

## CURRICULUM VITAE ABREVIADO (CVA)

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

CVA Date	16/05/2025
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### Part A. PERSONAL DATA

Name	Roberto		
Last Name	Baelo Álvarez		
Sex (*)	Male	Date of Birth (dd/mm/yyyy)	02/07/1976
DNI, NIE, Passport	44430530G		
Email	roberto.baelo@unileon.es	URL Web	
Open Researcher and Contributor ID (ORCID)	0000-0003-1003-6739		

\* dato obligatorio

### A.1. Current Professional Situation

Position	Associate Professor		
Starting date	2019		
Organism/ Institution	UNIVERSIDAD DE LEÓN		
Departament/ Center	DIDÁCTICA GENERAL Y ESPECÍFICAS Y TEORÍA DE LA EDUCACIÓN		
Country	Spain	Telephone	
Keywords	Reforms and innovation in education; Educational reforms and curricular innovation; Curricular content and strategies; Resources and technologies in education		

### A.3. Academic Training

Degree/Master's/Thesis	University/Country	Year
Official PhD Program in Psychology and Educational Sciences	León/Spain	2008

**Part B. CV SUMMARY (max. 5,000 characters, including spaces): VERY IMPORTANT:**  
The content of this section has been modified to further align with the DORA principles.  
Please read the “Instructions for completing the CV” carefully.

I have held leading positions and roles in research, teaching, and university management. My work as Vice-Rector at the University of León (2016-2024) allowed me to develop university management actions at the highest level, including participating in the Executive Committee of CRUE - Internationalization and Cooperation. As the Rector's Delegate for the EURECA-PRO Alliance since June 2024, I coordinate the role of the University of León in the integration of the EURECA-PRO European University, funded by the European Commission. Within this initiative, I develop collaborative projects within the framework of European higher education, promoting innovative training models based on sustainability and the use of technologies. Regarding my scientific contributions, I lead the Edutools research group and the Consolidated Research Unit No. 336 of the Regional Government of Castile and León, where we have developed projects that have improved educational inclusion and the quality of teaching using technological tools. I have been a Principal Investigator (PI) on international projects and participated in national and regional projects. I have collaborated on research with universities in Sweden, Colombia, and Mexico. I have published more than 30 scientific articles in journals indexed in WOS, SCOPUS, and JCR, as well as book chapters in publishers in the first quartile of the SPI. My h-index is 15 on Google Scholar, with more than 1,600 citations, reflecting the relevance of my contributions to knowledge. My contributions to society have been reflected in technology transfer activities and the creation of tools applied to the educational field, such as the development of a self-executing document manager, funded by the Regional Strategy for Scientific Research. I have also participated as a scientific advisor for media outlets such as ATRESMEDIA, where I have advised on programs related to education, science, and technology. I have also actively participated in various editions of EXPOCIENCIA UNILEON, a scientific outreach event that engaged more than 400 researchers

and promoted interest in science among young people. Regarding the training of young researchers, I have supervised 15 Master's Thesis (MFT), 5 doctoral theses, and several predoctoral and postdoctoral contracts, contributing to the career development of researchers in training. My work as a mobility program tutor and evaluator on scientific committees has been essential for the development of strong research teams and the promotion of new generations of researchers. I have also participated as a guest editor in prestigious journals, which reinforces my commitment to the dissemination of academic knowledge.

My commitment to teaching innovation has been reflected in the creation and coordination of MOOC courses and the implementation of teacher training programs internationally, both in-person and online. I highlight my work in the design of courses focused on the acquisition of digital skills and the use of emerging technologies in education. I have also developed teaching materials that have been published by renowned publishers, contributing to pedagogical innovation and the continuous improvement of teaching.

Among my most notable achievements are three six-year research periods and one six-year transfer period recognized by the CNEAI (National Council of Spanish National Research Councils), which attest to the quality and impact of my scientific output. I have also been awarded the Research Prize from the Economic and Social Council of Castile and León (2017) and the Extraordinary Doctoral Award (2012), in addition to receiving an Honorable Mention at the National Awards for Educational Innovation (2005).

My career is characterized by an interdisciplinary approach and a strong commitment to the internationalization of higher education, leading academic cooperation projects and promoting strategies that improve educational quality through the integration of emerging technologies. In the future, my goal is to continue contributing to the advancement of research and academic training, strengthening cooperation between universities, and promoting teaching innovation and educational inclusion globally.

## **Part C. LIST OF MOST RELEVANT CONTRIBUTIONS –.**

### **C.1. Major publications in books and journals with peer review and conferences (see instructions)**

1 **Scientific Article**. Paula García-Llamas; Angela Taboada; Patricia Sanz-Chumillas; Luísa Lopes-Pereira; (5/5) Roberto Baelo Álvarez. 2025. Breaking barriers in STEAM education: Analyzing competence acquisition through project-based learning in a European context. International Journal of Educational Research Open. Elsevier. 8. ISSN 2666-3740. <https://doi.org/10.1016/j.ijedro.2025.100449>

2 **Scientific Article**. Roberto Baelo Álvarez; María Angeles Turrado Sevilla. 2024. La Inspección de Educación como factor clave en la implementación de estrategias innovadoras para la enseñanza STEAM en los centros educativos. Supervisión 21: revista de educación e inspección. Unión Sindical de Inspectores de Educación, USIE. 74.

3 **Scientific Article**. C. Sierra; C. Boente; (3/5) R. Baelo (AC); L. Estévez; E. Rosales-Asensio. 2024. Exploring the Academic Paths and Professional Aspirations of GenZ STEM Students in the Canary Islands. International Journal of Engineering Education. Tempus Publications. 40-4, pp.815-832. ISSN 0949-149X.

4 **Scientific Article**. Ismael Vieira; (2/3) Roberto Baelo; Paula Peres. 2024. Didactic models in digital education: reflections for an international comparative study. PRATICA - Revista Multimédia De Investigação Em Inovação Pedagógica E Práticas De E-Learning. 72, pp.81-87. ISSN 2184-1837. <https://doi.org/10.34630/pel.v7i2.5796>

5 **Scientific Article**. Sahar Karami; Mohammad Shariati; Dean Parmelee; Hooman Shahsavari; Akram Sadeghian; (6/8) Roberto Baelo Álvarez; Abir Zitouni; Maryam Alizadeh. 2024. Breaking down barriers and building up facilitators of lecture free curriculum in medical education: An interpretive structural modeling. Medical Teacher. Taylor & Francis. pp.1-16. ISSN 1466-187X. <https://doi.org/10.1080/0142159X.2024.2343025>

6 **Scientific Article**. Carlos Sierra; Carlos Boente; Abir Zitouni; (4/5) Roberto Baelo; Enrique Rosales-Asensio. 2024. Resilient Strategies for Internet-Based Education: Investigating Engineering Students in the Canary Islands in the Aftermath of COVID-19. Sustainability. MDPI. 16-1574. ISSN 2071-1050. <https://doi.org/10.3390/su16041574>

7 **Scientific Article**. Rosa Eva Valle Flórez; Ana María de Caso Fuertes; (3/4) Roberto Baelo Álvarez (AC); Rosario Marcos Santiago. 2022. Inclusive Culture in Compulsory Education Centers: Values, Participation and Teachers' Perceptions. Children. Multidisciplinary Digital Publishing Institute (MDPI). 9-6. ISSN 2227-9067. <https://doi.org/10.3390/children9060813>

8 **Scientific Article**. Laura Estévez Mauriz; (2/2) Roberto Baelo Álvarez (AC). 2021. How to evaluate the STEM Curriculum in Spain?. Mathematics. Multidisciplinary Digital Publishing Institute. 9-3. ISSN 2227-7390. <https://doi.org/10.3390/math9030236>

9 **Scientific Article**. Roberto Baelo Álvarez; Rosa Eva Valle Flórez. 2016. Mobile applications for concept maps: Analysis and proposed criteria for its use in education. eLearning and Software for Education. "CAROL I" National Defense University Publishing House. 1-180, pp.17-23. ISSN 2066- 026X. <https://doi.org/10.12753/2066-026X-16-002>

10 **Scientific Article**. Maria Svensson; (2/2) Roberto Baelo Álvarez (AC). 2015. Teacher students' perceptions of their digital competence. Procedia - Social and Behavioral Sciences. Elsevier. 180, pp.1527-1534. ISSN 1877-0428.

## C.2. Congresses

1 Roberto Baelo Álvarez. Formação de profissionais e Inteligência Artificial: desafios e perspectivas. Congresso Internacional do Programa Despertando Vocações. Instituto Internacional Despertando Vocações. 2024. Brasil. Invited lecture/ Keynote. Conference.

2 Ismael; Roberto; Paula. Didactic models in digital education: reflections for an international comparative study. P.Pic24 - Porto Pedagogical Innovation Conference. Instituto Politécnico do Porto. 2024. Portugal. Oral presentation. Conference.

3 Grande de Prado, Mario; García Martín, Sheila; Baelo Álvarez, Roberto; Abella García, Víctor. Escape rooms y formación de maestros: qué piensan los futuros maestros. GAMOTEC 2023. International workshop on GAMification and MOTivational TEChnologies. Generés. Universidad de Zaragoza. 2023. Oral presentation. Conference.

4 Grande de Prado, Mario; García Martín, Sheila; Baelo Álvarez, Roberto; Abella García, Víctor. Artificial Intelligence: A Review of Educational Literature in Spain. 2nd International Conference New Media Pedagogy. Jagiellonian University. 2023. Portugal. Oral presentation. Conference.

5 Baelo Álvarez, Roberto. Assessing learning in the age of artificial intelligence. Congresso Internacional de AValiação de Aprendizagem. Instituto Internacional Despertando Vocações (IIDV). 2023. Invited lecture/ Keynote. Conference.

## C.3. Projects

1 **Project**. 101136779, Heritage Innovation in EURECA-PRO Alliance - HI-EURECA-PRO. Comisión Europea. Theocharis Tsoutsos. (Technical University of Crete). 01/03/2024-29/02/2028. 4.299.899,5 €. Research team member.

2 **Project.** 101179451, BEWBU - Blended Education in Western Balkans Universities. Comisión Europea. Elda Tartari. (University "Aleksandër Moisiu" Durrës). 01/11/2024-31/10/2027. 797.180 €. Principal Investigator; Universidad de León.

3 **Project.** PID2023-149069OA-I00, EdU-InA: Políticas y prácticas sobre la inteligencia artificial generativa en la educación universitaria. Ministerio de Ciencia e Innovación. Universidades. Cristina Mercader Juan. (Universitat Autònoma de Barcelona). 01/09/2024-31/08/2027. 90.625 €. Coordinator; Universidad de León.

4 **Project.** 2024-1-FR01-KA220- HED-000249332, IDEES - Inclusive Diversity in European Education System. Agence Erasmus+ France / Education Formation. Roberto Baelo Álvarez. (Université de Lorraine). 01/09/2024-31/08/2027. 400.000 €. Principal Investigator; Universidad de León.

5 **Project.** PID2022-136430OB-I00, El Metaverso: la Realidad Extendida (Virtual y Aumentada) en la educación superior: Diseño, Producción, Evaluación y Formación de programas de realidad extendida para la enseñanza universitaria (MEREVIA). Ministerio de Ciencia, Innovación y Universidades. María del Carmen Llorente Cejudo. (Universidad de Sevilla). 01/09/2023-31/08/2027. 110.000 €. Research team member.

6 **Project.** 2024-1-ES01-KA220-HED-000257917, Dyna Diversa - Dynamic Training Program for Diversity Management Skills Enhancement (DMS) in HED Environments. Servicio Español para la Internacionalización de la Educación. 01/12/2024- 30/11/2026. 250.000 €. Principal Investigator; Universidad de León.

7 **Project.** 2022/436-001, Universities in Support of EU Integrations, Goals, Policies, and Values - Unis4EU. Comisión Europea. Alija Kozljak. (International Burch University). 09/09/2022-08/09/2025. 283.470,41 €. Investigador principal. Principal Investigator; Universidad de León and leader of the Project's Advisory Team.

8 **Project.** EDU/322/2022, Asesoramiento y evaluación de la inspección educativa en la implementación de prácticas educativas innovadoras en el ámbito de la competencia científica en centros docentes de Castilla y León. Junta de Castilla y León. María Ángeles Turrado Sevilla. (Consejería de Educación de la Junta de Castilla y León). 16/09/2022-16/09/2024. 5.000 €. €. Co-Principal Investigator; Universidad de León (Co-IP).

#### **C.4. Participation in technology/knowledge transfer activities and exploitation of results**

- Roberto Baelo Álvarez; María Fernández Raga; Laura Estévez Mauriz; Oliver Torres Reynoso. 2023-000013. Scientific work on research career development Spain. 27/10/2023. Universidad de León.
- Roberto Baelo Álvarez; María Fernández Raga; Laura Estévez Mauriz; Oliver Torres Reynoso; Paula García Llamas. 2023 - 000007. Game Cards4Ratio España. 26/10/2023. Universidad de León.
- Roberto Baelo Álvarez; María Fernández Raga; Laura Estévez Mauriz; Oliver Torres Reynoso; Paula García Llamas. 2023 - 000006. Game UleLink España. 26/10/2023. Universidad de León.