



## DEVELOPMENT ECONOMICS AND LOCAL SYSTEMS (DELOS)

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<b>CUP</b>	M.D. 629/2024	B12B24000590007
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<b>M.D. 629/2024</b>		Public Administration			
<b>TITLE OF THE SCHOLARSHIP</b>		<b>CLIMATE CHANGE, AGRICULTURE AND CONFLICTS: MICROECONOMIC ANALYSIS OF CAUSAL PATHWAYS</b>			
<b>PRINCIPAL INVESTIGATOR</b>		Donato ROMANO			
<b>RESEARCH TOPIC</b>		<p>The research project aims to contribute to the understanding of the relationship between climate change, agriculture, and conflicts. The increase in climate variability and the rise in extreme weather events contribute to generating a variety of impacts, including not only income loss but also an increased risk of conflicts as a consequence of negative socioeconomic effects. Empirical evidence regarding the link between climate change and conflicts remains controversial and largely depends on the estimation methodologies adopted, the assumptions made, and the interpretations of causal pathways. Among the various causal pathways proposed in the literature, one of the most promising is the shock caused by climate change on the agri-food system. Therefore, this project aims to empirically test the conditional effects of climate change on violence and conflicts in less developed countries (LDCs), taking into account the mediating effect of the agri-food sector. In particular, two pathways will be analyzed: the one that passes through the adverse effects on agricultural production, and the one that passes through the increase in competition for renewable natural resources. From a methodological point of view, three types of georeferenced datasets will be used: (i) agroclimatic, (ii) socioeconomic, and (iii) conflicts. The estimation methods will refer to both standard econometric methods that adequately address the problem of endogeneity and structural approaches such as Structural Equation Models (SEM).</p>			
<b>MANDATORY EXPERIENCES</b>		<b>INTERVIEW</b>			
<b>COMPANY / PUBLIC ADMIN. / RESEARCH CENTER (months)</b>	<b>ABROAD (months)</b>	<b>LANGUAGE</b>	<b>DATE</b>	<b>TIME</b>	<b>MODE</b>
6	6	English	July 24 <sup>th</sup> 2024	02:00 p.m.	Remotely (videocall)