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|  | Spanish, 30 December 1975 | | | | | | | | | | | | | | |
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|  | 2004 – present | | | | | | | | | | | | | | |
|  | Senior Researcher | | | | | | | | | | | | | | |
|  | * Leads the energy policy studies and the socio-economic impact assessment group at CIEMAT. * Participates in international research consortia in the area of energy and climate change policies, energy technologies sustainability assessment. * Responsible for the scientific and administrative coordination of EU funded project BETTER (www.better-project.net). * Co-leads the Concerted Action on the Renewable Energy Directive on Cooperation Mechanisms. * Expert at the IEA-PVPS contributing in sustainability impact assessment methodologies * Author and co-author in scientific articles in peer reviewed journals * Reviewer and evaluator of research project proposals; Lecturer in and Phd thesis advisor. | | | | | | | | | | | | | | |
|  | CIEMAT (Ministry of Economics and Competitiveness). Av. Complutense 40, 28040 Madrid, SPAIN | | | | | | | | | | | | | | |
|  | Public Energy Research Centre (www.ciemat.es) (http://rdgroups.ciemat.es/web/ase) | | | | | | | | | | | | | | |
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|  | 2002 – 2004 | | | | | | | | | | | | | | |
|  | Research Analyst | | | | | | | | | | | | | | |
|  | Evaluated development policies as well as development programs in various developing countries | | | | | | | | | | | | | | |
|  | International Food Policy Research Institute – 2033 K Street, 20006-1002 Washington DC, EEUU | | | | | | | | | | | | | | |
|  | International Research Organization (www.ifpri.org) | | | | | | | | | | | | | | |
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|  | 2001 – 2002 | | | | | | | | | | | | | | |
|  | Consultant | | | | | | | | | | | | | | |
|  | Conducted research and impact evaluation of various development programs | | | | | | | | | | | | | | |
|  | United Nations – (World Food Programme and Millenium Development Goals Programme/HTF) | | | | | | | | | | | | | | |
|  | International Organization (www.wfp.org) | | | | | | | | | | | | | | |
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|  | 1999 – 2001 | | | | | | | | | | | | | | |
|  | Research Assistant | | | | | | | | | | | | | | |
|  | Conducted research on poverty reduction policies in Latin America | | | | | | | | | | | | | | |
|  | University of Wisconsin-Madison, Agricultural and Applied Economics Department | | | | | | | | | | | | | | |
|  | University / Research ([www.aae.wisc.edu](http://www.aae.wisc.edu)) | | | | | | | | | | | | | | |
|  | 2005 – present  Executive Board Member (volunteer)  Energía Sin Fronteras (www.energiasinfronteras.org) | | | | | | | | | | | | | | |
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|  | 2007 | | | | | | | | | | | | | | |
|  | PhD | | | | | | | | | | | | | | |
|  | Applied and Natural Resources Economics – Development Economics  Thesis title: Impact Evaluation of a social safety net program in Nicaragua | | | | | | | | | | | | | | |
|  | E.T.S.I.A. Polytechnic University of Madrid (Spain) | | | | | | | | | | | | | | |
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|  | 2001 | | | | | | | | | | | | | | |
|  | Master of Science | | | | | | | | | | | | | | |
|  | Applied Economics – Development Economics | | | | | | | | | | | | | | |
|  | University of Wisconsin (Madison- EEUU)  Agricultural and Applied Economics Department | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | |
|  | 1997 | | | | | | | | | | | | | | |
|  | B.S. in Economics and B.S. Business Administration | | | | | | | | | | | | | | |
|  | Economics and Business Administration | | | | | | | | | | | | | | |
|  | Universitat Pompeu Fabra (Barcelona-Spain) | | | | | | | | | | | | | | |
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|  | Spanish and Catalan | | | | | | | | | | | | | | |
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|  |  | | | A2 | Basic user | A1 | Basic user | | A1 | Basic user | A1 | | Basic user | A1 | Basic user |
|  | (\*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en) | | | | | | | | | | | | | | |
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|  | Positive attitude, team spirit and good communication skills in a multicultural environment  Organized with experience in international projects management. | | | | | | | | | | | | | | |
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|  | Proficiency in the evaluation of socio-economic impacts of national and international policies as well as energy technologies and processes. Knowledge of energy models from the TIMES family | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | |
|  | Good command of Microsoft Office tools; data analysis andstatistical software (Stata) and basic knowlede of programming languages (Gams) | | | | | | | | | | | | | | |
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|  | * Energía sin Fronteras – Various positions since 2005 * Africa Directo – Worked in Various tasks in Madrid and in Malawi | | | | | | | | | | | | | | |
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|  | Participation in R+D projects, Publications, Contributions to Conferences, Symposium and Scientific Seminars and other merits | | | | | | | | | | | | | | |

###### Participation in R+D Projects

1. 2012-2015. Bringing Europe and Third countries closer together through renewable Energies (BETTER),Inteligent Energy Europe (IEE) - COORDINATOR
2. 2011-2013. RES4LESS. Cost-efficient and sustainable deployment of renewable energy sources towards the EU 20% target by 2020, and beyond. Financing entity EU
3. 2011-2013. INER. Study of the economic, social and environmental net impacts associated to the promotion of the renewal energy technologies in the Spanish Energy System. Financing entity: Ministerio de Ciencia e Innovación
4. 2009-2011. ATEST. Analysing Transition Planning and Systemic Energy Planning Tools for the implementation of the Energy Technology Information System. Financing entity: EU
5. 2009-2012. Proyecto Criterios de sostenibilidad de biocarburantes. Incorporación de los criterios de sostenibilidad de las directivas europeas en el análisis de ciclo de vida de combustibles alternativos. Apoyo técnico al Ministerio de Medioambiente, Rural y Marino (MMARM).
6. Effective and low-disturbing biofuel policies (ELOBIO). Intelligent Energy Europe (IEE) (2007-2010)
7. 2006-2011. Deployment of innovative low power fuel cell vehicle fleets to initiate an early market for Hydrogen as an alternative fuel in Europe (HYCHAIN MINI-TRANS). Financing entity: EU
8. 2006-2008. CURB-AIR: CDM and Urban Air Pollution: Partnerships enhancing synergies in Urban Air and Health in Kyoto mechanisms. Financing entity: EU (Th/Asia Pro Eco/06)
9. 2006-2007 Socioeconomic Research on Fusion SERF6. Financing entity: EFDA
10. 2005-2009. Desarrollo, Demostración y Determinación de la Viabilidad de la Producción de Energía en España a partir de la Biomasa de Cultivos Energéticos. Financing entity: National Research Programme.
11. 2005-2008. Optimización de la predicción de energía eólica para su integración en el sistema de gestión eléctrica: Un desarrollo global unificando la predicción del viento y el comportamiento del sistema eólico. IN-VENTO. Financing entity: National Research Programme.
12. 2005-2008. Evaluación de las consecuencias medioambientales de la mejora de la calidad de los combustibles para el transporte. Financing entity: Ministry of Environment.
13. 2005-2006 Socioeconomic Research on Fusion SERF5. Entidad financiadora: EFDA
14. 2004-2007 New Energy Externalities Development for Sustainability NEEDS. Financing entity: EU
15. 2005-2007 European Sustainable Electricity EUSUSTEL. Financing entity: EU

###### Publications

***Books and book chapters***

1. Natalia Caldes Gomez; Yolanda Lechon Pérez.Socio-economic and environmental assessment of concentrating solar power systems. Concentrating solar power technology Principles, developments and applications. Woodhead Publishing Series in Energy,19/11/2012 .
2. Lechon Perez 2; de la Rúa Lope 1; Caldes Gomez.Comparing process Life Cycle Assessment and Input-output Life Cycle Assessment: Bioethanol Production in Spain.Towards Life cycle Sustainability Management.Springer,2011
3. N. Caldés and Y. Lechón Capítulo Análisis de externalidades de las energías renovables en Tratado de Energías Renovables. Vol I. Aspectos socioeconómicos y Tecnológicos. Pp 951-1003. [Ed. Aranzadi, SA](http://www.aranzadi.es/index.php/catalogo/tipo/libros/tratado-de-energias-renovables-2-tomos). ISBN 978-84-9903-484-3. 2010
4. N. Caldés, Y. Lechón, M. labriet, H. Cabal, C. dela Rúa, R. Sáez, M. Varela. Description of the Energy System of Spain. Informes Técnicos CIEMAT. 1150. Setiembre 2008.
5. H. Cabal, Y. Lechón, L. Izquierdo, N. Caldés R. Sáez. El Sistema Eléctrico en la Península Ibérica. Aspectos Medioambientales y Costes Sociales. Colección Documentos CIEMAT. 2008. ISBN:978-84-7834-572-4
6. Valuation of the environmental consequences of the improvement in the quality of fuels for transport. Tasks 2 and 5. Economic valuation of the environmental consequences of the promoting policies of biofuels for transport.. Air quality and climate change. N.Caldés, M.Santamaría, Y.Lechón, H.Cabal, L..Izquierdo, R.Sáez, M.Fernández. ISBN 978-84-7834-591-5, 2008
7. N.Caldés, L.Izquierdo and M. Labriet. Curb-Air sectoral best practices. Case studies on how to simultaneously improve urban air quality and mitigate climate change. Libro de la serie documentos CIEMAT, ISBN 978-84-7834-608-0, 2009
8. M. Varela, N.Caldés, Y.Lechón, C. de la Rúa, R.Sáez. Impactos Económicos y Medioambientales de las promoción de las centrales eléctricas termosolares en España. Libro de la Serie Documentos CIEMAT , ISBN ISBN-978-84-7834-551-9, 2007
9. N. Caldés, Y. Lechón. Chapter 5: Socioeconomic and environmental assessment of CSP. Concentrating Solar Power (CSP) technology: Developments and Applications. Edited by Dr Keith Lovegrove & Mr Wes Stein. Woodhead Publishing (in press)
10. S. Bakker, N. Caldés, M. Labriet, T. Lefevre, J.Todoc, L. Leteng The Urban War against Climate Change (Edited by Kenny Tang) Capítulo: Better urban air quality and the CDM. Bringing together local and global interests. Green Leaf Publishing. ISBN 978-1-906093-22-8 (2009)
11. N.Caldés, D.Coady, J.A. Maluccio. Chapter 6: The cost of Poverty Alleviation Transfer Programs: A comparative Analysis of three programs in Latin America. Conditional Cash Transfers in Latin America: A Magic Bullet for Poverty Reduction? Edited by Michelle Adato and John Hoddinott. IFPRI/John Hopkins University Press Book Series (in press)
12. N. Caldés and A. Ahmed. Food For Education: A review of program impacts. UN Millenium Project 2005: Halving Hunger: it can be done. Task force on Hunger. The Earth Institute at Columbia University, NY, U.S.A ISBN 1844072207 (2005)

###### Articles in journals

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1. B. Gabrielle, L. Bamière, N. Caldes, S. Damman, S. De Cara, G. Decocq, F. Ferchaud, Y. Lechón, E. Lo-Pelzer, C. Loyce, J. Wohlfahrt, G. Richard Paving the way for sustainable bioenergy in Europe: technological options and research avenues for large-scale biomass feedstock supply. Renewable & Sustainable Energy Reviews 33 (2014) 11-25
2. Y. Lechón, H. Cabal, C. de la Rúa. N. Caldés, M. Santamaría and R. Sáez. Energy and greenhouse gas emission savings of biofuels in Spain’s transport fuel. The adoption of the EU policy on biofuels. *Biomass and bioenergy* 33 (2009) 920-932.
3. Lechón, Y., H. Cabal, N. Caldés, M. Santamaria and R. Sáez. Global warming avoided emissions with the adoption of biofuel policies in Spain. *International Journal of Global Warming* (2009)
4. Caldés N., Varela M., Santamaría M., Sáez R. Economic impact of solar thermal electricity deployment in Spain. Energy Policy, 37(2009) 1628-1636
5. Caldés N., Santamaría M., Sáez R. Socioeconomic impact of solar thermal electricity deployment in Spain. A brief review. Modern Energy Review (in press)
6. M. Labriet, N. Caldés and L. Izquierdo A Review on Urban Air Quality,Global Climate Change and CDM issues in Transportation Sector. Int. J.Global Warming. 1, Nos. 1/2/3, (2009).
7. N.Caldés, D. Coady and J. Maluccio The cost of poverty alleviation Transfer programs: a comparative analysis of three programs in Latin America. World Development 34, N.5, 818-837 (2006).I.Impacto (2009):1,225
8. N. Caldés, J. Maluccio. The cost of conditional Cash Transfers: the Nicaraguan Red de Proteccion Social. Journal of International Development 17, 151-168 (2005).

###### Contributions to Conferences, Symposium and Scientific Seminars

1. Natalia Caldes; Cristina de la Rúa; Massimo Moser; Tobias Fitchner; Franz Trieb; Marta Santamaria. BETTER. Is the Article 9 of the RES directive an opportunity to further deploy CSP technologies in Northern Africa. Interantional Conference SolarPaces 2012 – Marrakech, Morocco
2. N.Caldés, M.Santamaría, F.Dalla, T.Bole-Rentel, Y.Lechon, H.Cabal, and R.Sáez. Are the cooperation mechanisms an opportunity for Spanish renewable energy industry further development? VII Congreso de la Asociación Española para la Economía Energética in January 2012.
3. N. Caldés, F. Dalla Longa, M. Santamaría, T. Bole, H. Cabal, Yl Lechón, R. Sáez, P. Van der Osterkam.Cost efficient and sustainable development of renewable energy sources (RES) in the period up to 2020 and 2030. SolarPaces Conference. Granada - Spain2011
4. Cristina de la Rua, Yolanda Lechon, Natalia Caldes and Rosa Saez. Comparing process LCA and IO-LCA: bioethanol production in Spain. Oral presentation at the CML 2011. 28-31 August 2011. Berlin (Germany).
5. Caldés N., Santamaría M. Economic impact of solar thermal electricity deployment in Spain. II Workshop on Public Policies: Training Program Evaluation and Renewable energy promotion. Sevilla, Spain; 13-14 Abril, 2010.
6. Lechón Y., Cabal H., Caldés N., Santamaría M. and Sáez R Greenhouse gas emissions from land use changes due to the adoption of biofuel policies in Spain.Workshop “Land use changes due to bioenergy quantifying and managing climate change Helskinki, Finland; 30 Marzo-1 Abril, 2009
7. Caldés N., Labriet M., Izquierdo L.International Experiences in Addressing Urban Air Quality and GHG Emissions. Global Conference on Global Warming Istambul, Turquía; 8 Julio 2009
8. Caldés N., Lechón Y., Santamaría M., Cabal H., and Sáez R. Economic evaluation of the environmental consequences derived from Biofuel promotion policies in Spain. 16th European Biomass Conference. Valencia, Spain; 2-6 Junio, 2008.
9. Caldés N., Labriet M., Izquierdo L. International Experiences in Addressing Urban Air Quality and GHG Emissions. International Workshop – Combating Urban Air Pollution and Climate Change in Asia. Bruselas, Bélgica; 9 Enero 2008
10. Caldés N., Labriet M., Izquierdo L. International Experiences in Addressing Urban Air Quality and GHG Emissions. 9th Highway and Urban Environmenta Symposium (HUES) Madrid, España;, 6 Junio 2008
11. Caldés N., Lechón Y., Santamaría M., Cabal H. and Sáez R. Economic evaluation of the environmental consequences derived from Biofuel promotion policies in Spain. 16th European Biomass Conference Valencia, España; 2-6 Junio 2008.
12. Caldés N, Labriet M., Izquierdo L.CDM and urban air pollution: partnerships enhancing synergies in urban air quality and kyoto mechanisms. UITP- International Conference: “Hacia un transporte sostenible en América Latina” Guayaquil ,Ecuador; 22 Marzo 2007
13. Caldés N, Labriet M., Izquierdo L.International Experiences in Addressing Urban Air Quality and GHG Emissions through Transportation Measures. ASIA PROECO Regional Dissemination Workshop – 2nd CURBAIR Regional Dis. Workshop Bangkok, Tailandia; 18 December 2007
14. Labriet M., Cabal H., Caldés N., Lechón L. Future Energy Policies in Spain given the European Energy and Climate Policy Framework. International Energy Workshop. Standford, E.E.U.U; 25-27 Junio 2007.
15. Caldés N, Varela M, Sáez R. Economic Impact of Solarthermal electricity deployment in Spain. International Symposium on Concentrating Solar Power and Chemical Energy technologies. Sevilla, Spain; 20-23 Junio 2006
16. Caldés N, Varela M., Sáez R. CDM and urban air pollution: partnerships enhancing synergies in urban air quality and Kyoto mechanisms. 1st UITP Sustaianble Development Conference. Bilbao, Spain; 18-20 Octubre 2006

Madrid, April 2016