BERT LENAERTS

SUMMARY

Highly motivated young professional with an engineering degree in bioeconomics and biogeography, currently working as a doctoral researcher in economic geography and data science.

CONTACT INFO

Email

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(mirrored address)

WWW

bertlenaerts.github.io

KEY SKILLS

Teamwork

Problem-solving

Data Analysis

LANGUAGES

English (Full Professional)

Dutch (Native or Bilingual)

French (Limited Working)

HONOURS–AWARDS

Fulbright Scholar UHasselt–MIT

IRRI Certificate of Appreciation

VLIR-UOS Short term Scholar

PUBLICATIONS

Google Scholar profile

ResearchGate profile

EXPERIENCE

European Commission, Brussels, Belgium

Blue Book Trainee Fall 2019–2020

Internship at DG MOVE: Aviation Safety (E4)

Hasselt University, Hasselt, Belgium

Doctoral Researcher 2017–2021

My research focuses on (1) quantifying the connectivity of the global air transport network; and (2) estimating the economic benefits associated with (market) access as generated through the air transport network.

Fulbright Association, Brussels, Belgium

Fulbright Scholar UHasselt–MIT Fall 2018–2019

Fulbright Belgium grants Scholarship Programs to conduct (pre-)doctoral research and post-doctoral research at an accredited US institution. Its goal is to improve intercultural relations, cultural diplomacy, and intercultural competence. Under the Fulbright Program, I visited MIT for the Fall semester to research aviation.

Massachusetts Institute of Technology, Boston

Visiting Scholar Fall 2018–2019

During my research stay, I empirically investigate the effects of air transport on macroeconomic indicators (i.e. employment) using instrumented spatial panel models through the use of a newly established accessibility metric developed at MIT.

International Rice Research Institute (IRRI), Los Baños, Philippines

Research Scholar Summer 2016

I analysed the factors influencing gendered intra-household decision-making power and performance in designing optimal product proles (breeding lines).

MS Research Scholar Summer 2015

Firstly, an ex-ante economic impact assessment of a new breeding method called Rapid Generation Advance through modelling and literature study. Secondly, the development of an online survey platform to reach breeders from across the world and subsequent analysis of adoption and willingness to adopt through a combined triple-double hurdle model.

Vlajo Small Business Projects, Leuven, Belgium

Entrepreneur October 2014–June 2015

Through Vlajo SBP trial companies are launched in colleges and universities in Flanders. It enables students to form a tangible image of different aspects of entrepreneurship and starting your own business during their studies. Especially an attitude towards entrepreneurial behaviour is developed.

Arba Minch University, Arba Minch, Ethiopia

University of Leuven field course November 2014

I conducted field research learning how to integrate and apply knowledge on agro- and ecosystems in the tropics, biodiversity, tropical soils and agricultural economics to characterise (sub)tropical agro- and ecosystems and better understand constraints and options for natural resources management.

EDUCATION

Hasselt University, Hasselt, Belgium

Program:	PhD Program in Applied Economics, Doctoral School of Behavioural Sciences & Humanities	2017–2021
Thesis:	Global Air Transport Connectivity: Quantification and Impact Analysis	2017–2021

Commission for Educational Exchange between the US, Belgium and Luxembourg, Brussels, Belgium

Program:	Fulbright Student Researcher, Fulbright Belgium	2018–2019

University of Leuven, Leuven, Belgium

Program:	Interuniversity Student in Econometrics and Quantitative Economics	2017–2018
	Master of Science (magna cum laude) in Policy Economics	2017–2016
	Master of Science (magna cum laude) in Agro- and Ecosystems Engineering with a major in Economics	2016–2014
	Bachelor of Science (cum laude): Engineering in the Biosciences	2014–2011
Thesis:	Environmental lessons of NAFTA for TTIP	2017–2016
	Economics of shorter breeding cycles in rice breeding	2016–2015

SKILLS

Interpersonal Skills

Teamwork

Problem-solving

Diplomacy

Open to new cultures and traditions

University Teaching

Data Analysis

Experience with data wrangling, data visualisation, data mining and statistical data analysis

Extensive knowledge of quantitative economics, specifically (spatial) panel and time series econometrics.

Software: R, Stata, Microsoft Office (including Visual Basic)

TRAINING

Management and leadership program 'Leadership in a Globalising Context'—KU Leuven

Spirituality, leadership and professional integrity seminar—KU Leuven with Orval Abbey (Belgium)

Spatial Econometrics Advanced Institute (summer school)—SEA, Rome

PUBLICATIONS

Collard, B. C. Y., Beredo, J. C., Lenaerts, B., Mendoza, R., Santelices, R., Lopena, V., Verdeprado, H., Raghavan, C., Gregorio, G. B., Vial, L., Demont, M., Biswas, P. S., Iftekharuddaula, K. M., Rahman, M. A., et al. 2017. Revisiting rice breeding methods – evaluating the use of rapid generation advance (RGA) for routine rice breeding, *Plant Production Science*, vol. 20, no. 4, 337–52

Lenaerts, B., Allroggen, F., and Malina, R. 2020a. *Air connectivity and regional employment: A spatial econometrics approach*, Working Paper

Lenaerts, B., Allroggen, F., and Malina, R. 2020b. *The economic impact of aviation: a review of impact mechanisms and aviation-attributable market access*, Working Paper

Lenaerts, B., Allroggen, F., and Malina, R. 2020c. Measuring the quality of air transport networks – A topology of connectivity and accessibility metrics, in *Handbook on Air Transport and Regional Development (accepted)*

Lenaerts, B., Collard, B. C. Y., and Demont, M. 2018a. Global survey of rice breeders to investigate characteristics and willingness to adopt alternative breeding methods, *Agriculture & Food Security*, vol. 7, no. 40, 15

Lenaerts, B., Collard, B. C., and Demont, M. 2019a. Improving global food security through accelerated plant breeding, *Plant Science*, vol. 287, 110207

Lenaerts, B., Collard, B. C., de Mey, Y., and Demont, M. 2019b. Global survey data on rice breeders' characteristics and willingness to adopt alternative breeding methods, *Data in Brief*, vol. 23, 103782

Lenaerts, B. and Demont, M. 2020. *The global burden of chronic and hidden hunger revisited: New panel data evidence*, Under Review

Lenaerts, B., de Mey, Y., and Demont, M. 2018b. Global impact of accelerated plant breeding: Evidence from a meta-analysis on rice breeding, *PloS one*, vol. 13, no. 6, 21

Lenaerts, B., de Mey, Y., and Demont, M. 2020d. *Revisiting multi-stage models for upstream technology adoption*, Under Review