AUSTRALIA AND THE WORLD
KLEMS INITIATIVE

by

Dale W. Jorgenson
Samuel W. Morris University Professor
Harvard University

http://scholar.harvard.edu/jorgenson/
OVERVIEW OF THE WORLD KLEMS INITIATIVE

The Purpose of the World KLEMS Initiative Is to Provide Industry-Level Data for Growth of Output, Inputs of Capital (K), Labor (L), Energy (E), Materials (M), and Services (S), and Productivity for More Than Forty Countries Around the World.


Level Comparisons among Countries Are Essential for Analyzing Competitive Advantage.

The Ultimate Objective of the World KLEMS Initiative Is to Incorporate KLEMS-Type Data Sets into Official Systems of National Accounts for the Forty Countries.
MILESTONES IN THE WORLD KLEMS INITIATIVE


EUROPEAN UNION (EU) KLEMS

Two Volumes Reporting Results of EU KLEMS:


Key Findings: Weaknesses in the Knowledge Economy – Investment in Human Capital, Investment in Information Technology, and Innovation – Are the Main Sources of the Economic Growth Slowdown that Preceded the Current Economic and Fiscal Crisis in Europe.


Updated Data: See: [http://www.euklems.net/](http://www.euklems.net/)
LATIN AMERICAN (LA) KLEMS

Results of Initial Conference Reported in:


Detailed Report on Mexico KLEMS:


Asia KLEMS Was Preceded by International Comparison of Productivity among Asian Countries (IPAC) Project, Research Institute of Economy Trade and Industry (RIETI), Tokyo, Japan. Results Reported in:


KLEMS-Type Data Sets for Japan and Korea: Japan Industrial Database (JIP); Korea Industrial Data Base (KIP) Updated Data Available on EU KLEMS Website. These Data Sets and Others Discussed at First Asia KLEMS Conference in Tokyo, 2011, and Second Asia KLEMS Conference in Seoul, 2013. KLEMS-Type Data Sets Have Completed for India, China, and Taiwan. A KLEMS-Type Data Set Is Under Construction for Malaysia.

Productivity in Asia
Economic Growth and Competitiveness
Edited by Dale Jorgenson, Masahiro Kuroda and Kazuyuki Motohashi
RIETI
AGENDA FOR WORLD KLEMS: GROWTH AND STRUCTURAL CHANGE

National Accounts. The First Objective for the World KLEMS Initiative is to Incorporate Data on Growth and Productivity into the National Accounts. Ten Countries Provide KLEMS Data within National Accounts: Australia, Canada, Denmark, Finland, Italy, Mexico, The Netherlands, Sweden, the United Kingdom and the United States.


THE AGENDA FOR WORLD KLEMS: INTERNATIONAL COMPETITIVENESS

Second Priority Is the Analysis of International Competitiveness. The Natural Framework for this is the World Input-Output Study (WIOD), Revised and Extended by OECD and World Trade Organization: See: http://www.wiod.org/index.htm.


THE AGENDA FOR THE WORLD KLEMS INITIATIVE: SUMMARY

**Original Vision:** World KLEMS Initiative Involves KLEMS-Type Data Sets for More Than 40 Countries. These Include the Countries that Are Participating in EU KLEMS, LA KLEMS, and Asia KLEMS, the Regional Organizations that Comprise World KLEMS.

**Linking the Data:** Data on Growth and Productivity Can Be Linked through Trade Data and Industry-Level Purchasing Power Parities from World Input-Output Data Base and Industry-Level Purchasing Power Parities for Capital and Labor Inputs.

**Applications:** Growth and Productivity Data Are Used to Analyze the Sources of Economic Growth and Changes in the Structure of an Economy. Linked KLEMS-Type Data Are Used to Analyze International Competitiveness, Including the Evolution of Global Supply Chains.