



CURRICULUM VITAE (CVA)

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

CV date

02/05/2023

Part A. PERSONAL INFORMATION

First name	DAVID-VALENTÍN		
Family name	CONESA GUILLÉN		
Gender (*)	MALE	Birth date (dd/mm/yyyy)	
e-mail			
Open Researcher and Contributor ID (ORCID) (*)			

(*) Mandatory

A.1. Current position

Position	FULL PROFESSOR (CATEDRÁTICO DE UNIVERSIDAD)		
Initial date	19/NOV/2019		
Institution	UNIVERSITAT DE VALÈNCIA		
Department/Center	Estadística e Investigación Operativa	Facultat Matemàtiques	
Country		Teleph. number	
Key words	Spatio-Temporal Statistics, Hierarchical Bayesian Models		

A.2. Previous positions (research activity interruptions, art. 14.2.b))

Period	Position/Institution/Country/Interruption cause
1992-1992	Professor in Private School / CEMS/ Valencia (Spain)
1993-1994	Assistant Professor (Asociado TP 6h) / University of Valencia/ Spain
1994-2002	Assistant Professor (Asociado TC) / University of Valencia/ Spain
2002-2019	Associate Professor (Titular) / University of Valencia/ Spain
2019-2022	Full Professor (Catedrático) / University of Valencia/ Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Degree in Mathematics	Universitat de València	1991
PhD in Mathematics	Universitat de València	2000

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

My research trajectory has been characterized by the combination of methodological developments and the practical applications in the following lines of interest: inference and prediction in stochastic processes; spatial and spatio-temporal modelling of the epidemiological surveillance of diseases and species distribution models; inference in efficiency and productivity measures. Results of this research have been transmitted to Society via research papers. According to SCOPUS, I am co-author of **66** publications which have been **cited by 876 documents** to sum up to **1131 citations** and an **h-index of 20**. I am also co-author of **other 2 accepted** papers in indexed journals and **17 works in non-indexed** ones. I have also participated in workshops and conferences (both at national and international level), totaling **245 communications (27 of them invited)**. All this research has

been supported by **40 research projects** (6 as PI): 2 European (1 as PI of the Spanish group), 19 at National level and 19 from Local level. The funding (only counting our group funding in European projects) of these projects totals **more than one and a half millions of euros**. The Spanish Agency of Evaluation of Quality and Accreditation (ANECA) has accredited four periods of quality research (from 1998-2004 and from 2005-2022).

Most of the knowledge acquired throughout all my years at the University has been also transferred to the society. I have collaborated with Companies from the Industry and private sector, but also with public entities and institutions, by means of **25 contracts** (7 as PI) totaling **around one million of euros**. This knowledge has also been transferred to other colleagues from the academia. Indeed, I have been invited to give **19 seminars** in Universities, and I have taught **56 courses** of different subjects of my expertise (Bayesian hierarchical modelling, R, applied statistics).

I have co-supervised **9 PhD students**, and all of them are now either in the academia or working for public entities and developing cutting edge research. I am actually supervising 3 PhD students, one of them finishing in 2023. My time at Duke University as visiting scholar, at Lancaster University as visiting professor, and at SAMSI (USA) as research fellow of the Space-Time Analysis for Environmental Mapping, Epidemiology and Climate Change program, along with my collaborative work with researchers from University of Edinburgh, Universidade do Minho, and Università de Bergamo have been very fruitful in terms of publications but also in terms of providing my students large interconnectivity.

I have also supervised **42 MsC thesis** (two of them got the Student prize by the Servei d'Estadística) and 14 Degree thesis (also winner of Student prize by the Servei d'Estadística). I have also taught more than 400 ECTS in undergraduate studies and more than 100 ECTS in graduate students (not only in the U. Valencia but also in U. Minho, U. Bordeaux and U. Cattolica del Sacro Cuore). I have been very involved in the promotion of Biostatistics being part of the Biostatnet network since its beginning (currently its **Coordinator at national level**) and as an active member of the Spanish Region of the International Biometric Society. In fact, I was **president of this Society** in 2014 and 2015, vice-president in 2013 and 2017, and part of its board from 2010 till 2017. I was also member of the International Biometric Society representative council in 2014 and 2015. Since June 2022 I am **responsible of the Biostatistics working group** of the Spanish Statistical and Operations Research Society (SEIO). I have also promoted Biostatistics in High Schools actively participating in the **StatWars** project and in **Expociencia**, activity developed in my university to promote Science. I have been totally involved in the constitution of two research groups: Valencia Bayesian Research group (<http://vabar.es>) and Statistical Modeling Ecology group (<http://smeg-bayes.org>).

My colleagues have chosen me to peer-review papers in more than 30 indexed journals. This activity has become larger through my career and I have been also involved in the **Editorial Committee of three journals: Statistics and Operations Research Transactions-SORT** (March 2013 - February 2021) and **TEST** (June 2014 - December 2020), both indexed in the second quartile in Journal Citation Report in 2021; and also in **REVSTAT** (since January 2019) indexed in the fourth quartile in Journal Citation Reports in 2021. Indeed, in February 2022 I was promoted to **Editor in chief of SORT**. I have also been chosen as evaluator of researchers, projects, and also studies. I have been part of 15 Thesis Committees. I am currently **Head of the department** of Statistics and Op. Research at the U. Valencia.

I have also participated in **more than 30 Organizing and Scientific Committees of national and international workshops and conferences**. For this promoting activity, the Tourist Foundation of the city council distinguished me as **Ambassador of Valencia**.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

1. J. Martínez-Minaya, F. Lindgren, D. Simpson, A. López-Quílez and D. Conesa (2023). The Integrated Nested Laplace Approximation for fitting Dirichlet regression models. *Journal of Computational and Graphical Statistics*, 32(3), 805--823
2. Angelowski, J. Connolly, H. Cole, et al. and J. Martínez-Minaya; DC is 8/18. (2022). Green gentrification in European and North American Cities. *Nature Communications*, 13:3816.

3. B. Sarzo, R. King, D. Conesa and J. Hentati-Sundberg. Correcting bias in partially monitored populations using integrated models (2021). *Journal of Agricultural, Biological and Environmental Statistics*, 26(2), 200--219.
4. B. Sarzo, D. Conesa and R. King (2020). Cormack-Jolly-Seber models: time and age perspectives. *Stochastic Environmental Research and Risk Assessment*, 34: 1683--1698.
5. X. Barber, D. Conesa, A. López-Quílez and J. Morales (2019). Multivariate Bioclimatic indices modelling: A coregionalised approach. *Journal of Agricultural, Biological and Environmental Statistics*, 24(2), 225--244.
6. J. Martínez-Minaya, M. Cameletti, D. Conesa and M.G. Pennino (2018). Species distribution modeling: a statistical review with focus in spatio-temporal issues. *Stochastic Environmental Research and Risk Assessment*, 32, 3227--3244.
7. X. Barber, D. Conesa, A. López-Quílez, A. Mayoral, J. Morales and A. Barber (2017). Bayesian hierarchical models for analysing the spatial distribution of bioclimatic indices. *SORT, Statistics and Operations Research Transactions*, 41(2): 277--296.
8. I. Paradinas, D. Conesa, A. López-Quílez and J. M. Bellido (2017). Spatio-Temporal model structures with shared components for semi-continuous species distribution modelling. *Spatial Statistics*, 22, 434--450.
9. R. Gómez-Calvet, D. Conesa, A. Gómez-Calvet and Emili Tortosa-Ausina (2016). On the dynamics of eco-efficiency performance in the European Union. *Computers and Operations Research*, 66, 336--350.
10. D. Conesa, M.A. Martínez-Beneito, R. Amorós and A. López-Quílez (2015). Bayesian Hierarchical Poisson Models with a hidden Markov structure for the detection of influenza epidemic outbreaks. *Statistical Methods in Medical Research*, 24(2): 206--223.

C.2. Congress

1. D. Conesa, M. Cendoya, A. Hubel and A. Vicent-Civera (2021). Barrier effects on the spatial distribution of *Xylella fastidiosa* in Alicante, Spain. Oral communication. virtual National Centre for Statistical Ecology (vNCSE) meeting.
2. D. Conesa, P. Espinosa, A. Forte and E. Tortosa-Ausina (2017). Bank branching in Spain: analyzing the 1999-2011 period. Invited oral speaker. 2nd Edition of BiDAS (Bilbao Data Science Workshop).
3. D. Conesa (2017). Modeling where things are. Invited plenary speaker. XVII día de la Estadística en Cataluña.
4. D. Conesa, J.M Bellido, A. López-Quílez, F. Muñoz, I. Paradinas and M.G. Pennino (2017). Identifying the best fishing-suitable areas using Bayesian spatio-temporal models. Oral communication in invited session. TIES-GRASPA 2017 on climate and environment.
5. D. Conesa (2016). Spatio-temporal species distribution modelling. Invited oral speaker, II Encontro Luso-Galaico de Biometria.
6. D. Conesa (2016). Species distribution Modelling. Invited oral speaker. First Scotland and València Workshop on Bayesian Statistics.
7. D. Conesa (2015). Revisiting Bayesian hierarchical models, a tool to approach many highly complicated real systems. Invited plenary speaker. XV Conferencia Española de Biometría y V Encuentro Iberoamericano de Biometría.
8. D. Conesa, X. Barber, A. López-Quílez, S. Lladosa, M. González-Warletta and M. Mezo (2014). Modelling the presence of diseases using Bayesian kriging under uncertainty in the covariates. Invited oral speaker Workshop on Statistics and Applications. Guimaraes (Portugal).
9. D. Conesa, R. Amorós, A. López-Quílez and M.A. Martínez-Beneito (2014). Modeling the detection of influenza outbreaks: going from temporal to spatiotemporal models. Invited oral speaker. One-day Workshop on Spatial-Temporal Models in Epidemiology and Health. Lisboa.
10. D. Conesa, R. Amorós, M.A. Martínez-Beneito and A. López-Quílez (2012). Bayesian hidden Markov. Workshop Statistical Modelling in Medical and Environmental Sciences. Guimaraes (Portugal).

C.3. Research projects

1. GVA-THINKINGAZUL/2021/021. Modelización espacio-temporal y propuestas de mitigación del riesgo climático en acuicultura (ModEstA). GVA supported by MCIN with funding from European Union NextGenerationEU (PRTR-C17.11). PI: Xavier Barber Vallés. 06/2022-05/2025. 179630 euros.
2. Land Use and Management modelling for Sustainable Governance (LAMASUS; Project number 101060423). Horizon Europe-the Framework Programme for Research and Innovation (2021-2027). IP: Tamás Krisztin (IP-UV: David Conesa). 01/09/2022—31/08/2026. 4,995,816.25 euros (110000 euros UV).
3. PID2019-106341GB-I00. MODELIZACION BAYESIANA DE DATOS COMPLEJOS CORRELADOS (BAYES-COCO). Ministerio de Ciencia e Innovación. IPs: Carmen Armero y David Conesa. 01/07/2020—30/06/2023. 55.660,00.
4. E-RTA2017-00004-C06-01, Desarrollo de estrategias de erradicación, contención y control de *Xylella fastidiosa* en España: análisis de riesgos y erradicación. Ministerio de Economía, Industria y Competitividad. Antonio Vicent Civera. (Instituto Valenciano de Investigaciones Agrarias (IVIA)). 01/01/2018-31/12/2020. 136.241 €.
5. MTM2016-77501-P, Modelos bayesianos para datos correlados en ciencias de la vida (BaiCorre) Ministerio de Economía y Competitividad. Carmen Armero Cervera / David Conesa. (Universitat de València). 01/01/2017-31/12/2019.
6. TEC2016-81900-REDT, Avances en métodos núcleo para datos estructurados Ministerio de Economía, Industria y Competitividad. Gustau Camps-Valls. (Universitat de València). 01/01/2017-31/12/2018. 20.000 euros.
7. Atlas Biogeográfico de las especies de mayor interés pesquero en el Mediterráneo español. Una aproximación espacio-temporal para el enfoque ecosistémico a la gestión de pesquerías en el Mediterráneo español. Fundación Biodiversidad. IP: Iosu Paradinas (IPAR PERSPECTIVE). 01/01/2017-31/12/2017. 30250 euros
8. GVACOMP-2015-202, Ayuda complementaria al Proyecto Combinacion y propagacion de incertidumbres Ministerio de Economía y Competitividad. IP: Carmen Armero. 01/01/2015-31/12/2015. 15500 euros.
9. MTM2013-42323-P, Combinacion y propagacion de incertidumbres Ministerio de Economía y Competitividad. IP: Carmen Armero. 01/01/2014-31/12/2016. 121.443,76 euros.
10. GVACOMP-2013-152. Validación e implementación de modelos bayesianos en aplicaciones de vanguardia. Generalitat Valenciana. IP: Susie Bayarri. 01/01/2013-31/12/2013. 12600 euros. Euros.

C.4. Contracts, technological or transfer merits

1. Contrato para análisis de datos de la ceratitis. Generalitat Valenciana. IPs: David Conesa y Antonio López-Quílez. 03/2022--12/2022: 32.000 euros.
2. Coordinació de l'edició de la revista SORT. Institut d'Estadística de Catalunya (Generalitat de Catalunya). 2022. IP David Conesa. 10.502,20 euros
3. Coordinació de l'edició de la revista SORT. Institut d'Estadística de Catalunya (Generalitat de Catalunya). 2021. IP David Conesa. 10.502,20 euros
4. Contrato de investigación y desarrollo entre la organización interprofesional del aceite de oliva Español y las siguientes entidades u organismos: la agencia estatal Consejo Superior de Investigaciones científicas, M.P.; el Instituto Valenciano de Investigaciones Agrarias; la Universitat de València; la universidad de Girona; la Universidad de las Islas Baleares; el Instituto de Investigación y Tecnología Agroalimentarias; el Instituto de Investigación y Formación Agraria y Pesquera Organización interprofesional del aceite de oliva Español. IP Blanca Landa del Castillo. (David Conesa por la Universitat de València) 20/08/2018-20/08/2021. 544.500 € (67000 UV).
5. Servicio de asesoría en tareas del proyecto CREAM Instituto Español de Oceanografía. David Conesa. (Universitat de València). 01/04/2014-P08M. 4.150 €.
6. Servicio de asesoría en tareas proyecto BADMINTON Instituto Español de Oceanografía. David Conesa. (Universitat de València). From 01/12/2012. 1.050 €.