

LA-KLEMS: The Latin America chapter of the WORLD-KLEMS



KEY WORDS

- MULTIFACTOR PRODUCTIVITY
- INFORMATION AND COMMUNICATION TECHNOLOGIES
- CAPITAL AND LABOUR SERVICES
- ECONOMIC GROWTH
- TECHNOLOGICAL CHANGE
- INTERNATIONAL TRADE

CONSORTIUM MEMBERS

- National Institute of Statistics and Census (INDEC) / Argentina
- The Brazilian Institute of Geography and Statistics (IBGE) / Brazil
- Center for Strategic Studies and Management in Science, Technology and Innovation (CGEE) / Brazil
- Federal University of Rio de Janeiro / Brazil
- Central Bank of Chile / Chile
- National Statistics Institute (INE) / Chile
- National Institute of Statistical and Geography (INEGI) / Mexico

Summary

OBJETIVES

This project aims to create a database for measuring economic growth, productivity, employment creation, capital formation and technological change at the industry level, initially for four Latin American countries (Argentina, Brazil, Chile and Mexico) from 1990 onwards. This work will provide a critical input for the analysis and evaluation of policy, in particular those related to competitiveness, innovation and the role of ICT (Information and Communication Technologies) in economic growth.

DATABASE

The database should facilitate the production of high quality statistics based on the methodologies of national accounts and input-output matrices. The measurements include the categories of inputs: capital, labor, energy, materials and services, within capital, special attention is paid to each ICT components. In part on the basis of National Accounts data, a new analytical database will be created that meets with the methodological requirements of LA-KLEMS. This database will enable the comparative study of productivity of the four major economies in Latin America and other countries participating in the WORLD-KLEMS project.



WORKPACKAGES

The project is divided initially in four work packages:

- WP1: INTER INDUSTRY ACCOUNTS
- WP2: LABOUR ACCOUNTS
- WP3: CAPITAL ACCOUNTS
- WP4: RELATIVE PRICES LEVELS
- WP5: INTERNATIONAL TRADE

ANALYSIS

LA-KLEMS will analyze the causes of the productivity growth slowdown in Latin America, differences among industries and variations in the contribution of inputs with in particular focus on ICT, comparative advantage and the role of international trade, the impact of outsourcing on productivity chain, the interpretation of multifactor productivity in the context of technology and innovation indicators. This analysis will compare the Latin American performance with that of other countries and regions, such as the United States, Europe and South-East Asia.



Sources: LAKLEMS

Note: Weighted average of Argentina, Brazil, Chile and Mexico.



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Productivity analysis and the role of ICT in Latin America

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