

**Dr Laure de PREUX**

Imperial College London  
 Imperial College Business School  
 South Kensington Campus  
 London, SW7 2AZ

[www.lauredepreux.com](http://www.lauredepreux.com)  
 L.dePreux@imperial.ac.uk  
 +44 20 7594 9349

---

**EMPLOYMENT****Imperial College London, United Kingdom**

Sep 2016 – Present **Assistant Professor (Lecturer)**  
 Business School, Economics & Public Policy Department

May 2013 – Aug 2016 **Research Associate - British Academy Post-Doctoral Fellow**  
 Business School, Health Management Group

**London School of Economics and Political Science, United Kingdom**

Aug 2008 - May 2013 **Research Officer** (part-time; RA in 2008-2011)  
 Centre for Economic Performance, Innovation and Productivity & Wellbeing Groups

**QUALIFICATIONS**

Oct 2017 - June 2018 **Imperial College London, London, United Kingdom**  
 Fellowship of the Higher Education Academy (FHEA)  
 Postgraduate Programme in University Learning and Teaching

Oct 2006 - April 2013 **University of York, Centre for Health Economics, York, United Kingdom**  
 PhD in Economics (part-time)  
 “Essays on the empirical modelling of the determinants of health and lifestyle”  
 Supervisors: Professor Hugh Gravelle and Professor Maria Goddard  
 Advisory Member: Professor Nigel Rice

Sep 2005 - June 2006 **Universitat Pompeu Fabra, Barcelona, Spain**  
 MSc in Economics (with honours)  
 Graduate Programme in Economics, Finance and Management (GPEFM)

Oct 2001 - June 2005 **HEC (Hautes Etudes Commerciales) University of Lausanne, Switzerland**  
 Master in Business (Licence, 4-year degree)

**TEACHING****Undergraduate**

2016 – present Module leader - Health Economics, Intercolated BSc, ICL BS

2018 – 2019 Module leader - Social Research Methods, Intercolated BSc, ICL BS

**Postgraduate**

2019 - present Module leader - Healthcare and Medical Analytics, Online MSc in Business Analytics, ICL BS

2018 - 2022 Module leader – Health and Environment, MSc in International Health Management, ICL BS

2016 - present Module leader - Healthcare and Medical Analytics, MSc in Business Analytics, ICL BS

2015 Guest Lecturer in the MSc in Environmental Technology, ICL

2013 - 2014 Occasional Lecturer in the MSc Health Economics, Policy and Management, LSE

**Dr Laure de PREUX****PHD STUDENTS' SUPERVISION**

2022 – present: Maxime Roche, Imperial College Business School (with Franco Sassi)  
 2021 – present: Prashant Garg, Imperial College Business School (with Ralf Martin)  
 2021 – present: Charlotte Desterbecq, Université Catholique de Louvain ("comité d'accompagnement")  
 2021 – present: Hassan Fawi, School of Public Health, Imperial College London (with Daniela Fecht)

Past: Dheeya Rizmie (2022), Imperial College Business School (with Marisa Miraldo) “Essays on the Impact of the Environment on Healthcare & Health”

**Internal PhD examiner** (institution): Krystal Lau (Imperial College London), 2020  
**External PhD examiner** (institution): Marion Leroutier (Paris School of Economics), 2021  
 Sahar Shafiei (RMIT University), 2023

**RESEARCH GRANTS AND SCHOLARSHIPS**

2020 The Imperial College COVID19 Research Fund “Adherence to COVID-19 social distancing measures: unequal opportunities?” (£32,791) - PI  
 2019 Faculty Strategic Research Fund (FSRF), SME Engagement Funding – CO-I  
 2018 ESRC LISS DTP CASE Studentship “Estimation of the Health Care Costs Associated with Chronic Conditions in England”, partner: Public Health England – CO-I  
 2018 Joint ESRC / EPSRC Impact Acceleration “Effective air pollution communication to encourage active transport and exposure reduction” – CO-PI  
 2017 Health Economics Commissioning Framework, Public Health England – “To estimate the cost of multi-morbidity across 11 medical conditions on the NHS” – CO-I  
 2017 “A robust assessment of the impact of short-term and local pollution variations on health outcomes” from The Academy of Medical Sciences Springboard – Health of the Public 2040, supported by the Wellcome Trust (£48,504) - PI  
 2016 Health Economics Commissioning Framework, Public Health England – “Estimation of costs to the NHS and social care due to the health impacts of air pollution” – CO-I  
 2014 BA/Leverhulme Small Research Grant, UK (£10,000) - PI  
 2013 British Academy Post-Doctoral Fellowship, UK (£333,011) - PI  
 2012 Royal Economic Society, UK – Conference Grant  
 2007 Ellis Hunter Teaching Fellow Scholarship from the University of York, UK  
 2007 Grant for Research from the University of Lausanne, CH  
 2006 Ellis Hunter Teaching Fellow Scholarship from the University of York, UK  
 2003 Erasmus Scholarship, CH

**PRIZES**

2018 Teaching Excellence Award for Undergraduate, ICL BS  
 2017 Teaching Excellence Award for PhD Supervision, ICL BS  
 2015 Erik Kempe Award in Environmental and Resource Economics, by the European Association of Environmental and Resource Economists, awarded every other year to the best paper in the field of environmental and resource economics

**Dr Laure de PREUX****SERVICE TO PROFESSION**

- 2023 – present Member of the World Health Organization (WHO) Technical Advisory Group (TAG) on Economics for Environment, Climate Change and Health
- 2023 – present Equity, Diversity & Inclusion committee, Imperial College Business School
- 2022 – present Member of the Clean Air Programme Task and Finish Group ‘A Clean Air Community’ organised by UKRI, the Met Office and the National Physical Laboratory
- 2022 – present COMEAP/QUARK ad-hoc group on economic valuation of morbidity related to air pollution, UK Health Security Agency
- 2021 – present Board member of the Advanced Hackspace at Imperial College London
- 2019 – present LSE external examiner (Executive MSc in Health Economics, Policy and Management)

**CONFERENCE ORGANISING**

- 2018 Organised the Imperial Business in the City event focused on the Future of Connected Health, invited Dr Ali Parsa, Founder and CEO of Babylon Health
- 2017 Organised and co-chaired the annual Mobilising Business Conference series, Imperial College London, “Mobilising Business, Acting on Future Health” - [link](#)

**JOURNAL REVIEWING**

American Economic Journal: Economic Policy, The British Medical Journal, BMC Public Health, Environmental and Resource Economics, Economics of Education Review, Global Environmental Change, Health Economics, International Journal of Health Care Finance and Economics, Journal of the Association of Environmental and Resource Economists, Journal of Health Economics, Journal of the European Economics Association, Journal of Environmental Economics and Management, Lancet Planetary Health, Social Science & Medicine, Sustainability

**GRANT/CONFERENCE REVIEWS**

- 2024 Scientific committee of the Annual Conf. European Association of Environmental and Resource Economists
- 2023 Scientific committee of the Annual Conf. European Association of Environmental and Resource Economists
- 2022 British Academy Knowledge Frontiers 2023
- 2019 NIHR Public Health Research Programme, for the MRC call “Invite Only - UKRI GCRF Health and Context Sept 2019”, and for the British Academy “Knowledge Frontiers 2020”
- 2018 Visiting Fellowship scheme for the British Academy
- 2015 iHEA World Congress Scientific Committee (International Health Economics Association)
- 2012 ECHE Scientific Committee (European Conference on Health Economics)

**CONSULTANCIES**

- 2017 European Bank for Reconstruction and Development
- 2008 World Health Organization

**AFFILIATIONS**

- 2018 – present Centre for Health Economics & Policy Innovation (CHEPI), Imperial College London
- 2008 – present Grantham Institute for Climate Change and the Environment, London School of Economics
- 2015 – 2019 Harvard University, TH Chan School of Public Health

**RESEARCH TEAM OUTSIDE IMPERIAL COLLEGE LONDON**

- 2020 – present Health, Labor and Environmental Regulation in Post-Industrial Europe (HEAL), University of Mannheim
- 2019 - present SPHR Network for Health Economics

**Dr Laure de PREUX****INVITED SEMINAR, CONFERENCE AND WORKSHOP PRESENTATIONS**

- 2023 NBER Decarbonizing Industrial Production Workshop, Boston, US (forthcoming)  
 Invited speaker " The Role of Managerial Practices in the Transition Towards Net Zero" at the 25th Congress of Economists, Charleroi, BE (forthcoming)  
 Invited speaker, Jameel Institute Symposium 'How to reduce the impact of climate change on health', UK  
 Seminar, Office of Health Economics, London, UK  
 Seminar, Toulouse School of Economics, FR  
 Seminar, Health Economics and Policy group, School of Medicine, Imperia College London, UK  
 Royal Economic Society Annual Conference, Glasgow, UK  
 Invited speaker, Warwick Women in Economics, UK  
 Panel on Co-Benefits, Imperial College London Sustainability Week, UK  
 Seminar, OECD Health Division, Paris, FR
- 2022 Invited guest speaker to the dggö - Deutsche Gesellschaft für Gesundheitsökonomie e.V. "A Round-Up on Climate and Health", Essen, DE  
 Seminar, Leibniz Universität Hannover, DE  
 Panel, Labour Party Annual Conference, panel on behaviour change to achieve net zero (invited), Liverpool, UK  
 Workshop on Atmospheric Transport and Economic Valuation of Air Pollution, University of Mannheim, DE  
 27<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists, IT  
 Workshop in Environmental Economics Imperial College London - London School of Economics, UK  
 Panel on climate, environment and women's health, Imperial College London Cross-College Network of Excellence in Women's Health, UK  
 ZEW 10th Mannheim Conference on Energy and the Environment, DE  
 Seminar, NOVA-Lancaster Seminar Series: Health Economics & Policy, Lancaster University, UK  
 Invited guest speaker, Human Sciences Symposium, UCL, UK
- 2021 16<sup>th</sup> End-of-Year Conference of Swiss Economists Abroad, CH  
 iHEA 14<sup>th</sup> World Congress in Health Economics, CH  
 Seminar, Grantham Research Institute on climate change LSE seminar, UK  
 ZEW SEEK workshop, Mannheim, DE  
 ASHEcon Virtual Conference, DE
- 2020 ASHEcon Emerging Scholars: Socioeconomic Status, Health, and Exercise
- 2019 iHEA 13<sup>th</sup> World Congress in Health Economics, Basel, CH  
 Seminar, Shanghai Tech University, "Green Management in China", CN  
 Public Health Research and Science Conference, Public Health England (PHE), Manchester, UK
- 2018 13<sup>th</sup> End-of-Year Conference of Swiss Economists Abroad, ETH Zurich, CH  
 Pan European Evaluation of Climate Policies, Mannheim University, DE  
 'Health and Wellbeing on a Changing Planet' symposium at Imperial College London, UK  
 Annual Meeting of the New Champions 2018, World Economic Forum (WEF), Tianjin, CN  
 EuHEA - European Congress in Health Economics, Maastricht University, NL  
 "Expert workshop on the creation and uses of combined environmental and economic performance datasets at the micro-level", OECD, FR  
 Imperial Policy Workshop: Air Quality, Data Science Institute, Imperial College London, UK
- 2017 iHEA 12<sup>th</sup> World Congress in Health Economics, Boston University, US  
 Royal Economic Society annual conference, Bristol, UK
- 2016 Mobilising Business, Acting on Climate Conference, Imperial College Business School, UK
- 2015 iHEA 11<sup>th</sup> World Congress in Health Economics, Bocconi University, IT  
 21<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists, FI  
*Co-winner of the Erik Kempe Award in Environmental and Resource Economics (biannual price)*  
 Seminar, University of Bern, CH  
 CLS (Centre for Longitudinal Studies) Cohort Studies Research Conference 2015, London, UK
- 2014 "Rethinking Barker", The Essen Health Conference, DE  
 "Effects of Early Interventions on Child Health and Education", organised by the University of Surrey, UK  
 Royal Economic Society annual conference, Manchester, UK  
 "Overallocation – a scourge of emission trading systems", organised by the Zurich Carbon Market Association, and Institute of Political Science, University of Zurich, CH  
 King's College London (seminar), UK

**Dr Laure de PREUX****SEMINAR, CONFERENCE AND WORKSHOP PRESENTATIONS (continued)**

- 2012 EuHEA, European Congress in Health Economics, Zürich University, CH  
 4<sup>th</sup> Biennial Conference of the American Society of Health Economists, University of Minnesota, USA  
 Conference on Sustainable Resource Use and Economic Dynamics (SURED 2012), ETH Zürich, Ascona, CH  
 Wellbeing Seminar Series (seminar), Centre for Economics Performance, LSE, UK  
 Applied Environmental Economics Conference, The Royal Society, London, UK  
 PhD Seminar on Health Economics and Policy, Grindelwald, CH  
 Seventh PhD Presentation Meeting with the Royal Economic Society, Queen Mary University of London, UK
- 2011 12<sup>th</sup> National Health Economics Conference in Lisbon, PT  
 18<sup>th</sup> Annual Conference of the European Association of Environmental and Resource Economists, IT  
 16<sup>th</sup> Spring Meeting of Young Economists, University of Groningen, NL  
 Health Econometrics and Data Group (HEDG) Seminar Series, University of York, UK
- 2010 Doctoral Workshop in Health Economics and Public Health, University of Lugano, CH  
 19<sup>th</sup> European Workshops on Econometrics and Health Economics, University of Lausanne, CH  
 3<sup>rd</sup> Biennial Conference of the American Society of Health Economists, Cornell University, USA  
 Climate Change: Policy Evidence and Evaluation, University College London, UK
- 2009 11<sup>th</sup> National Health Economics Conference in Porto, PT  
 Doctoral Workshop in Health Economics and Public Health, University of Lausanne, CH  
 Health Econometrics and Data Group (HEDG) Seminar Series, University of York, UK
- 2008 Student Workshop, University of York, UK
- 2006 World Health Organization, Geneva, CH

**WORKING PAPERS**

"Does pollution disrupt sleep? Evidence from a pedestrianisation policy in Paris" with Dheeya Rizmie and Marisa Miraldo

"The Co-Pollution Impacts of Climate Policy: Evidence from the EU Emissions Trading Scheme" with Ulrich Wagner and Dana Kassenm

"Public Health Impacts of Industrial Decarbonization" with Yixuan Gu, Daven K. Henze and Ulrich J. Wagner

"Adherence to COVID-19 social distancing measures: unequal opportunities?" with Jonathan Clarke, Dheeya Rizmie and Dominik Schindler

"Parenting Style and Obesity" with Alexa Segal and Marisa Miraldo

"Do individuals change their perception of transport after a negative informational shock? Evidence from the Volkswagen scandal" with Laila Ait Bihi Ouali and Daniel J. Graham

"Alerts and transport choices" with Sefi Roth and Goeun Lee

**Dr Laure de PREUX****PEER-REVIEWED PUBLICATIONS****Environmental and Health Economics**

Yong Soo K., U J Wagner, P Shen, **L de Preux**, M Muûls, R Martin, and J Cao. Management Practices and Climate Policy in China, Conditionally Accepted, Journal of the Association of Environmental and Resource Economists

**de Preux L**, Rizmie D, Fecht D, Gulliver J, Wang W, 2023. Does it measure up? A comparison of pollution exposure assessment techniques applied across hospitals in England, *International Journal of Environmental Research and Public Health*, 20(5): 3852.

Rizmie, D, **L de Preux**, M Miraldo and R Atun, 2022. Impact of extreme temperatures on emergency hospital admissions by age and socio-economic deprivation in England. *Social Science & Medicine*, 308:115193.

Bloom C, **L de Preux**, A Sheikh, J Quint. 2020. Health and cost impact of stepping down asthma medication for UK patients, 2001–2017: A population-based observational study. *PLoS Medicine*, ISSN: 1549-1277.

Pimpin L, L Retat, D Fecht, **L de Preux**, F Sassi, J Gulliver, et al. 2018. Estimating the costs of air pollution to the National Health Service and social care: An assessment and forecast up to 2035. *PLoS Medicine* 15(7): e1002602.

Martin, R, **L de Preux** and U Wagner. 2014. The Impacts of a Carbon Tax on Manufacturing: Evidence from Microdata. *Journal of Public Economics*, 117:1-14.

Martin, R, M Muûls, **L de Preux** and U Wagner. 2014. On the Empirical Content of Carbon Leakage Criteria in the EU Emissions Trading Scheme. *Ecological Economics*, 105:78-88.

Martin, R, M. Muûls, **L de Preux** and U Wagner. 2014. Industry Compensation Under Relocation Risk: A Firm-Level Analysis of the EU Emissions Trading Scheme. *American Economic Review*, 104(8): 2482-2508.

- Won the Erik Kempe Award in Environmental and Resource Economics

Martin, R, M Muûls, **L de Preux** and U Wagner. 2012. Anatomy of a Paradox: Management Practices, Organizational Structure and Energy Efficiency. *Journal of Environmental Economics and Management*, 63(2):208-223.

**de Preux, L**. 2011. Anticipatory Ex Ante Moral Hazard and the Effect of Medicare on Prevention. *Health Economics*, 20(9): 1056-1072.

**Environment and Public Health**

Lambourg E, C Siani, **L de Preux**. 2022. Use of a high-volume prescription database to explore health inequalities in England: assessing impacts of social deprivation and temperature on the prescription volume of medicines. *Journal of Public Health*. 30: 2231–2242.

Riley R, **L de Preux**, P Capella, C Mejia, Y Kajikawa, and A de Nazelle, 2021. How do we effectively communicate air pollution to change public attitudes and behaviours? A review. *Sustainability Science* 16(6).

Fecht D, CE Sheridan, CJ Roscoe, J Gulliver, and **L de Preux**, 2019. Inequalities in exposure to nitrogen dioxide in parks and playgrounds in Greater London. *International Journal of Environmental Research and Public Health*, 16: 1-11.

**de Preux LB**, Rizmie D, 2018. Beyond financial efficiency to support environmental sustainability in economic evaluations. *Future Healthcare Journal*, 5: 103-107.

**Dr Laure de PREUX****PEER-REVIEWED PUBLICATIONS (continued)****Medicine**

Satheeskaran, M. A Hussan, A Anto, **L de Preux**. 2023. Cost-Effectiveness Analysis of Antibiotic Prophylaxis versus No Antibiotic Prophylaxis for Acute Cholecystectomy. *BMJ Open Gastroenterology*, 10(1).

Sheikh Y, Asunramu H, Low H, Gakhar D, Muthukumar K, Yassin H, **de Preux L**, 2022. A Cost-Utility Analysis of Mesh Prophylaxis in the Prevention of Incisional Hernias following Stoma Closure Surgery. *International Journal of Environmental Research and Public Health*. 19: 13553.

Patel N, N Yung, G Vigneswaran, **L de Preux**, D Maclean, M Harris, B Somani, T Bryant, N Hacking, and S Modi, 2021. 1-year cost-utility analysis of prostate artery embolization (PAE) versus transurethral resection of the prostate (TURP) in benign prostatic hyperplasia (BPH). *BMJ surgery, interventions, & health technologies* 3(1).

Behranwala R, N Aojula, A Hagana, N Houbby and **L de Preux**, 2021. An economic evaluation for the use of decompressive craniectomy in the treatment of refractory traumatic intracranial hypertension. *Brain Injury* 35(4).

Shabir H, S Hashemi, M Al-Rufayie, T Adelowo, U Riaz, U Ullah, B Alam, M Anwar, and **L de Preux**, 2021. Cost-Utility Analysis of Oxybutynin vs. OnabotulinumtoxinA (Botox) in the Treatment of Overactive Bladder Syndrome. *International Journal of Environmental Research and Public Health*, 18(16).

Ali A, Z Mobarak, M Al-Jumaily, M Anwar, Z Moti, N Zaman, A Reza Akbari, and **L de Preux**, 2021. Cost-Utility Analysis of Antibiotic Therapy versus Appendectomy for Acute Uncomplicated Appendicitis. *International Journal of Environmental Research and Public Health* 18(16).

**NON-REFEREED PUBLICATIONS**

**de Preux, L**. 2023, The Role of Managerial Practices in the Transition Towards Net Zero, for the commission on Firms and the Climate Transition, National Bank of Belgium.

**de Preux, L.**, 2022. Winter of discontent? How extreme temperatures in England expose inequalities in hospital use. [Forbes](#).

**de Preux L**, Rizmie D, 2021, How is the healthcare sector dealing with climate change?, *Economics Observatory*, Vol: 2021, [link](#).

Ulrich J Wagner, Dana Kassem, Andreas Gerster, Jurate Jaraite, Marit E Klemetsen, Marita Laukkanen, Ralf Martin, Jakob Roland Munch, Mirabelle Muûls, **Laure de Preux**, Knut Einar Rosendahl, Sandra Schusser, 2020. Carbon Footprints of European Manufacturing Jobs: Stylized Facts and Implications for Climate Policy, Discussion Paper Series – CRC TR 224, Universität Mannheim.

Adomako-Mensah V, Belloni A, Blawat A, **de Preux L**, Green E, Jaccard A, Retat L, Sassi F, Thiebault S, Webber L, 2020, The health and social care costs of a selection of health conditions and multimorbidities, *Public Health England Publications*.

**de Preux Gallone LB**, Sassi F, 2018, Chapter 5 Economics of Pollution Interventions, Chief Medical Officer annual report 2017: health impacts of all pollution – what do we know?, *Publisher: Department of Health and Social Care*, 5.

**de Preux, L**. The Parent Trap. 2014. *ESRC Britain in 2015*:98-99.

Martin, R., **L. de Preux** and U. Wagner. 2012. The polluter-doesn't-pay principle. *CEP Centre Piece* 369.

Anderson B., J. Leib, R. Martin, M. McGuigan, M. Muûls, **L. de Preux** and U. Wagner. 2011. Climate Change Policy and Business in Europe: Evidence from interviewing managers. *CEP Occasional Paper* No. 27.

## Dr Laure de PREUX

### MEDIA COVERAGE OF RESEARCH

#### Pollution and environmental policies

*On carbon leakage and optimal permit allocation:* Articles in The New York Times ([link](#)), La Libre ([link](#)), and Science ([link](#)).

*Inequalities in pollution exposure:* [Website](#) that I created with my co-authors on air pollution exposure in Central London, based on our work, coverage in Daily Mail ([link](#)), Evening Standard ([link](#)), the Telegraph ([link](#)), and the Times ([link](#)). Interviewed on the BBC on 10.10.2019, Lewis Davey ([blog](#)).

#### Determinants of health

*Parenting and child behaviour:* Articles in the Daily Telegraph ([link](#)) and further picked up again by Rowan Pelling ([link](#)), in the Daily Mail ([link](#)), in the British Psychological Society ([link](#)), in the Schools Improvement Net ([link](#)), and in the Finchannel ([link](#)). I was interviewed on BBC Scotland (08.04.2014), on LBC (interviewed by Julia Hartley-Brewer, 08.04.2014), on Newstalk radio station in Ireland (interviewed on 21.04.2014), and on BBC – radio 4 (22.04.2014).

*Parenting and child obesity:* Articles in the Independent IE ([link](#)), The Guardian ([link](#)), The Herald Scotland ([link](#)), Yahoo News ([link](#)), Daily Mail ([link](#)), Fortune USA ([link](#)), 9 Breaking News Australia ([link](#)), The New York Daily Paper ([link](#)), Fox 10 Phoenix ([link](#)), The Washington Post ([link](#)), The Telegraph ([link](#)), The Week ([link](#)), and various Yahoo articles, as well as in OnMed (Greece), Gossip Rodos (Greece), MediaFax and NewsList (Romania), Qbebe (Romania), Kosmo (online Malaysia), Oxtero (France), Les Actualities (France), Espanol News (Spain), Mega Arsiv (Turkey), hdfilmkeyfi.net (megaarsiv.com), Pehal News (India), eNews (Nigeria), News Net Daily (NND, USA), Diabetes, Sohu (China), CNXX (China), Xiaokang Net, Medical, Siakap Keli (Malaysia), Science News, CognitiveScNews, Aawsat (daily Arabic newspaper), Fox6 (USA), Fox5 (USA), BBC World Service, KoriMedi (Korea).

#### Pollution and health impacts

World Economic Forum ([video link](#)), promoting the Paint London Green Campaign (minute 9.30 [video link](#)), CGTN ([link](#)), Mirror ([link](#)), Evening Standard ([link](#)), The Times ([link](#)).

### OTHERS

2021 – present Committee member of The Friends of the Verbier Festival Association (classical music), CH

### PERSONAL

Swiss, married, three children (2012, 2014, 2015)

Leave of absence: 3 maternity leaves; 6-month medical leave in 2021/22 following surgeries; 80% FTE Sept 22 - Feb 23.

Language skills: French (native), English (fluent), German (intermediate), Spanish (basic).