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MICHELE MAURIZIO MALPEDE

GREEN Centre, Bocconi University
Room 5.a1.05 - 5th floor
maurizio.malpede@unibocconi.it
<https://sites.google.com/view/mauriziomalpede>

Via Röntgen, 1
20136 Milan, Italy
malpedemaurizio@gmail.com

Research Fields	Development Economics, Environmental and Resource Economics	
Academic Employment	Research Fellow Bocconi University, <i>GREEN Centre for Geography, Resources and the Environment</i>	Jan 2020
Education	Ph.D. in Economics Graduate School in Public Economics, Catholic and Bicocca University <i>Thesis: Three Essays on Technological Progress and Economic Growth</i> Supervisors: Lucia Corno, Rosario Crino'	Exp. Feb, 2020
	M.S. in Economics and Social Sciences Bocconi University	March 2014
	B.S. in Economics and Statistics, summa cum laude University of Siena	July 2011
	Visiting Student, International Economics and Finance University College Cork	2011
Affiliations	LEAP, Bocconi University, Visiting PhD Student European Association of Environmental and Resource Economists, Member	2017- 2016-
Work in Progress	The Dark Side of Batteries: Education, Fertility and Cobalt Mining in the Democratic Republic of Congo (<i>1st Paper, PhD Thesis</i>)	

Being rich of crucial minerals might be a leading determinant of local economic development. On the other hand, intensive extraction might prove to negatively affect the health and wealth of people living close to mineral deposits and the surrounding environment. I examine the effects that local cobalt mining had on child labor and subsequently on fertility rates in the DRC by exploiting geographic variation of cobalt deposits prior to the boom of modern electric batteries and using both education attainment and fertility data. I find that the boom in cobalt mining led to a reduction in educational achievements of children who were between 6 and 14 at the time of the boom, and it was accompanied with higher fertility rates. Moreover, the analysis shows that treated people do not compare worse both in terms of wealth and health compared to those in the control groups once they become adult. The results are robust to spatial spillover effects and selective migration.

Disease and Development: Malaria Control and Historical Agricultural Productivity in the US (2nd Paper, PhD Thesis)

This study provides an estimation of the causal relationship between reduction in malaria transmission and agricultural productivity in the U.S. by exploiting exogenous geographic variations in the stability of malaria and using historical disaggregated county data for the U.S. together with a robust quasi-experimental approach. The two principal channels through which malaria control policies could affect agriculture i.e. conversion of wetland to arable land and higher farmer productivity due to better health conditions are also investigated. Results show that while the eradication of malaria led to approximately one fifth of the agricultural productivity growth in the U.S. counties, the positive effect was entirely due to better health conditions, since wetland conversion had little or no effect on the amount of arable land in highly endemic counties. Robustness checks from geographic variations in malaria stability within neighboring counties along with placebo treatments reinforce the positive effect of malaria eradication on historical growth rates of agricultural productivity.

Revisiting the Contribution of Potato to Population and Urbanization in 1700-1900: The Effect of Malaria (3rd Paper, PhD Thesis)

We exploit regional variation in suitability for cultivating potatoes along with exogenous variation in stability of malaria transmission, together with time variation arising from their introduction of potato to the Old World from the Americas, to estimate the impact of malaria endemic and potato suitable areas on Old World population and urbanization. This study shows that the presence of weather conditions suitable for a stable transmission of malaria counteracted the significant benefits of the introduction of potato to population and urbanization in Old World countries observed during the eighteenth and nineteenth centuries. Robustness checks from geographic variations in malaria stability and suitability for potato cultivation at a disaggregated level along with placebo treatments reinforce the positive effects of the eradication of malaria on population and urbanization in potato suitable areas after 1900.

Working Papers	Energy Intensity - The Past, The Future and The Role of Institutions (with Emmerling, J. and De Cian, E.) (<i>submitted</i>)	
	The WITCH 2016 Model - Documentation and Implementation of the Shared & Socioeconomic Pathways" (with Emmerling, J. et al.) (<i>FEEM Working Paper No. 42.2016., 2016</i>)	
	The Role of Energy Price Elasticities for Climate Policies (with Emmerling, J.) (<i>FEEM Working Paper, forthcoming</i>)	
Research Experience	Junior Researcher Fondazione Eni Enrico Mattei (FEEM)	2014-2016
	Research Trainee , Competitiveness Research Network (CompNet) European Central Bank, Directorate General Research	2013
Other Publications	A Multi-Model Regional Decomposition of CO ₂ Emissions <i>Proceedings of the International Energy Workshop (IEW), 2015</i>	
Past Affiliations	Fondazione Eni Enrico Mattei (FEEM), Associate Researcher	2016-2018
	Italian Association of Environmental and Resource Economists, Member	2015-2017
	Società Italiana per le Scienze del Clima, Member	2015-2017
Teaching	Economia Politica II (undergraduate), Teaching Assistant, Catholic University	2017-2018

Conference Presentations	12 th PhD Workshop in Economics, Collegio Carlo Alberto, Turin, Italy	Dec 2019	
	European Association of Environmental and Resource Economists (EAERE)	Jun 2019	
	12 th RGS Doctoral Conference in Economics, Bochum, Germany	Feb 2019	
	17 th Luca D'Agliano Summer School on Development Economics, Gargnano	Sept 2018	
	Associazione Italiana Economisti dell'Energia (AIEE)	Nov 2016	
	European Association of Environmental and Resource Economists (EAERE)	Jun 2016	
	FAO - Science Symposium on Climate; IEW (Abu-Dhabi)	2015	
Awards and Scholarships	Italian Ministry of Education, Ph.D. Scholarship	2016-2019	
	Bocconi University, MS.c. Scholarship	2011-2013	
	University of Siena BS.c. Scholarship	2008-2011	
Referee Activities	Climatic Change		
Languages and Skills	Languages: Italian (native), English (fluent), French (intermediate)		
	Softwares: R, Stata, ArcGIS, Matlab, L ^A T _E X		
References	Lucia Corno	Rosario Crino'	Valentina Bosetti
	Department of Economics	Department of Economics	Department of Economics
	Catholic University, Milan	Catholic University, Milan	Bocconi University, Milan
	lucia.corno@unicatt.it	rosario.crino@unicatt.it	valentina.bosetti@unibocconi.it