



CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

| Part A. PERSONAL INFORMATION | | CV date | 23/01/2023 |
|--|--|--|------------|
| First name | Elena Daniela | | |
| Family name | Concepción Cuevas | | |
| Gender (*) | Female | Date of Birth (dd/mm/yyyy) | 19/08/1979 |
| ID number | 02657858R | URL Web: https://www.mncn.csic.es/es/quienes_somos/concepcion-cuevas-elena-daniela | |
| e-mail | elenadconcepcion@gmail.com | | |
| Open Researcher and Contributor ID (ORCID) (*) | 0000-0002-6715-6902 | | |

(*) Mandatory

A.1. Current position

| | | | |
|-------------------|---|-----------------------------|-----------|
| Position | Postdoctoral researcher | | |
| Initial date | 15th March 2021 | | |
| Institution | National Museum of Natural Sciences (MNCN-CSIC) | | |
| Department/Centre | Dept. of Biogeography and Global Change | Global Change Ecology Group | |
| Country | Spain | Phone number | 666755230 |
| Keywords | Biodiversity conservation, Policy assessment, Global change, Land-use change, Macroecology, Modelling, Landscape, Community, Urban & Agrarian ecology | | |

A.2. Previous positions (research activity interruptions)

| Period | Position/Institution/Country/Cause of the interruption |
|-----------------|---|
| 10/2020-01/2022 | Adjunct Professor of Ecology, Complutense University of Madrid (UCM) |
| 09/2018-01/2021 | Juan de la Cierva-Incorporación fellow, MNCN-CSIC, Spain |
| 06/2017-08/2018 | Postdoctoral researcher, MNCN-CSIC, Spain |
| 09/2015-05/2017 | Maternity leave |
| 10/2012-03/2013 | Maternity leave |
| 05/2012-12/2015 | Postdoctoral researcher, Swiss Federal Research Institute WSL, Switzerland |
| 04/2011-05/2012 | Postdoctoral researcher, MNCN-CSIC, Spain |
| 12/2008-04/2011 | PhD researcher, Institute of Natural Resources (IRN-CSIC), Spain |
| 12/2007-11/2008 | Environment, Quality and Safety Manager, RECOHENARES S.L., Spain |
| 02/2004-11/2006 | PhD fellow FPU, Environmental Sciences Dept., Castilla-La Mancha University |
| 09/2002-01/2004 | Postgraduate fellow, Agrarian Research Institute of Madrid (IMIA), Spain |
| 06/2001-09/2001 | Introduction to science fellow, Carlos III Health Institute, Spain |

A.3. Education

| PhD, Graduate Degree | University/Country | Year |
|---|----------------------------------|------|
| Ph.D in Environmental Sciences (<i>Summa cum laude</i>) | University of Castilla-La Mancha | 2011 |
| Master degree in Occupational Safety | Education Institute of Madrid | 2008 |
| Expert degree in Rural Development Policies | University of Castilla-La Mancha | 2005 |
| M.Sc. in Environmental Sciences | University of Castilla-La Mancha | 2005 |
| Teaching Ability Certificate | Complutense University of Madrid | 2003 |
| Expert degree in Geographic Information Systems | Technical University of Madrid | 2002 |
| B.Sc. in Environmental Sciences (Extraordinary prize) | University of Alcalá | 2001 |

Part B. CV SUMMARY (max. 5000 characters, including spaces)

I am a landscape ecologist & macroecologist interested on the impacts of human-driven **land-use changes on biodiversity & ecosystems**. I have a BSc (Extraordinary Prize) & a PhD in Environmental Sciences (*Summa cum laude*, 2011). I am an expert in **Geographic Information Systems & Rural**



Development. I conducted my PhD thanks to a FPU grant in the EU-Project EASY, in which I led the analysis of landscape influence on the effects of agri-environment schemes (AES) on biodiversity. I focused on how local & landscape factors interacted to identify the most effective conservation strategies. I developed & validated a novel conceptual model explaining the relationship between **landscape complexity** & AES effectiveness. As a result, I outlined my profile as an expert on **farmland biodiversity conservation**, authoring 12 conference contributions, 10 scientific & 3 dissemination articles.

As a postdoc at the Swiss Research Institute WSL, I investigated the relationships between **urban sprawl** (widespread urban growth) & biodiversity. I conducted my research independently and led the project BIKORA within a research programme with scientists from the WSL & other European institutions. I focused on which **diversity components** were affected most & how by urban sprawl, at which **spatial scale**, and which components of urban sprawl had the strongest impacts. Overall, my research at the WSL was presented in 4 international conferences and several workshops & seminars, and resulted in 1 book chapter, 3 SCI articles & regular newsletters.

As a Juan de la Cierva-Incorporación postdoctoral fellow at the MNCN-CSIC, I participated in the EU-project BIOGEA to assess the impact of the Common Agricultural Policy (CAP) on the provision of **green & blue infrastructure** (GBI) in the landscape, and how this in turn impacts on biodiversity. I coordinated the WP4 *Modelling impacts of GBI on biodiversity*. I have participated in 5 more projects (RECAMAN, TrEnGood, REMEDINAL, COMFOR-SUDOE, PTI AGRIAMBIO). Now, I have initiated my own **independent research**: the analysis of **urban expansion into Natura 2000** and of **urban GBI connectivity**, and I am leading the **WP2** on the definition of indicators of biodiversity and ecosystem services of the CAP 2023-2027 in the **PTI AGRIAMBIO**. My research at the MNCN over the last years has resulted in 17 articles in SCI journals, 1 book, 6 book chapters, 16 conference contributions and numerous dissemination publications & events.

I have written **40 scientific articles, 29 in SCI journals**. My publications accumulate **1675 citations in Web of Science (WoS) & 2705 in Google scholar (GS)**, and include **2 Highly cited papers** according to WoS (Concepción et al. 2008 *Land.Ecol.* & Kleijn et al. 2009 *Proc.Royal Soc.B*). I am the first & corresponding author of most of them, including **3 influential papers** (Concepción et al. 2008 *Land.Ecol.*, 2012 *J.Appl.Ecol.*, 2015 *Oikos*), each one with >200 citations & the 3 alone summing 538 citations in WoS & 830 in GS. I also have **2 sole author** articles (Concepción 2021 *Conserv.Biol.* & 2022 *Ecosistemas*). Since 2018 the annual avg. n° citations of my publications has raised up to 205 (WoS) & 313 (GS). I have authored 1 book, 6 book chapters, 20 reports & several dissemination papers. I have presented 31 contributions (18 talks & 13 posters) to **24 international & national conferences**, and >30 talks in a variety of scientific, outreach & transference events. I have earned **funding** for research, stays & my own salary since I started my career. I have participated in **5 European & 8 national research projects** (1 as PI & 2 as WP leader). I have a broad **network of collaborators worldwide** (>150 co-authors from 90 institutions & 25 countries). I am a **guest editor** of a special issue in *Frontiers Ecol. & Evol.*, **associate editor** of *Frontiers Conserv. Sci.* & **regular referee** for SCI journals and PCI Ecology. I have reviewed **a book & research grants**. I have been a member in 2 PhD & 1 adjunct professor **evaluation committees**. I have broad **teaching & mentoring expertise** (lecturer at BSc & MSc level [180 h]; 5 BSc, 5 MSc & 1 PhD directions done or ongoing). I have participated in a **teaching innovation project**. I am accredited as a **PhD lecturer** & awarded the **i3 certification**. I am highly engaged in **science outreach** (organization of seminars, round tables, scientific fairs, exhibitions, talks to scholars, interviews in TV, newsletters, policy statements, press releases, articles in the press & broadcasting in YouTube & Twitter). I am also committed to **knowledge transfer** to managers and policy makers at national & EU levels, with whom I have organized several meetings & workshops (e.g., at the **EU Parliament** and the **Commission** about the new **CAP 2023-2027**). I collaborate with the **Ministry of Agriculture** to assess the socio-ecological effectiveness of the CAP in Spain. I have collaborated with the Administration in the development of the *Spanish Strategy of Green Infrastructure* and the *Natural Capital valuation of Andalusian forests*.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

Total: 40 scientific articles (+1 in review) + 1 book + 6 book chapters + 20 scientific-technical reports. **10 Most relevant SCI Publications** (among the total of 29 SCI articles (+1 in review), 12 as the first & corresponding author, 2 as the sole author, plus 6 as the second author & 2 as the last/senior author). **All of them as the first and *corresponding author, one as the sole author**; (position/no. authors); citations in Web of Science: WoS(no.) and Google Scholar: GS(no.); summing **WoS(778), GS(1180)**.



- Concepción, E.D.*** (2021). Urban sprawl into Natura 2000 network over Europe. *Conservation Biology* 35: 1063-1072. (1/1), **WoS(10), GS(17)**.
- Concepción, E.D.***, Aneva, I., Jay, M., (...), & Díaz, M. (2020). Optimizing biodiversity gain of European agriculture through regional targeting and adaptive management of conservation tools. *Biological Conservation* 241: 108384. (1/12), **WoS(29), GS(44)**.
- Concepción, E.D.*** & Díaz, M. (2019). Varying potential of conservation tools of the Common Agricultural Policy for farmland bird preservation. *Science of the Total Environment* 694:133618. (1/2), **WoS(15), GS(21)**.
- Concepción, E.D.***, Götzenberger, L., Nobis, M.P., de Bello, F., Obrist, M.K. & Moretti, M. (2017). Contrasting trait assembly patterns in plant and bird communities along environmental and human-induced land-use gradients. *Ecography* 40: 753-763. (1/6), **WoS(38), GS(51)**.
- Concepción, E.D.***, Obrist, M.K., Moretti, M., Altermatt, F., Baur, B. & Nobis, M.P. (2016). Impacts of urban sprawl on species richness of plants, butterflies, gastropods and birds: not only built-up area matters. *Urban Ecosystems* 19: 225-242 (1/2), **WoS(61), GS(91)**.
- Concepción, E.D.***, Moretti, M., Altermatt, F., Nobis, M.P. & Obrist, M.K. (2015). Impacts of urbanisation on biodiversity: the role of species mobility, degree of specialisation and spatial scale. *Oikos* 124: 1571-1582. (1/5), **WoS(143), GS(220)**.
- Concepción, E.D.***, Díaz, M., Kleijn, D., (...), Tschardtke, T. & Verhulst, J. (2012) Interactive effects of landscape context constrain the effectiveness of local agri-environmental management. *Journal of Applied Ecology* 49: 695-705. (1/13), **WoS(163), GS(253)**.
- Concepción, E.D.***, Fernández-González, F. & Díaz, M. (2012) Plant diversity partitioning in Mediterranean croplands: Effects of farming intensity, field edge and landscape context. *Ecological Applications* 22: 1005-1014. (1/3), **WoS(44), GS(64)**.
- Concepción, E.D.*** & Díaz, M. (2011) Field, landscape and regional effects of farmland management on specialist open-land birds: does body size matter? *Agriculture, Ecosystems and Environment* 142: 303-310. (1/2), **WoS(43), GS(62)**.
- Concepción, E.D.***, Díaz, M. & Baquero, R.A. (2008) Effects of landscape complexity on the ecological effectiveness of agri-environment schemes. *Landscape Ecology* 23: 135-148. (1/3), **Highly cited paper: WoS (232), GS(357)**.

C.2. Congresses

Total: 31 contributions (18 talks + 13 posters) to 24 conferences + >30 talks in dissemination events.

- **Selected contributions to conferences:**

1. **Concepción, E.D.**, Kazakova, Y., Stefanova, S., Marsden, K. & Díaz, M. (2020) *Enhancing Greening of the CAP for biodiversity conservation in a collaborative way: The case of Spanish dry-cereal croplands*. World Biodiversity Forum. Davos (Suiza) Feb. 2020. Poster.
2. **Concepción, E.D.** *Urban expansion areas overlap with Natura 2000 sites across Europe*. 15th European Ecological Federation (EEF) Congress. Lisboa, Jul. - Aug. 2019. Poster.
3. **Concepción, E.D.**, Aneva, I., Jay, M., (...), & Díaz, M. *Green and blue infrastructure and farmland biodiversity: Optimising CAP greening as conservation tool*. 1st Meeting Iberian Ecological Society - SIBECOL. Barcelona, Feb. 2019. Oral contribution.
4. **Concepción, E.D.**, Obrist, M.K., Moretti, M. & Nobis, M. *Multi-taxa assessment of impacts of urban sprawl on species richness: more than built-up area matters!* 44th GfÖ Meeting Ecological Society of Germany, Austria & Switzerland. Hildesheim Germany Sep 2014. Oral contribution.

- **Invited contributions:**

1. Invited **speaker in 3 round tables:** *Mujeres que investigan el cambio climático* in the MNCN Sep 2021, *Crisis climática y de biodiversidad: dos caras de una misma moneda* in the **COP25 Madrid 2020**, & *Científicas reunidas 2.0 de Mujeres con los pies en la tierra* in *UCM Science Week* 2019.
2. Invited speaker in **seminars:** in the Master of Ecology (UCM-UAM): (1) **Inaugural lecture** (co-author) of the Course 2020/21 & (2) **Invited Lecture** in the subject *Seminarios de investigación* in the Course 2019/20 & (3) in the "NLU-Colloquium: Fall Semester 2014 Natur-, Landschaftsund Umweltschutz" Master in **Conservation Biology**. University of Basel, 3rd Nov. 2014 (Switzerland).

- **Organization of events:**

1. **Thematic season** *Ecología del paisaje, cambio global y biodiversidad* in the *XV Congreso Nacional de la Asociación Española de Ecología Terrestre*. Plasencia, 18-21 October 2021.
2. **Workshops** *The Common Agricultural Policy post-2020: Recommendations from >300 scientists in 22 Member States to improve performance for biodiversity*. **European Commission**, on-line event, 19th May 2021, and Museo Nacional de Ciencias Naturales, Madrid. 12th November 2020.



3. **Webinar** *Finding ways to feature and support more women in Biogeography* in the International Humboldt Day co-organized with the **International Biogeography Society**. 14th September 2020.
4. **Workshop** *A Green Architecture for Green Infrastructure? How the future CAP could support Green and Blue Infrastructure*. **European Parliament, Brussels**, 28th January 2020.

C.3. Research projects

Participation as a researcher in 13 (5 international) projects, one of them as a PI and two as WP leader.

1. *Convenio entre el Ministerio de Agricultura y la Agencia Estatal CSIC para el Seguimiento y evaluación con base Científica del Plan Estratégico de la PAC 2023-2027* (UCA2022020055). 900.020,69 €. Coordinator: Mario Díaz (CSIC). **WP2 leader: Elena D. Concepción** (CSIC).
2. **COMFOR-SUDOE**. *Gestión integrada e inteligente de bosques complejos y plantaciones mixtas del SUDOE*. Interreg SUDOE - European Commission (SOE4/P1/E1012). 293.368,89 €. Nov. 2020-Feb. 2023. Coordinator: Andrés Bravo Oviedo (CSIC). **Manager: Elena D. Concepción** (CSIC).
3. **REMEDINAL TE**. *Conocimiento científico para avanzar hacia la consecución de los objetivos de desarrollo sostenible: una ecología transnacional es necesaria*. European Social and Regional Development Funds (ESF & ERDF) and Comunidad de Madrid (ref.: S2018/EMT-4338). 817.000 €. Jan. 2019 – Dec. 2022. Coordinator: Adrián Escudero (URJC). Researcher.
4. **Juan de la Cierva - Incorporación fellowship** (IJCI-2016-30964). Spanish Ministry of Science & Innovation. 76.000 €. Sep. 2018-Jan. 2021. **PI: Elena D. Concepción** (CSIC).
5. **TrEnGood**. *Bienes ambientales transnacionales y modelos de comportamiento: biodiversidad y cambio climático*. Spanish Ministry of Economy & Competitiveness (ECO2017-84461-R). 220.362,75 €. Jan. 2018-Dec. 2020. PIs: José Luis Oviedo and Alejandro Caparrós (CSIC).
6. **BIOGEA**. *Testing Biodiversity Gain of European Agriculture with CAP greening*. EU BiodivERsA3 Horizon 2020 ERA-NET. 620.000 €. Dec. 2016-Nov. 2019. Coordinator: Katrina Marsden (adelphi research). **WP4 leader: Elena D. Concepción** (CSIC).
7. **BIKORA**. *Biodiversitäts korrelate für Prozesse und Gradienten der Raumentwicklung*. Swiss Federal Office for the Environment. 200.000 €. May. 2012-Dec. 2014. PI: Michael Nobis (WSL).
8. **Space for People & Nature**. WSL Research Program 2012-18. Coordinator: Silvia Tobias (WSL).
9. **RECAMAN**. *Consultoría y asistencia técnica de investigación para la inventariación de los recursos naturales y la evaluación económica del patrimonio natural de Andalucía (NET165602)*. Junta de Andalucía. 4.163.847 €. Jul. 2008-Apr. 2014. PI: Pablo Campos (CSIC).
10. **EASY**. *Evaluating current European agri-environment schemes to quantify and improve nature conservation efforts in agricultural landscapes*. 5th EU-Framework Programme (QLK5-CT-2002-01495). 1.646.965 €. Feb. 2003-Feb. 2006. Coordinator: David Kleijn (Wageningen University).

C.4. Technology/Knowledge transfer

- **Outreach and popular science activities:**

1. **Press releases & articles in the press** (*The Conversation, El Pais, Ciencia con Futuro, Expansión*).
2. **22 Talks to scholars** *Explorando el mundo: Ecología y otras ciencias* in the 11th February: *International Day of Women & Girls in Science 2020-2023*, CEIP San Juan Bautista Madrid.
3. **Exhibitions & Events** at the MNCN **2017-2023**: *4^oESO-Empresa, Ask the expert, Las chicas somos guerreras Proyecto Hypatia, YoRecojoelTestigo, Gymkana científica, European Researchers Night, & Project ODS e inclusión: juntos por un planeta sostenible, justo e igualitario (FECYT-20-15922)*.
4. **Interviews in TV: Agrosfera** (13/02/2021) & **La Aventura del Saber** (27/06/2011), **La2 Channel & Videos in YouTube Channel** of MNCN <https://www.youtube.com/watch?v=LSlrkWgqRgQ>
5. Participation in a **Teaching Innovation Project for the Ecology Practices** (Biology Degree, UCM).
6. Supervisor of **2 degree & 1 MSc** students' practises, **2 JAE intro** MSc fellows (MNCN), & Co-director of **1 Degree** (UCM), **2 BSc** (UCLM), **2 MSc** (UCM-UAM, UPC) & **1 PhD** (starting) theses.

- **Evaluation activities:**

1. **Co-editor** of a **Special Issue** on Landscape & Habitat Fragmentation in Agrosystems in *Frontiers in Ecology & Evolution* (2020/21) & **Associate editor** of *Frontiers in Conservation Science* (2023).
2. **Referee** of **19 SCI journals & PCI, 56 revisions**, and one **book**: Valladares, Gil & Forner (coord.). 2017. *Bases científico-técnicas para la Estrategia estatal de infraestructura verde*. Madrid. 357 pp.
3. Member of **two PhD thesis evaluation committees** at the Universities of (1) Granada (October 2021) and (2) Pablo de Olavide (Seville, October 2018), and **one Evaluation committee** of a position of **Adjunct Professor** of Ecology at the UCM (June 2021).
4. External **scientific reviewer of research proposals** for the (1) Spanish State Research Agency, **AEI**, (EVALUA 2020), (2) 2017 call of the National Science Centre of **Poland**; (3) 2015 and 2010/11 EU **BiodivERsA3** calls & (4) **EKLIPSE** protocol on CAP tools to improve biodiversity.