



Global Harvest
INITIATIVE

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AGENDA

- About Global Harvest Initiative
- Challenges
- Identifying and Measuring the GAP
- Policies Solutions that Foster Development

GLOBAL HARVEST INITIATIVE

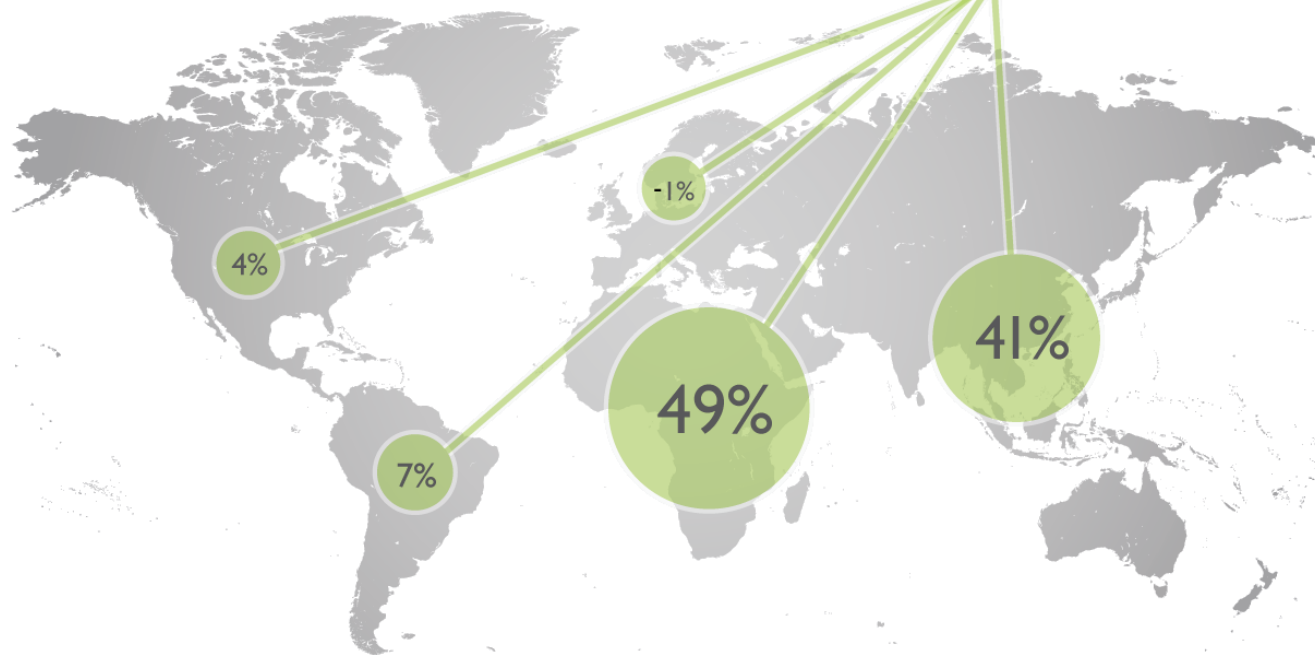
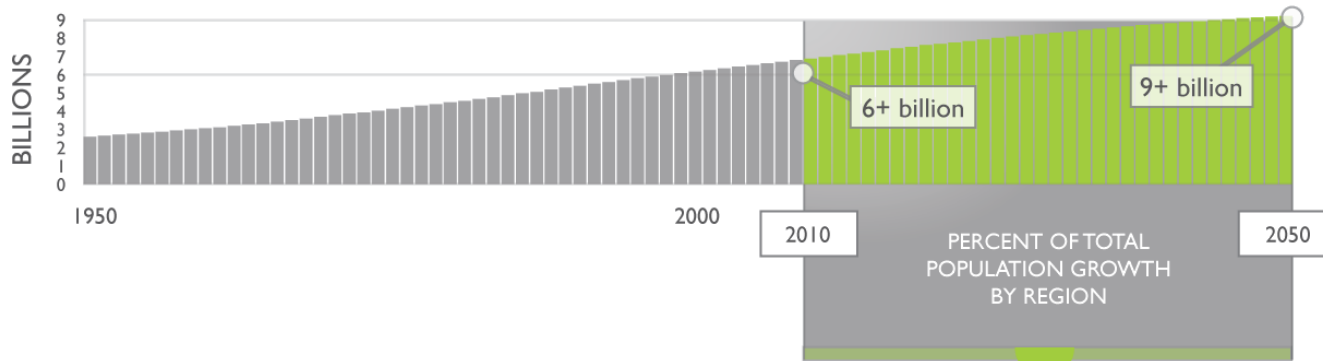
[About GHI](#)

Established in 2009 by ADM, DuPont, John Deere and Monsanto

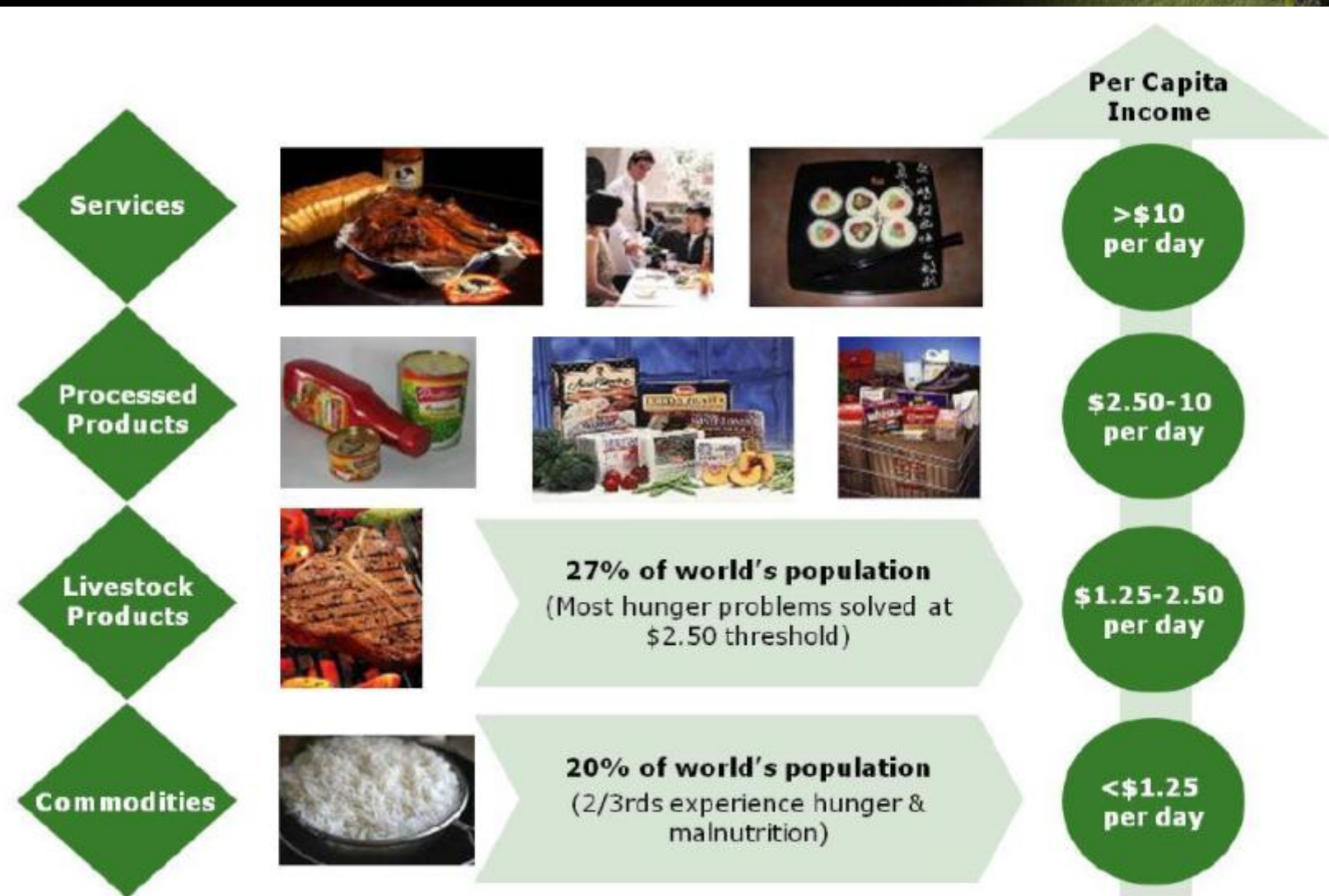
Mission - Eliminate the global productivity gap by sustainably doubling agricultural output through increasing the rate of productivity to meet the needs of a growing world



GLOBAL POPULATION GROWTH AND PERCENT OF GROWTH BY REGION 2010-2050



DYNAMICS OF FOOD DEMAND



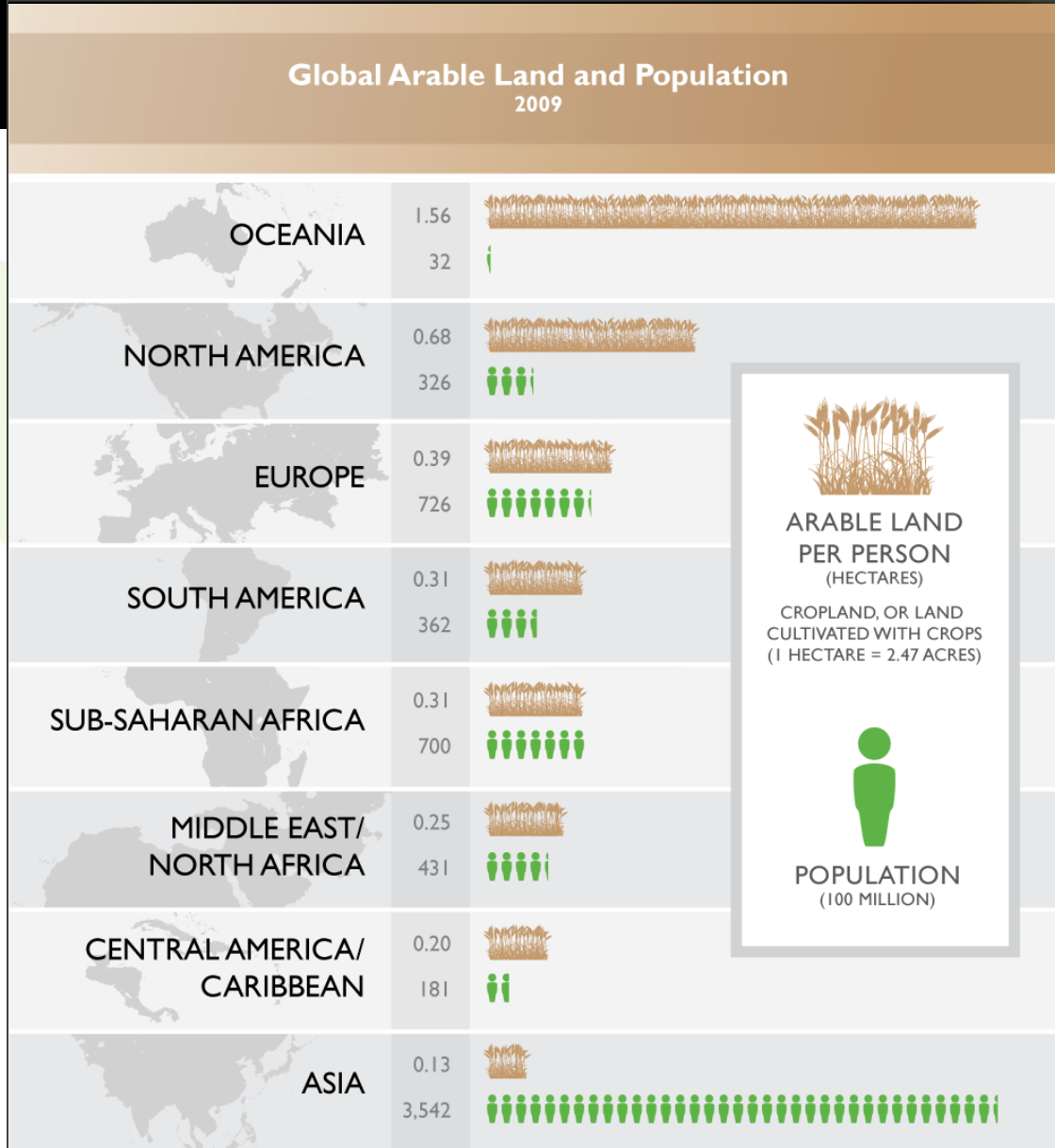
RESOURCE CHALLENGES



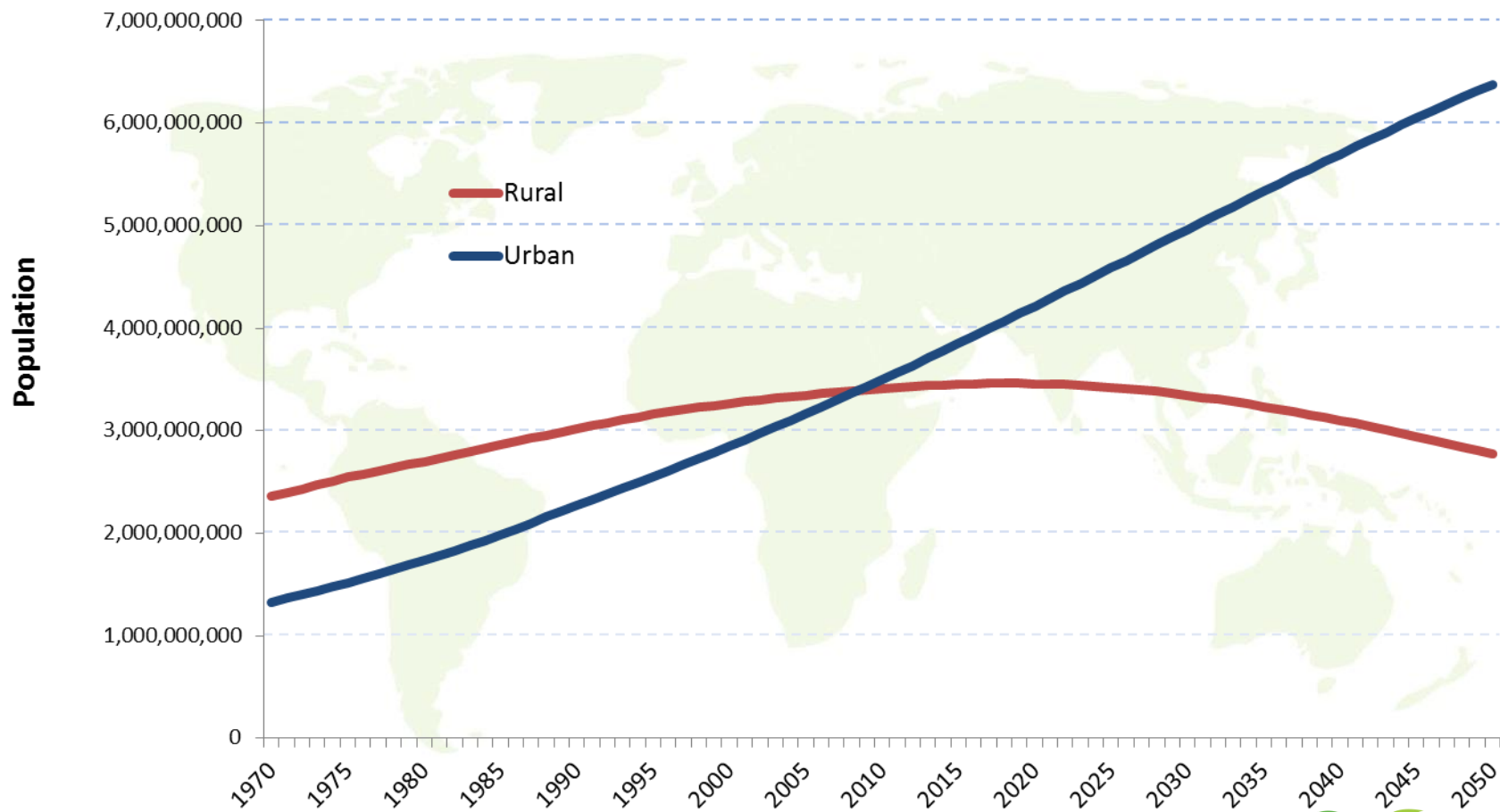
Total Global Water Withdrawn IN BILLIONS OF CUBIC METERS, 2007



POPULATION TO ARABLE LAND



RURAL-URBAN POPULATION SHIFT



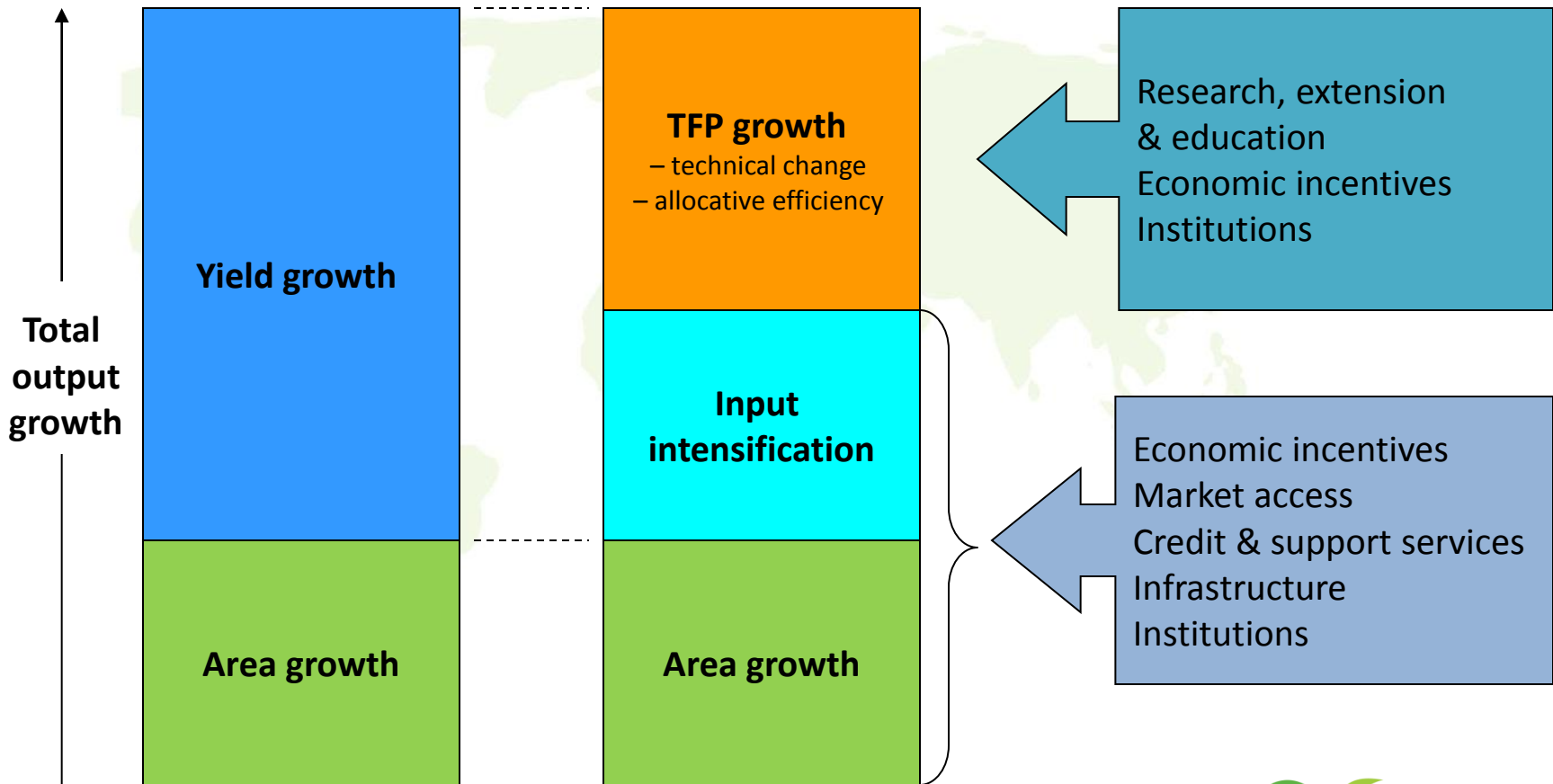


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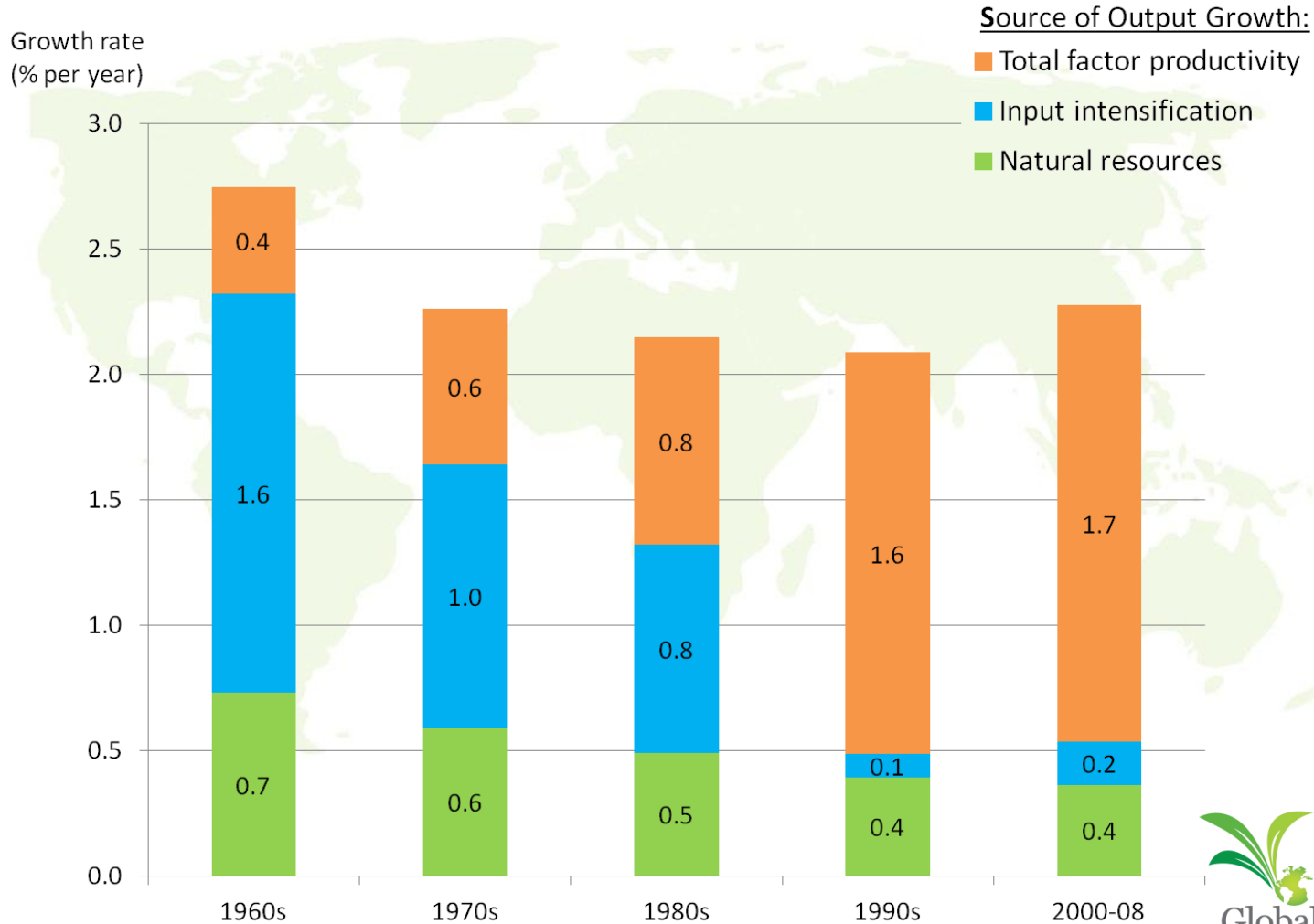
Defining and Measuring the GAP



BOTH INPUT INTENSIFICATION AND TOTAL FACTOR PRODUCTIVITY (TFP) CONTRIBUTE TO YIELD GROWTH



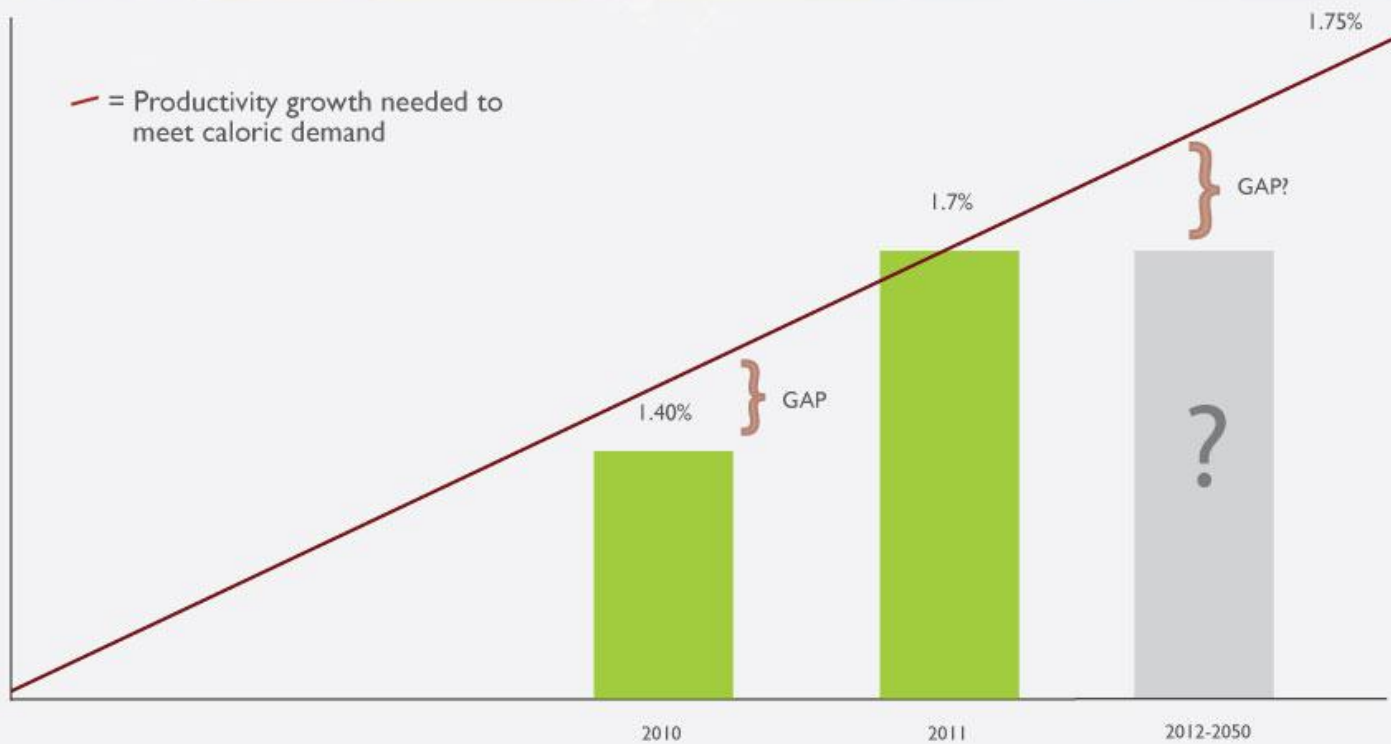
GLOBALLY, TFP HAS REPLACED INPUT INTENSIFICATION AS THE PRIMARY SOURCE OF YIELD AND OUTPUT GROWTH



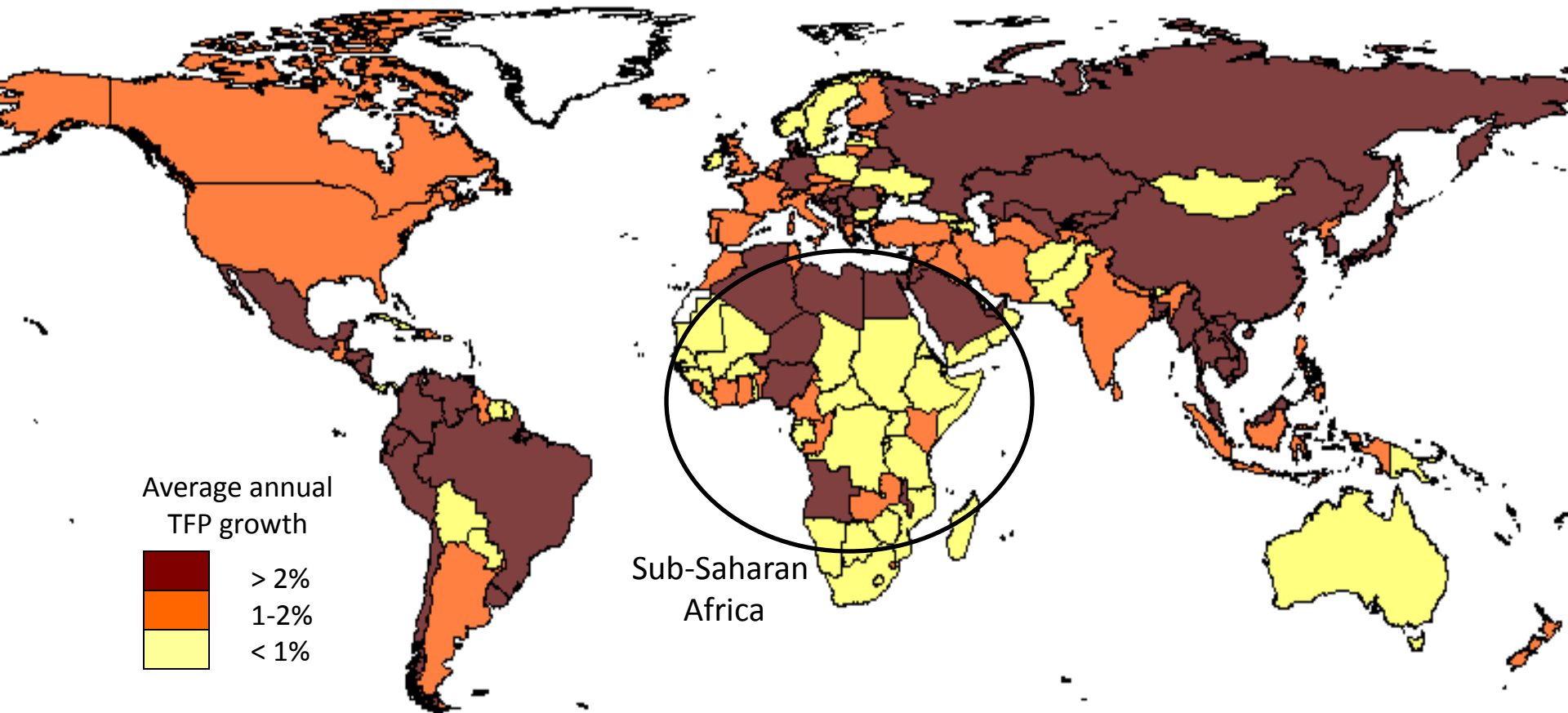
THE 2011 GAP INDEX™



The Global Agricultural Productivity Index™



AVERAGE AGRICULTURAL TFP GROWTH, 1990-2008



GHI IDENTIFIED 5 POLICY SOLUTIONS THAT FOSTER AGRICULTURAL DEVELOPMENT

- Enhancing Private Sector Involvement in Agricultural and Rural Infrastructure Development
- Improving Agricultural Research Funding, Structure and Collaboration
- Removing Barriers to Global and Regional Trade in Agriculture
- Strengthening and Streamlining Development Assistance Programs
- Embracing Science Based Technologies

