

The appropriation of innovations in family farming: a systematic review of the literature

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Abstract: The present study aims to analyze the innovation process in family agriculture through the appropriation of social technologies and information and communication technologies (ICTs) by family farmers. The method used was a systematic review of the literature of studies published in periodicals and proceedings of the Congresses of the Brazilian Society of Economics, Administration and Rural Sociology (SOBER) from 2007 to 2017. The research resulted in a total of 43 scientific articles analyzed and classified among the themes: social technologies, social innovation, information and communication technologies and alternative technologies and other innovations for family agriculture. It was concluded that among the social technologies theme, it is noteworthy that only 12 could identify the type of social technology used in the study, and only 50% of these studies were registered and certified by the Bank of Social Technologies of the Banco do Brasil Foundation. Regarding ICTs, the studies pointed out that cell phones and the internet provide access to information and

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communication, strengthening ties between rural and urban. However, its use by farmers still focuses on leisure activities. The study also highlighted the importance of actors such as universities, cooperatives, solidarity economy enterprises and municipal agencies in the process of disseminating these innovations in family farming.

Keywords: Social technology. Information and communication technology. Family farming.