

Trade-led Growth in Times of Crisis
Asia-Pacific Trade Economists' Conference
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Session 3

Trade and Sectoral Impacts of the Financial Crisis: A
Dynamic CGE Analysis

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Introduction

- The Global Financial Crisis (GFC)
 - Led to a significant downturn in the global economy
 - Impacts felt throughout the world
- Recent signs that the worst may be over
 - But the global economy remains fragile with many uncertainties
- We explore the effects of the GFC using a dynamic global CGE model
 - Particular focus on trade and sectoral impacts

Overview

- Model and baseline
 - Data and calibration
 - Baseline projection
- Simulations
 - Calibration simulation
 - Three alternative scenarios representing different policy responses and severity of the crisis
- Tentative results

Model

- We use GDyn: a dynamic global CGE model
 - Maintains many features of the GTAP model
 - Also tracks foreign ownership of capital and investment behaviour, including errors in expectations
 - We can model consecutive periods of the crisis
 - We can also track the time path of adjustment for each country/region
- Modified for our purposes e.g.
 - Inclusion of unemployment
 - Incorporation of extensive historical data
- First job is to get an appropriate baseline

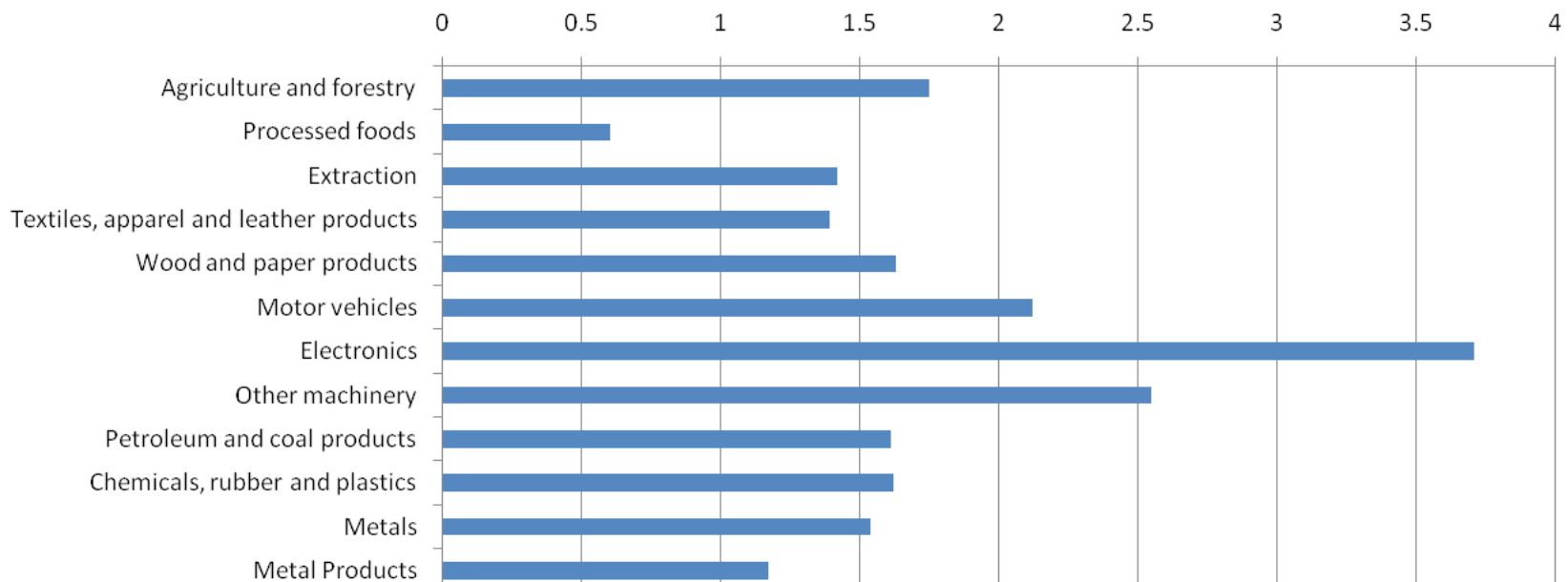
Baseline

- Baseline represents how the global economy might look in the absence of the crisis
 - An important but very challenging task
- Previous approaches have focused on
 1. Projections for a few key macro variables (Walmsley 2006)
 2. A series of simulations covering historical, decomposition and forecasting (Dixon and Rimmer, single country models)
 - We use a combination of these approaches

Data sources

- GTAP/GDyn version 6 and version 7 databases
 - Benchmark year of 2001/2004
 - Aggregated to 27 sectors and 29 countries/regions
- Supplementary data collated
 - Extensive historical data
 - Macro projections of the GFC impact
 - Estimates of sectoral productivity growth

Estimated sectoral productivity growth differentials



预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_8162

