, ciudades sostenibles. Defensor del Pueblo Andaluz y Cajasol, Sevilla, 29/10/15 ([here](#))

Chapter of book: Herrador, M. Chapter 5. "Smart Cities and their GIS Applications to Sustainable Mobility", book "Aplicaciones en Informática Gráfica y Geomática Vol. 1". ISBN 978-84-606-7812-0 ([here](#))

Patent no. P201331555 (here) and prototype	Patent no. P201730541 (here) and prototype
"Switching device and method based on QR codes"	"Autonomous Photobioreactor"
Comms-less station for EVs based on QR codes↓	Static/in-motion CO ₂ reduction for vehicles↓
	
<ul style="list-style-type: none"> ➔ Project video (here) and Exhibition in "Bioptima 2014", Jaen (here) ➔ Article: Herrador, M.; Carvalho, A.; Feito, F. "An Incentive-Based Solution of Sustainable Mobility for Economic Growth and CO2 Emissions Reduction", <i>Sustainability</i>, MDPI, 2015, 7, 6119-6148 (here) ➔ Exhibition at the University of Tokyo and NEDO Headquarters (here) 	<ul style="list-style-type: none"> ➔ "CO₂CX" project (here), video (here), and summary (here) ➔ Exhibition: "Green Cities 2019", Malaga (here) ➔ Exhibition: "Smart City Summit 18", Taipei (here, page 3) ➔ Poster: "Algaeurope 2018", Amsterdam (here) ➔ Poster: "WCCE10 2017", Barcelona (here)

23 AWARDS

2022	Incentive for publishing a research article in Science of the Total Environment . Korea Foundation
2020	Incentive for publishing a research article in the Journal of Cleaner Production . Korea Foundation
2019	Grant for the ' Field Research Fellowship ' post-doc (Seoul, South Korea). 6 months. Korea Foundation / Seoul National Univ.
2018 - 2019	Grant for ' Well-being in Smart Cities ' post-doc (Heerlen, Netherlands). 6 months. Open Universiteit
2018	Grant for the CDTI Technological Mission in Taiwan . Taipei Smart City Summit and Expo, by the CDTI, DoIT & MoEA (Ministry of Economic Affairs) in Taipei, 26 th /30 th March 2018. CDTI
2017 - 2018	Grant for Impakt ASIA post-doc (Hanoi, Vietnam), 8 months. EU Commission ("Erasmus Mundus" postdoc)
2017	Grant for the First Club of Rome Summer Academy 2017 (Florence, Italy), 1 week. The Club of Rome Think Tank
2016 - 2017	Grant for Eureka SD post-doc (Mar del Plata, Argentina), 6 months. EU Commission ("Erasmus Mundus" postdoc)
2014 / 2017	x2 Grants to develop patents and photobioreactor and electro-mobility prototypes. UJA
2016	MINERVA Fellowship (Tokyo, Japan), 6 months. EU-Japan Centre for Industrial Cooperation, EU Commission - METI
2015	Grant for the CDTI Technological Mission in Japan . 5th CDTI-NEDO Joint Workshop JSIP programme for the automotive industry at the University of Tokyo, and NEDO in Kawasaki, the 22 nd /23 rd of October. CDTI - NEDO
2009 - 2010	Grant for Official Master in Photovoltaics . MEC (Spanish Ministry of Education and Culture). UNIA
2009	Grant for Internship abroad at Link, 5 months. Leonardo da Vinci programme in Lisbon (Portugal). EU Commission - IMEFE
2008	Grant of English immersion course in Santander at the UIMP University (Spain), 1 week. Superior level. UIMP
2008	Grant for improving English. Oxford House College in Oxford (England), 1 month. MEC
2006 - 2007	Grant for Erasmus programme at UM Univ. (Maribor, Slovenia), 6 months. EU Commission - MEC - UJA
2002 - 2008	x6 Grants for BsC. and MsC. in Computer Science Engineering. UJA (Spain). MEC

MISC.

2024	Administering and Using Responsible Design and Production for the Circular Economy. SAP Learning (verify)
To date	Over 60 scientific peer reviews for prestigious journals, e.g., the Journal of Cleaner Production (verify ORCID - last section)
2023	Prompt Engineering & AI Engineering Safety Expert. Institute of Management, Technology and Finance (MTF) (verify)
2022	EU Expert Evaluator on Circular Economy, Digitalization, and Asia-linked Cooperation. EU commission (EX2022D634221)
2021	GRI (Global Reporting Initiative) Professional Certification Program "GRI 306: Waste 2020". The Netherlands (verify)
2020	Sustainable Packaging in a Circular Economy Certificate. Delft University of Technology (TU Delft) (verify)
2020	Private Financing for Infrastructure and Sustainable Growth Certificate by Professor Yoshino, Keio University (Japan) and the Asian Development Bank Institute (ADBI) (verify)
2020	Monitoring and Evaluation (M&E). Certificate Program. Johns Hopkins Bloomberg (USA) and USAID (verify)
2017	Circular Economy: An Introduction Certificate. Delft University of Technology (TU Delft) & Ellen MacArthur Found. (verify)
2015	SCRUM Fundamentals Certificate. SCRUMstudy (verify)
2012	Solid Edge Specialist Certificate. Junta of Andalusia, 150 hours (verify)
2007	Certificate of Pedagogical Aptitude (CAP) to become an Official University Lecturer. UJA (verify)
2006	Cybersecurity Certificate. Junta of Andalusia, 300 hours (verify)

Freelancer: web services oriented to business, digital marketing, SEO, SEM, web development, Linux servers and ICTs (AI, IoT, Cloud, GIS)
Non-smoker, driving license B & A1 plus own car, swimmer, amateur chef, futsal goalkeeper, [exp. in 9 countries](#) and immediate availability

→ **EU-JAPAN NETWORK:** Partner of [Circle Design Co. Ltd. Japan](#), Researcher at [GGGJ](#), Member of the International Society for the Circular Economy ([IS4CE](#)), Observer of [CHAdEMO Japan](#), Member of the Association of Japanese Business Studies ([AJBS](#)), Member of European Federation of Biotechnology ([EFB](#)), Member of European Biotechnology Network ([EBN](#)), Member of the Association of Spanish Scientists in Japan ([ACE Japón](#)), Member of the International Association of Hydrological Sciences ([IAHS](#)), Bronze Member of the International Water Resources Association ([IWRA](#)), and Member of the Moodle Association of Japan ([Moodle Japan](#)) (others: [in](#)).