

CURRICULUM VITAE - MANUEL HERRADOR, PhD

KEYWORDS: Grants, Circular Economy and Smart City Research, Ideas Creator, ICT, Sustainability, M&E, IP, PR, ESG, H2020, HE

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ORCID



**** LIST OF X6 EU GRANTS PREPARED (2012-2020) ****



EXPERIENCE

2021 - to date	International Grants Consultant. FI Group. May 2021 - to date → Technical writing of EU grants e.g., Horizon Europe , EIC Accelerator/Transition, or JSIP (Japanese NEDO & CDTI)
2012 - 2021	Director of the “Smart City Jaen” project (part-time) by the University and Municipality of Jaen (Spain). 9 years → Business Analysis, ICT innovation / Sustainability of Smart Cities, leadership of H2020 proposals, R&D, PR, IP, & ESG
2019	Post-doc Field Researcher. Research on Circular Economy of Korea. Seoul National University (SNU) and Korea Foundation, for the production of a book, and article in the Journal of Cleaner Production, plus interview (Seoul, South Korea). 6 months
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 H2020 proposal submission, (Heerlen, the Netherlands). 6 months
2017 - 2018	Post-doc Researcher on Circular Economy in Vietnam, IMPAKT Asia project, National Economics University (NEU), to conduct Field Research and build a public/private Network on Circular Economy (Hanoi, Vietnam). 8 months
2016 - 2017	Post-doc Researcher and Visiting Professor (proof), Eureka SD project, Head of “Smart City Mar del Plata” project, related to Sustainable Development and Circular Economy, launching a Smart City project (Mar del Plata, Argentina). 6 months
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). 6 months
2010 - 2011	Analyst. Prodatisa S.L. Teaching, online marketing, project development and general consultancy. 12 months
2009	Consultant. Link Consulting. Leonardo da Vinci Internship programme (Lisbon, Portugal). EU Commission. 3 months
2009 - 2011	Internet Assessor as Google link evaluator using the EWOQ platform. LionBridge Inc. 20 months

EDUCATION

2020	PRINCE2 PRINCE2 AGILE® by AXELOS (verify) ITIL® version 4 by AXELOS (verify)
2020	Monitoring and Evaluation (M&E) Certificate Program (verify). Johns Hopkins Bloomberg (USA) and USAID
2019	Post-doc Field Researcher. ‘Circular Economy of Korea’. Seoul National University (SNU) / Korea Foundation. 6 months
2018-2019	Post-doc Researcher. ‘Well-being in Smart Cities’ project. Open Universiteit (Heerlen, the Netherlands). 6 months
2017-2018	Post-doc Researcher. IMPAKT-ASIA project. National Economics University (Hanoi, Vietnam). 8 months
2017	First Club of Rome Summer Academy 2017. Club of Rome / Univ. of Florence (Florence, Italy). From September 7 to 13
2016-2017	Post-doc Researcher and Visiting Professor. Eureka SD project. UNMDP (Mar del Plata, Argentina). 6 months
2016	Post-doc Researcher. MINERVA Fellowship. EU-Japan Centre for Industrial Cooperation (Tokyo, Japan). 6 months
2012-2015	→ PhD in ICT. International Mention Award and “A” grade (Thesis). Univ. of Jaen (Spain) / INESC TEC (Portugal)
2011	→ Executive MBA (EMBA). Camilo Jose Cela University / Bureau Veritas Business School. 1.500 hours
2009 - 2010	→ Official Master in Technology of Photovoltaic Systems. International University of Andalusia (UNIA). (60 ECTS)
2002-2006-2008	→ Computer Science (BsC. Eng. + MsC. Eng.). Thesis: “Internet Services Oriented to Business”. Univ. of Jaen (Spain)

LANGUAGES

ENGLISH	Fluent. Official Diploma by the Oxford House College (during 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

LIST OF PUBLICATIONS, PRESENTATIONS, AND ACHIEVEMENTS IN CHRONOLOGICAL ORDER

SCIENTIFIC PRODUCTION

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”. Graduate School of Public Health, Seoul National University (SNU), Univ. of Jaen and the Korea Foundation (KF), Seoul, 2019-2020 (<https://doi.org/10.6084/m9.figshare.19087388.v1>) / [interview](#)

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, Volume 269, 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.; “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. “Smartcities and their GIS Applications to Sustainable Mobility”, **book** “Aplicaciones en Informática Gráfica y Geomática Vol. 1”. ISBN 978-84-606-7812-0 ([here](#))

(2015) Patent no. P201331555 ([here](#))

“Switching device and method based on QR codes”

Comms-less station for EVs based on QR codes↓

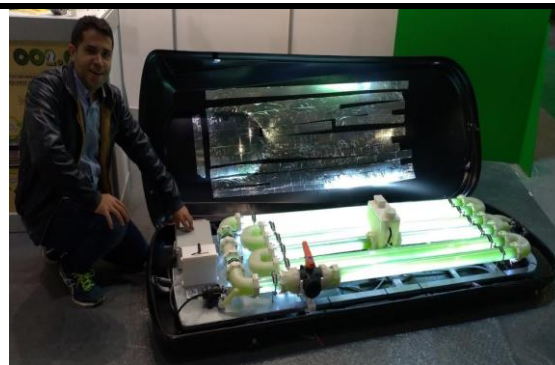


- ➔ Video of project ([here](#)) and Exhibition in “Bioptima 2014”, Jaen ([here](#))
- ➔ Article: Herrador, M.; Carvalho, A.; Feito, F. “An Incentive-Based Solution of Sustainable Mobility for Economic Growth and CO2 Emissions Reduction”, *Sustainability*, MDPI, 2015, 7, 6119-6148, <https://doi.org/10.3390/su7056119>
- ➔ Exhibition at University of Tokyo and the NEDO Headquarters ([here](#))

(2018) Patent no. P201730541 ([here](#))

“Autonomous Photobioreactor”

Static/in-motion CO₂ reduction for vehicles↓



- ➔ “CO₂CX” project with IoT App ([here](#)), video operating ([here](#)), and a brief summary ([here](#))
- ➔ Exhibition: “Greencities 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 research article in Science of the Total Environment . Korea Foundation
2020	Incentive for publishing 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), 6 months. EU Commission ("Erasmus Mundus" postdoc)
2017	Grant for the First Club of Rome Summer Academy 2017 (Florence, Italy), 1 week. Club of Rome
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. University of Jaen
2016	MINERVA Fellowship (Tokyo, Japan), 6 months. EU-Japan Centre for Industrial Cooperation, METI / EU Commission
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 October. CDTI - NEDO
2009 - 2010	Grant for Official Master in Photovoltaics. MEC (Spanish Ministry of Education and Culture). UNIA
2009	Grant for Internship abroad, 5 months. Leonardo da Vinci programme in Lisbon (Portugal). IMEFE
2008	Grant of English immersion course in Santander (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 (Maribor, Slovenia), 6 months. MEC - University of Jaen
2002 - 2008	x6 Grants for BsC. and MsC. in Computer Science Engineering. University of Jaen (Spain). MEC

MISC.

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	SAP C/4HANA® Business Processes: Lead-to-Cash Certificate, openSAP (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 Pedagogic Aptitude (CAP), University of Jaen (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 (IoT, Cloud, GIS)	
<i>Non-smoker</i> , driving license B & A1 plus own car, swimmer, amateur chef, futsal goalkeeper, exp. in 9 countries and immediate availability	

→ **MEMBERSHIPS:** Researcher at [GGGJ Group](#), Observer at the Japanese [CHAdEMO](#), Member of [Zero Waste Spain](#), 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](#)), and Bronze Member of the International Water Resources Association ([IWRA](#)) (amongst others: [in](#))