ABSTRACTS

Session 2: DATA AVAILABILITY AND MEASUREMENT OF FACTORS OF PRODUCTION (CAPITAL, LAND AND LABOUR)

Sangita DUBEY, How the FAO’s Capital Stock Database can be used for Productivity Analysis

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Cross-country analyses of agricultural productivity, particularly those that include developing countries, typically focus on labour and land productivity. FAO’s new work on constructing a global database on agricultural capital stock would help extend these analyses to examine the role of capital and capital deepening on agricultural productivity, and how this affects existing productivity gaps between developed and developing economies. This paper outlines the methodology used by FAO in constructing this agricultural capital stock database for over 202 countries, from 1970 through 2013. It describes the data sources, data gaps, and the assumptions used to bridge these gaps. The resulting findings are presented, particularly with respect to potential new measures of agricultural productivity, to highlight some of the strengths and limitations of this new database.