World Economic Growth – Retrospect and Prospect

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Growth Prospects and Fragilities in the Global Economy



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THREE MAJOR TRENDS IN THE WORLD ECONOMY

CHINA OVERTAKES THE U.S.:

The U.S. Has Been the World's Leading Economy for a Century

WORLD ECONOMIC GROWTH ACCELERATES:

Mainly Due to China with a Contribution from India

THE NEW WORLD ORDER IN 2022:

China, U.S., India, Japan, Germany, Russia, Brazil

SOURCES OF WORLD ECONOMIC GROWTH

THE SOURCES OF ECONOMIC GROWTH:

Capital Input, Labor Input, and Productivity

CAPITAL INPUT GROWTH:

Information and Non-Information Technology

LABOR INPUT GROWTH:

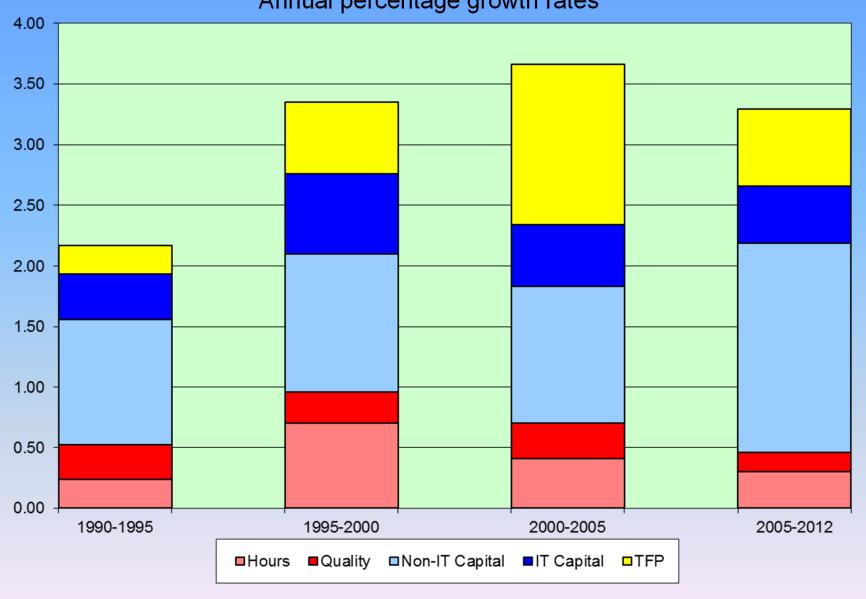
Hours Worked and Labor Quality

TOTAL FACTOR PRODUCTIVITY

Output per Unit of Input

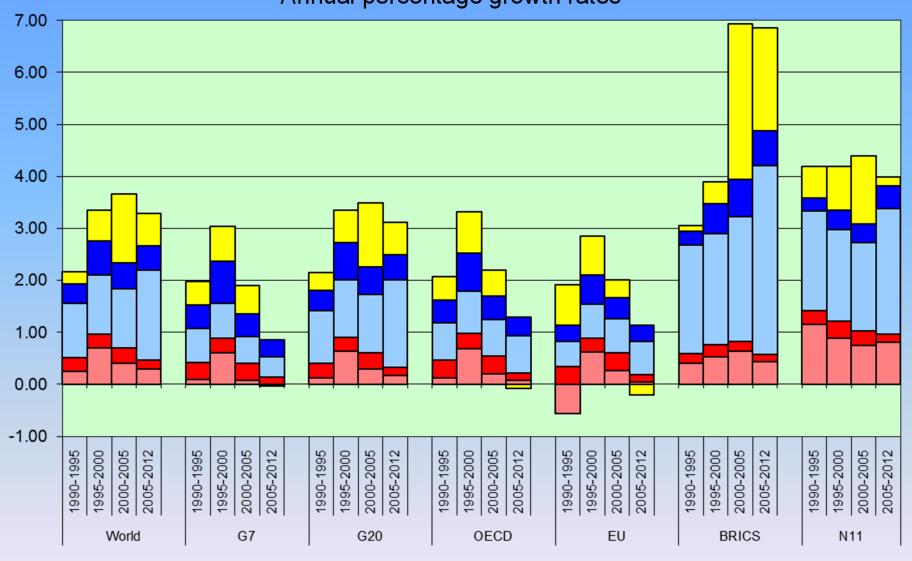
Sources of World Economic Growth, 1995-2012

Annual percentage growth rates



Sources of World Economic Growth

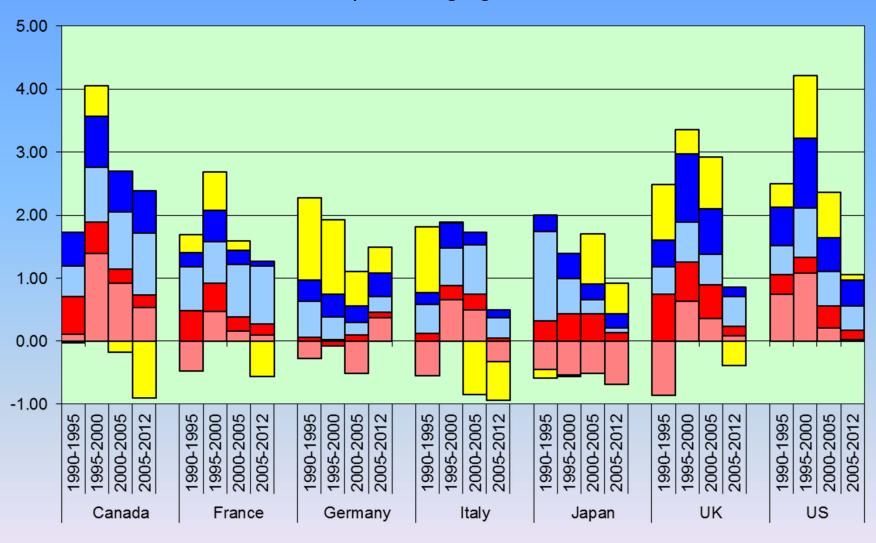
Annual percentage growth rates



■Hours ■Quality ■Non-IT Capital ■IT Capital ■TFP

Sources of G7 Economic Growth

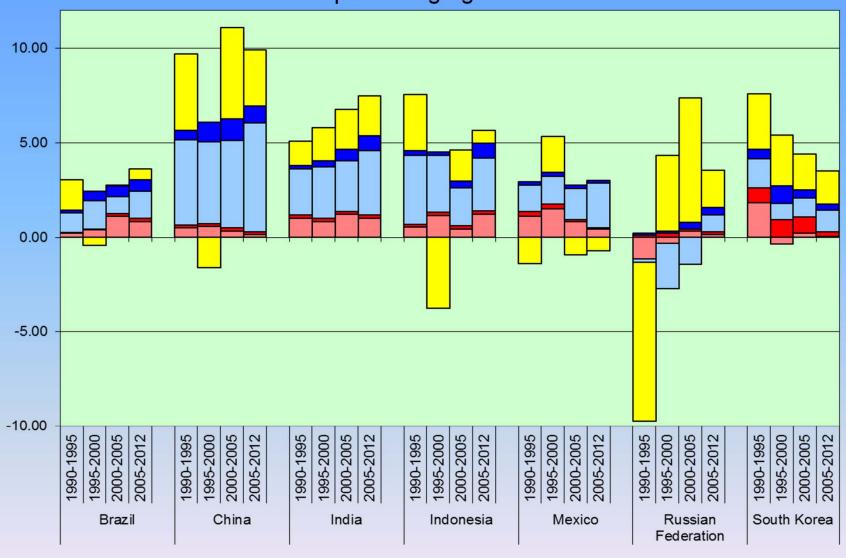
Annual percentage growth rates



■Hours ■Quality ■Non-IT Capital ■IT Capital ■TFP

Sources of BRICS Economic Growth

Annual percentage growth rates



■Hours ■Quality ■Non-IT Capital ■IT Capital ■TFP

PROJECTING GROWTH OF THE WORLD ECONOMY

DEMOGRAPHICS:

Hours Worked from Labor Force Projections; Labor Quality from Educational Attainment

LABOR PRODUCTIVITY:

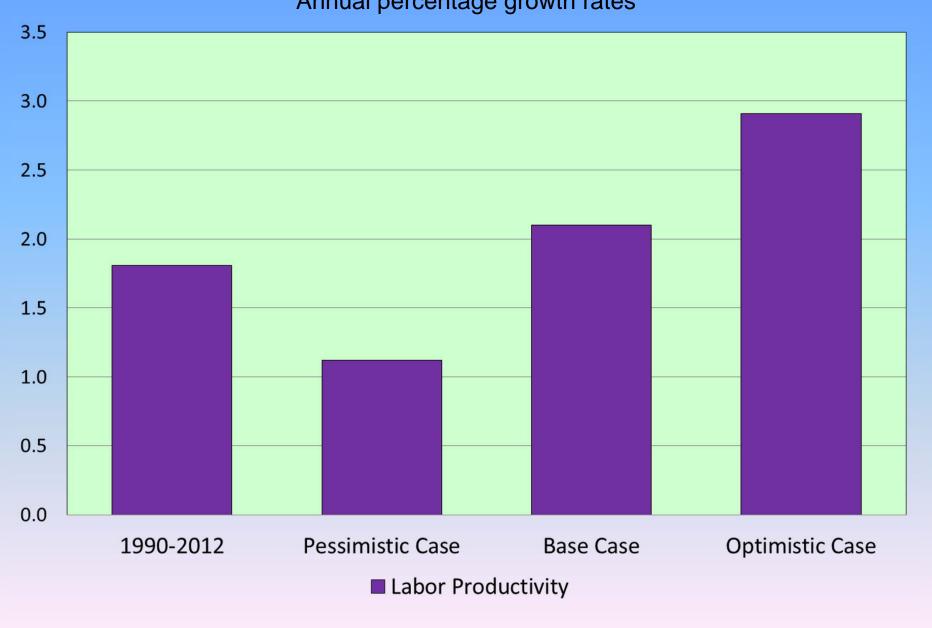
Growth of TFP, Capital and Labor Quality, and the Gap between Output and Capital

GDP GROWTH:

Sum of the Growth of Hours Worked and Labor Productivity

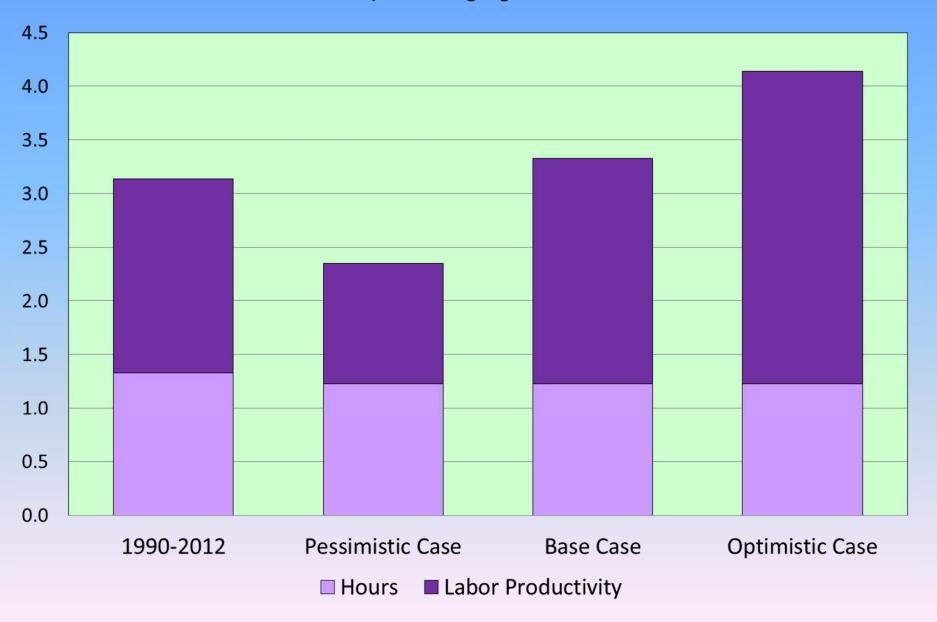
World Productivity Growth Projections, 2012-2022

Annual percentage growth rates

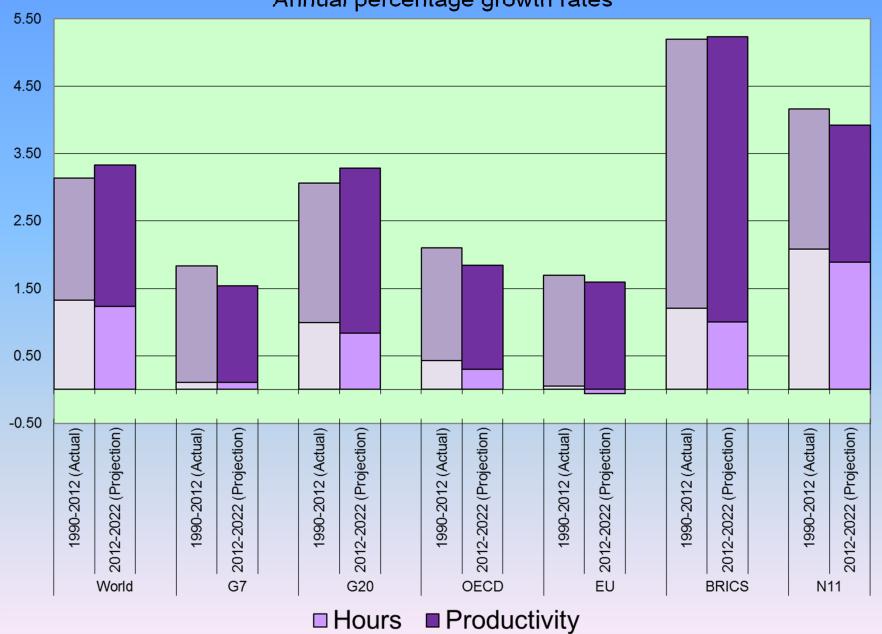


World Growth Projections, 2012-2022

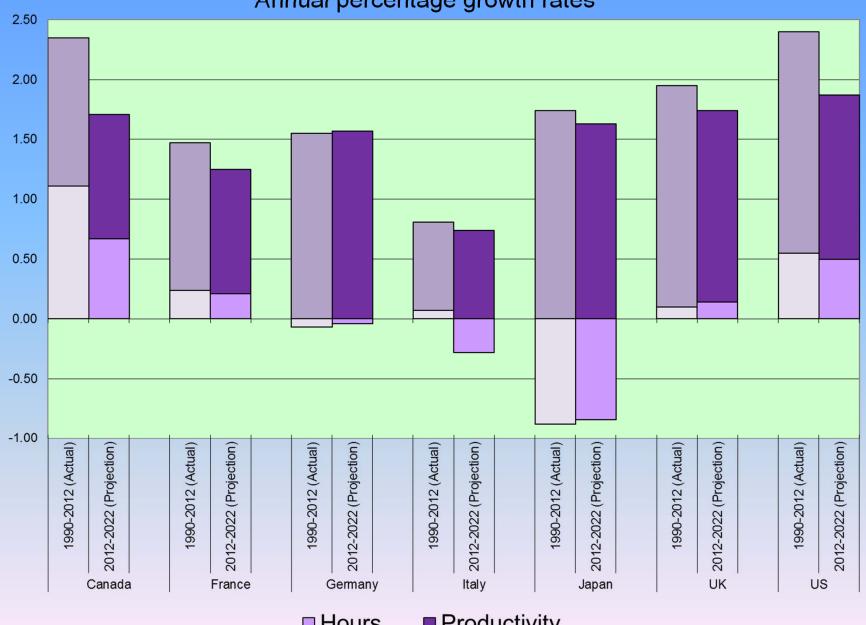
Annual percentage growth rates



Growth Projections for the World Economy Annual percentage growth rates



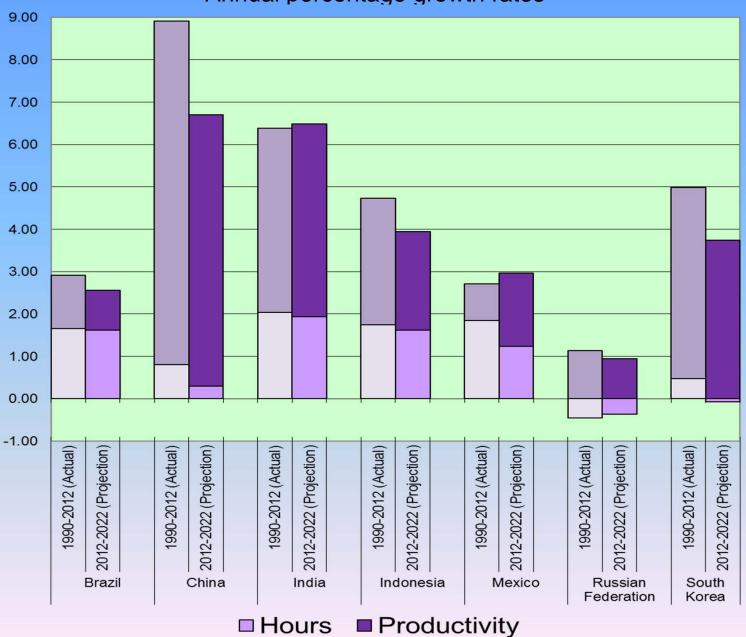
Growth Projections for the G7 Economy Annual percentage growth rates



Hours

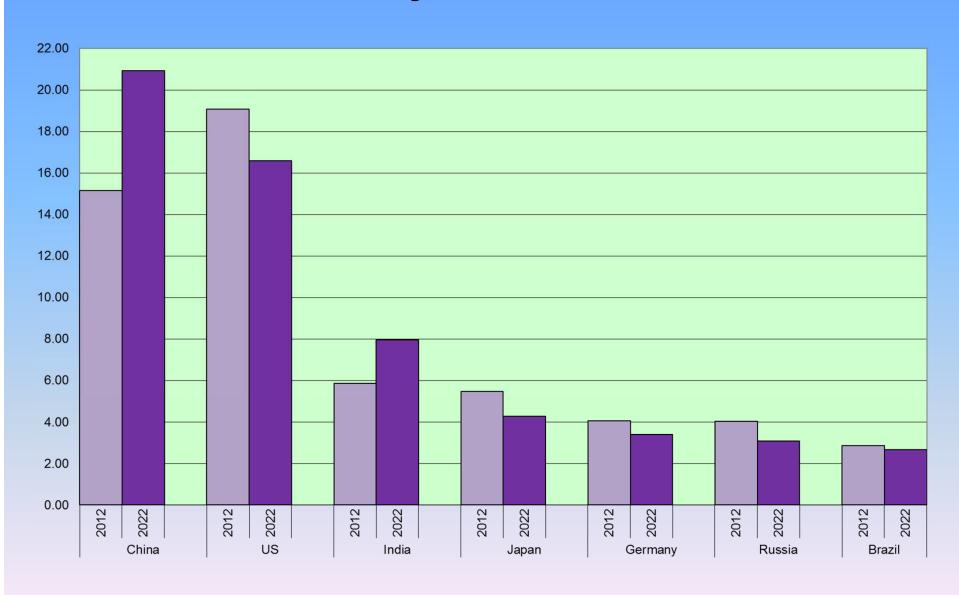
■ Productivity

Growth Projections for the BRICS Economy Annual percentage growth rates



New Economic Order 2022

Percentage shares of world GDP



WORLD ECONOMIC GROWTH

RESEARCH ON ECONOMIC GROWTH:

Growth of Input Greatly Exceeds TFP Growth; Most Growth is Replication Not Innovation

THE ASIAN MODEL OF ECONOMIC GROWTH:

The Special Sauce Is Globalization and the Accumulation of Human and Nonhuman Capital

OFFICIAL STATISTICS:

Growth Is Now Included in Our National Accounts; This Involves a New Architecture for the Accounts