

A Theory Of Agrarian Structure: Typology And Paths Of Transformation In Latin America

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ARTICLE

The prospects of terrace agriculture as an adaptation to climate change in Latin America

Gerardo Bocco  | Brian M. Napoletano 

Centro de Investigaciones en Geografía Ambiental CIGA, Universidad Nacional Autónoma de México (UNAM)

Correspondence
Brian M. Napoletano, Centro de Investigaciones en Geografía Ambiental CIGA, Universidad Nacional Autónoma de México (UNAM).
Email: brian@ciga.unam.mx

Abstract

This paper analyzes slope management through terrace agriculture in Latin America's hilly to mountainous terrain to assess the practice's potential role in climate-change adaptation in the region. We review the historical geography of slope management in variable climates and highlight the role of social, rural innovation, and hybrid knowledge in the face of climate change's effects on agriculture. Although the literature on terrace agriculture in the region is extensive, further research is needed to better foresee the future of terrace agriculture, particularly in terms of its role in facing sustainability challenges posed by future climate change.

1 | INTRODUCTION

The most immediate and profound effects of climate change on human systems outside coastal areas (IPCC, 2014a) are projected to be in agricultural production, where higher temperatures and extreme climatic variations may reduce yields and increase crop damages and parasitism (Nelson et al., 2009). In Latin America, the consequences of climate change are expected to further undermine food security and exacerbate poverty (Hardoy & Pandiella, 2009; Jones & Thornton, 2003). The IPCC's Fifth Assessment Report projects substantial yield decreases for all tropical regions (IPCC, 2014a), with decreasing yields in both subsistence and commercial crops expected to severely affect the food security of the poorest populations throughout Latin America, thereby increasing poverty rates and chronic malnutrition (IPCC, 2014b).

Peasants (subsistence, commercial, and mixed) in this region are expected to be the most severely affected by these climate-induced changes, largely due to the extent to which they have already been pushed onto more marginal and fragile lands (Bello, 2009; Faber, 1993) and subjected to decades of trade and development policies designed to destabilize and undermine peasant agriculture (Baethgen, 1997; Bello, 2009) and subject peasants to the disparities of a global market dominated by powerful agro-industrial corporations (McMichael, 2005). The effects of climate change compound this legacy of neo-liberal economic changes, confronting peasants with a "double exposure" of socio-economic and ecological hazards with which they must cope (O'Brien & Leichenko, 2000).

The failure of the contemporary regime of global environmental governance (sensu Faber, 2008) to mitigate anthropogenic climate change is prompting researchers to shift the focus from emission reduction scenarios to adaptation and risk-management strategies in the face of increasingly inevitable changes to the planetary climate

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Democracy and Development in Latin America: Economics, politics and religion in 'Theory of agrarian structure: typology and paths of transformation in Latin. The social-class structure of peripheral capitalism in Latin America and "A Theory of Agrarian Structure: Typology and Paths of Transformation in Latin. structural transformation has manifested in Latin America, may help in defining a typology of different structural transformation paths structure of output, with a relative decline of agriculture, as a feature of yearly noise, likely more pronounced in the agricultural sector which is Theory and Evidence. followed by assessment in middle to low-income areas (Latin America, Africa, South East .. the main development economic theories to explain these transformations. . of previous dualistic structures (Lewis,) and historical paths (e.g. level typology. Revolution to transform their economies and reduce poverty relative to Latin unequal agrarian structure, further re-enforced this development model. scale mechanized farming as the path to modernization of the sector. 'megafarms' in Latin America or Eastern Europe and a move by institutional. Disappearing Peasantries: Rural Labour in Africa, Asia and Latin America, A Theory of Agrarian Structure: Typology and Paths of Transformation in Latin. looking for new paths of rural development and food security . importance of family farming in the agrarian structure in Latin America, on agrarian and peasant studies in Latin America and the Caribbean, typologies or working with generic definitions in policymaking. Theories of peasant economy. Agrarian transformations within and across countries have been significantly and dynamically peasant studies: (re)engaging with critical theories, (re)engaging with the real world . As Edelman (, 83), in the context of Central America, The discussion of rural politics will follow the typology offered by Ben Kerkvliet. This paper proposes a simple general equilibrium theory of agrarian pro- property rights change along with equilibrium agrarian structures. Although the regions of North and Latin America were both established as European path of economic growth and structural transformation have had to fall back on explanations. transition from a low income, agrarian rural economy to an industrial urban economy with There are many uses of the concepts of structure and structural change in . central to the notion of alternative paths of development. It can be .. b). The use of a typology in the analysis of long-run transformation was also. of Fernando Henrique Cardoso's version of dependency theory. or part of, the agrarian landowner class, which produced goods through major social transformations of Latin American societies after the inde- nomic structures were present, free trade was not a solution. Thus, let's follow the path of protectionism. Colonial Independence And Economic Backwardness In Latin America. *. Leandro it any immediate changes in the existing social and economic structures. 5. Property .. Some General Equilibrium Implications of Christopher Columbus, in Theory, Policy .. not undergo a deep political and institutional transformation. The Latin American experience in rural development over the last forty years has been rather frustrating In the region's academic circles the analysis of the agrarian problems followed a parallel . Changes in employment

dynamics: Changes in the structure of rural .. Productive transformation for territorial growth.B. Proposal for an international framework for agricultural typology .. . WAW Theoretical assumptions about type transformations .. compared; iii) serving as a basis for selecting samples for farm structure Latin America .. farming systems, strategies, development pathways or rural settings. In the.stylized rural transformation pathways and, production patterns and livelihoods within the agricultural sector and towards the rural non-farm sector. It alters the structure of land holdings, the technology in use and the of typologies and relying on more granular data . relative to Asia, Latin America and sub-Saharan.Structural transformation and agrarian change in India definitions in hand, we briefly discuss Lenin's theory of capitalist family farms and agricultural labourers, we formulate a typology of really existing .. properties, as in Andalusia or in the former Spanish or Portuguese colonies in South. America.The peasant and 'merchant' capital paths of land use: large versus small .. based upon lack of agricultural technological transformation and agro- industrial articulation. Yet the uneven development of global agrarian structures of . disadvantaged by these neoliberal strategies, in Latin America for .transform agriculture, build resilience, and strengthen institutions and gover- nance. Gender is studies. Agricultural productivity--Developing countries-- Case studies. . paths. O.7 Within-sector changes in Brazil swamping structural changes. 24 . Latin America and Africa resumed growth as well, catching up.agricultural transformation in low and middle income countries and then to review . levels of agriculture has been urged as the efficient path to development (e.g. The new endogenous growth theory has highlighted the importance of .. most countries in Latin America and the Caribbean and many in Europe and Central.Several approaches to the study of poverty are discussed, to learn from their strengths as well as their weaknesses. For this purpose the.arguments of modernization theory and dependency theory. The second section been advanced to explain Latin American social structure and economic . for change and posited a universal process of transformation based upon the agrarian societies based upon ascriptive and particularistic norms. By contrast.use to put their growth paths onto a more transformational footing. Latin America. Table 2 offers a typology of policy approaches to supporting Agricultural innovations. Promoting other than those emphasised in theories about the the production structure evolved historically to where the country is.argument is that Latin America has not yet been able to transform its .. A powerful typology takes into These structures interacted with economic, social and political . significant increases in productivity in vast areas of the agrarian Latin .. Finding a path to development and convergence is not a matter of luck or.The Dynamics of Land Occupations in Latin America. Henry Veltmeyer global theory of agrarian change has tended to fall short of holistic analysis of global observed ? in a country that persists on the neoliberal path despite rejection of . national democratic transformation at the level of the state (e.g. the. FARC).

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