

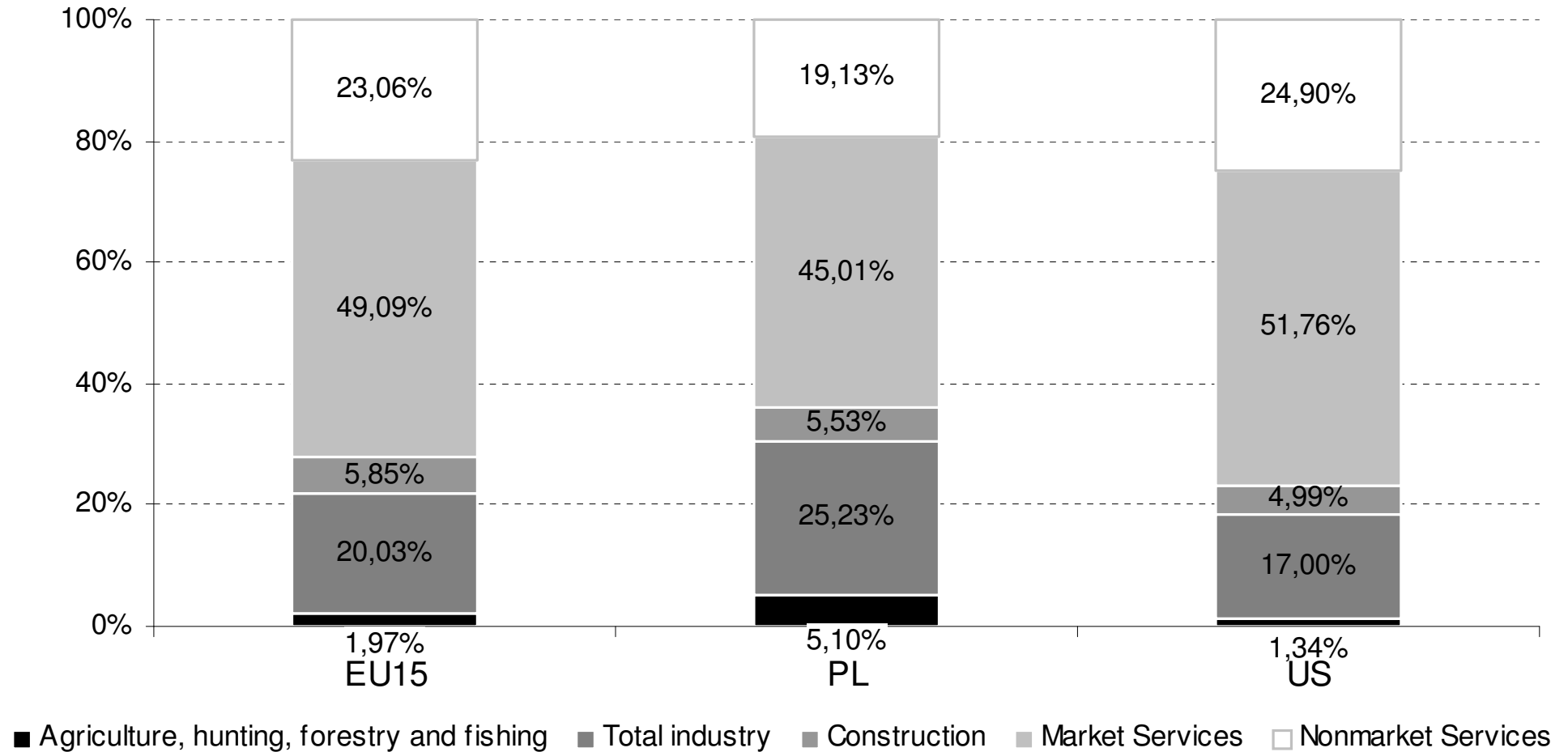
Some Facts About Output

GNP as a Percentage of GDP in 2004

Country	%
Kuwait	111,49
United Kingdom	101,98
Japan	101,92
United States	100,37
China	99,82
Germany	99,52
Mexico	98,43
Poland	95,44
Ireland	84,80

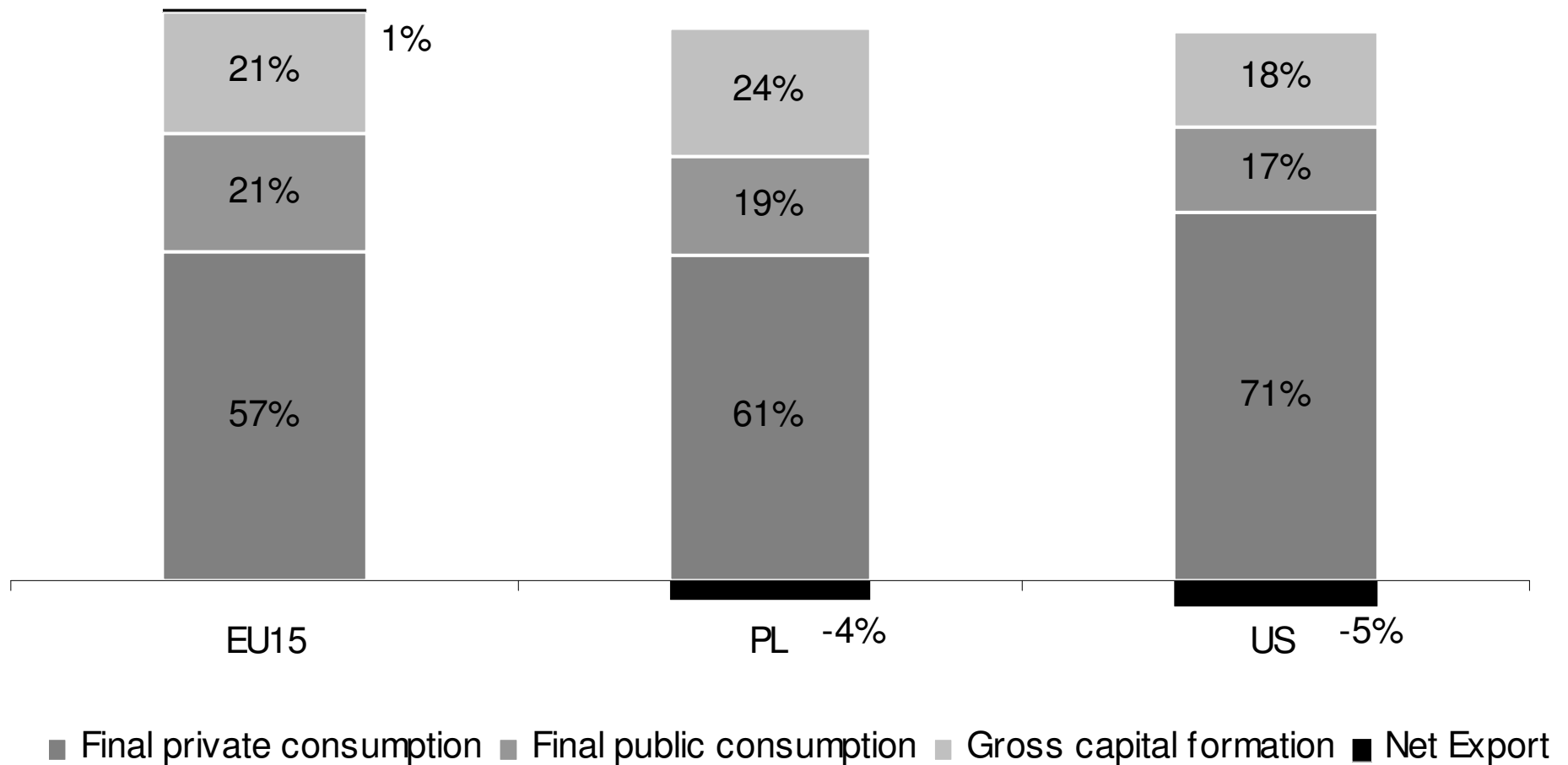
Source: Penn World Tables 6.2 2

2004 GDP– value added by sectors



Source: Eurostat 2008

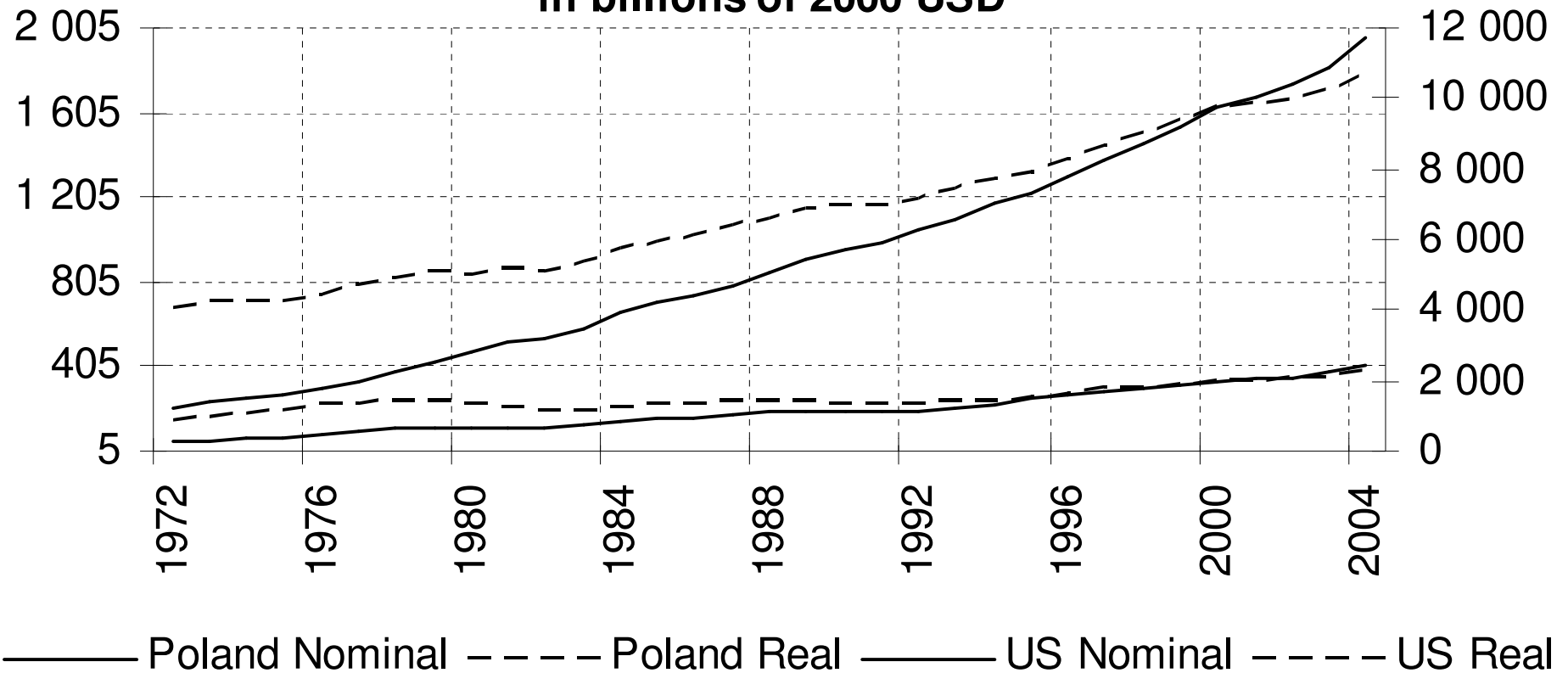
2008 GDP - expenditures



Source: Eurostat 2008

Nominal vs. Real GDP

Polish (left axis) and US (right axis) nominal and real GDP
in billions of 2000 USD



Source: Penn World Tables 6.2 ⁵

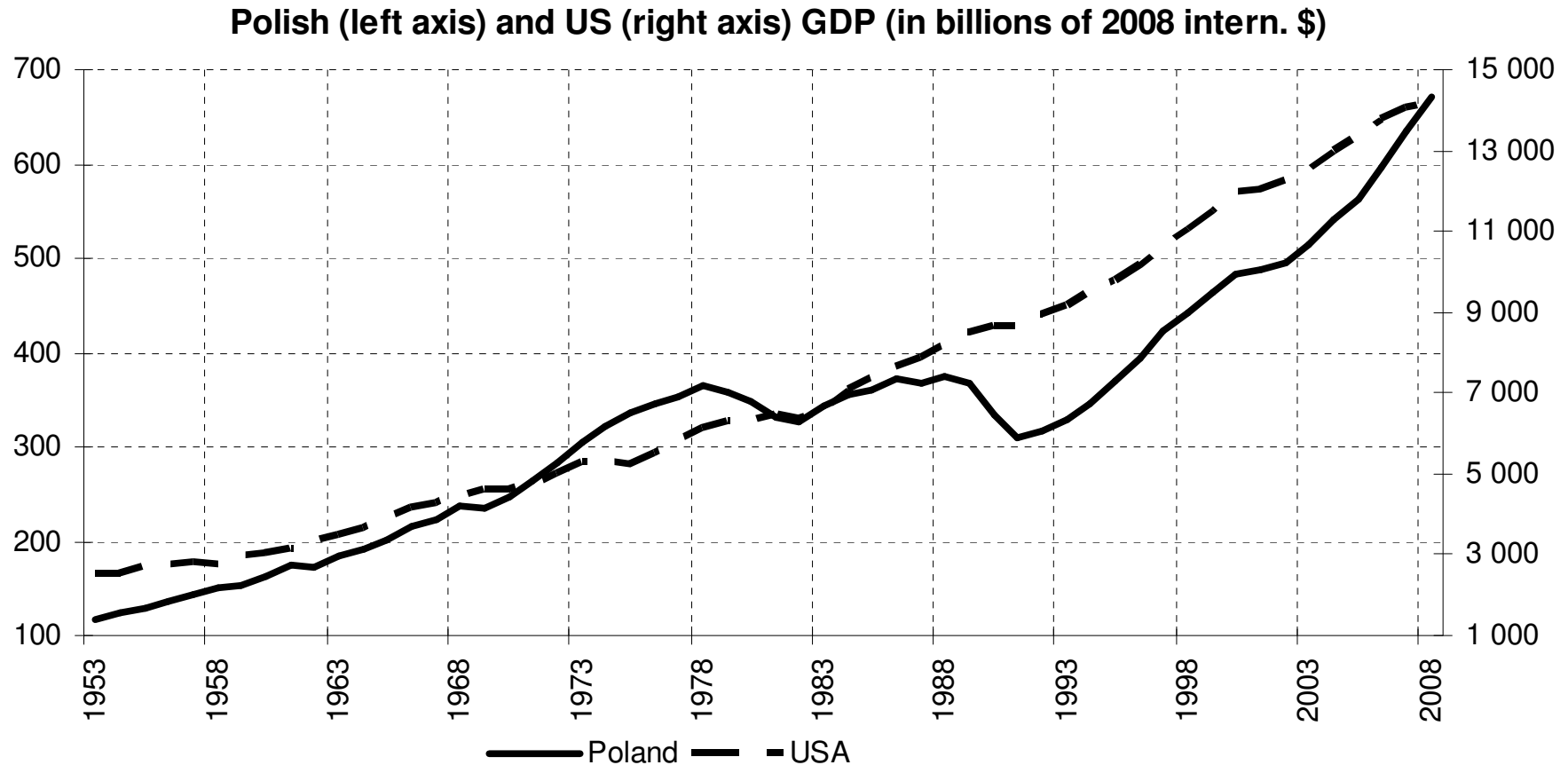
The Effects of PPP Adjustment

	2008 GDP pc	2008 GDP pc in EU27 Euro
Germany	30 302	28 990
Japan	26 154	27 877
Norway	65 414	45 270
Poland	9 500	14 080
Switzerland	44 147	34 363
United States	31 921	38 227
EU 27	25 137	25 137

Remark: EU27 Euro vs. international \$.

Source: Eurostat ⁶

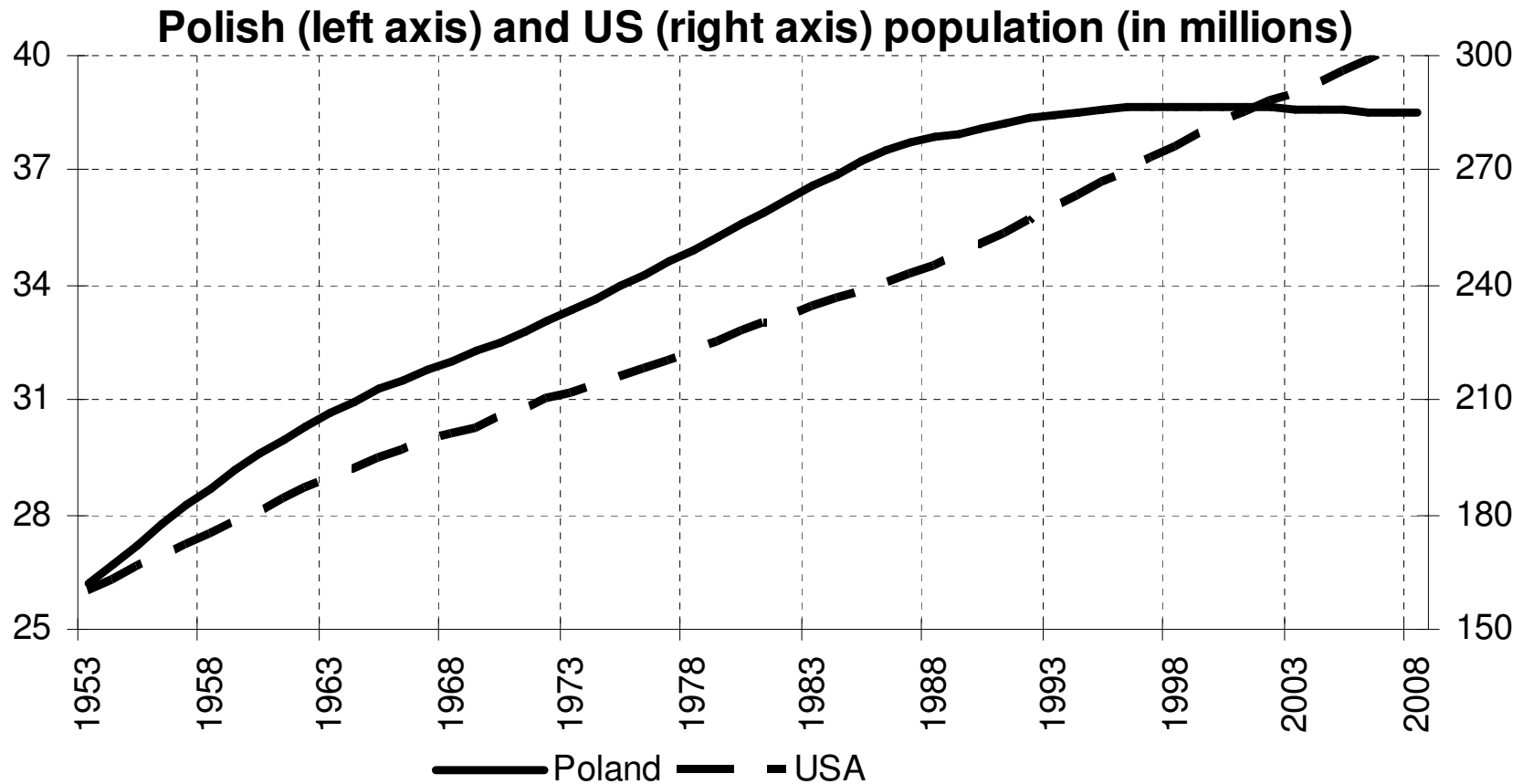
U.S. and Polish real GDP has increased six times since 1950



Remark: Be careful with communist statistics.

Source: GGDC 2008

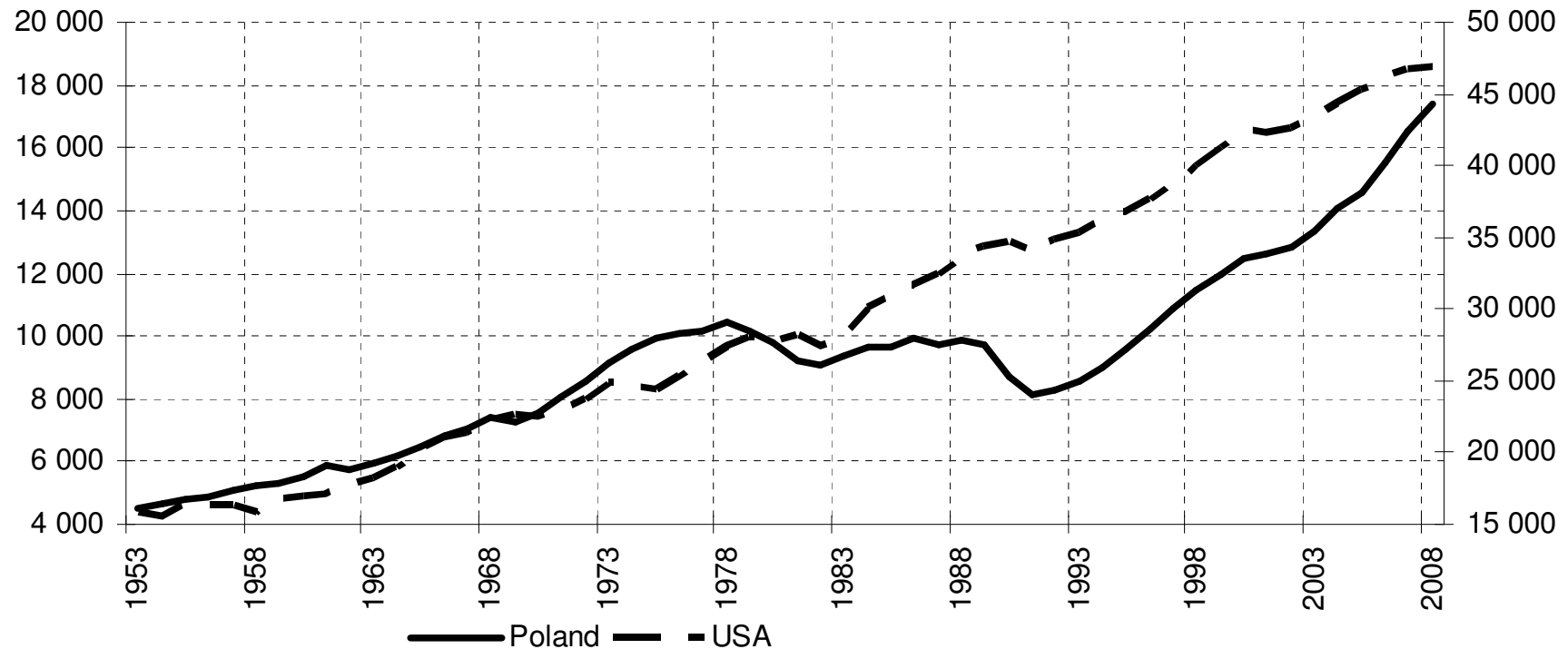
U.S. population has doubled since 1950 while Polish population has increased by 55%



Source: GGDC 2008

**U.S. real GDP per capita has tripled since 1950
while Polish has quadrupled but still
Polish real GDP pc PPP in 2008 = US real GDP pc in 1962**

Polish (left axis) and US (right axis) GDP (in 2008 intern. \$)

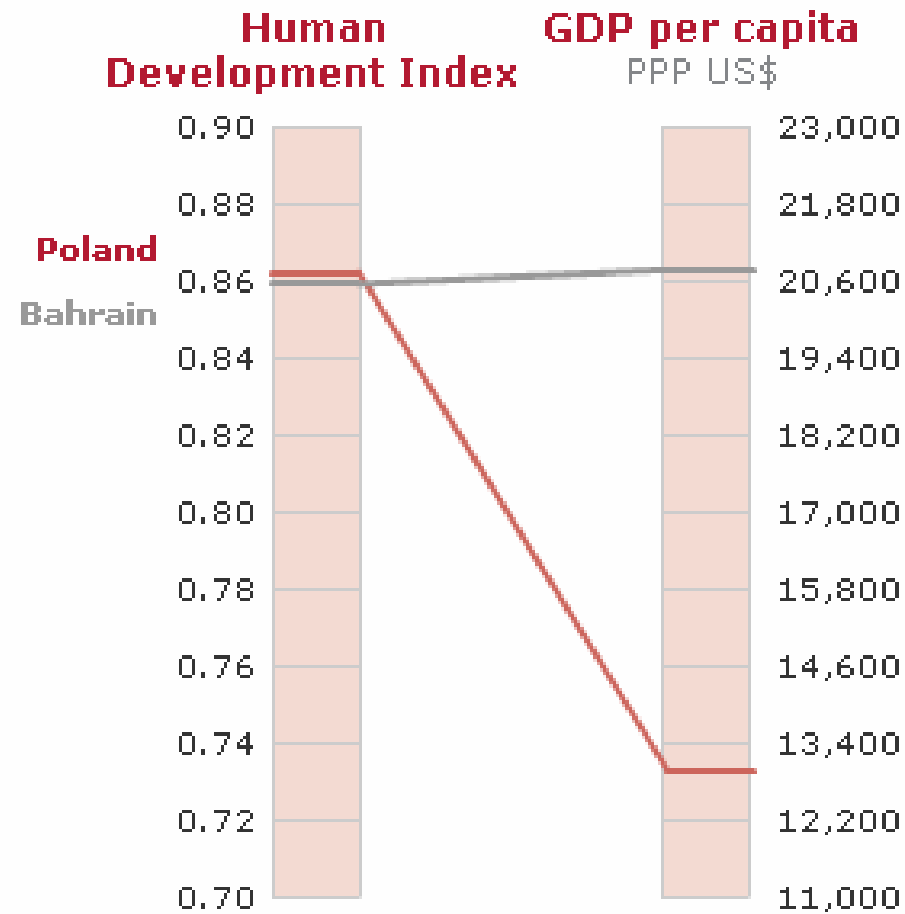


Source: GGDC 2008



Two different stories: from human development to income

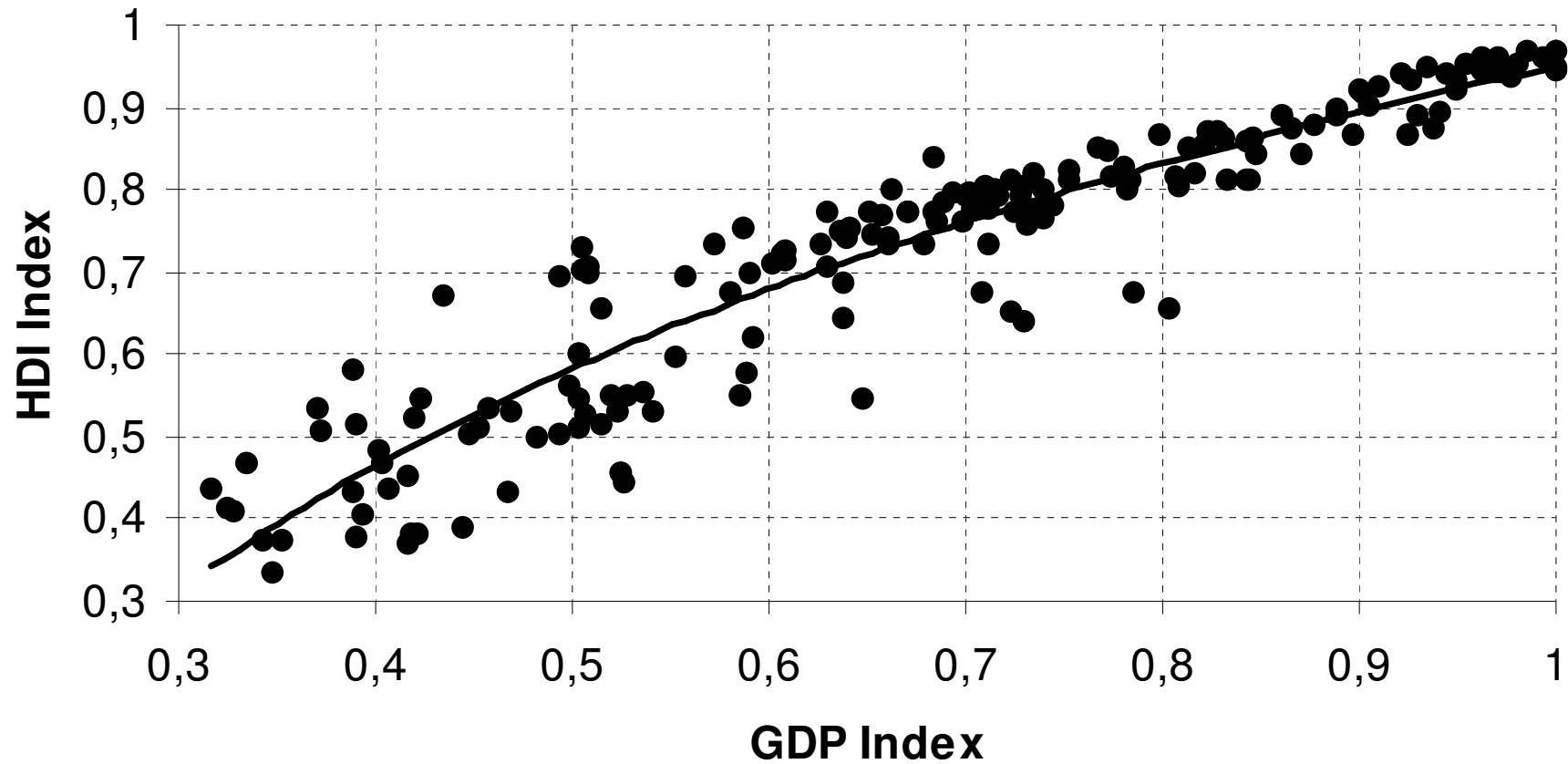
Poland



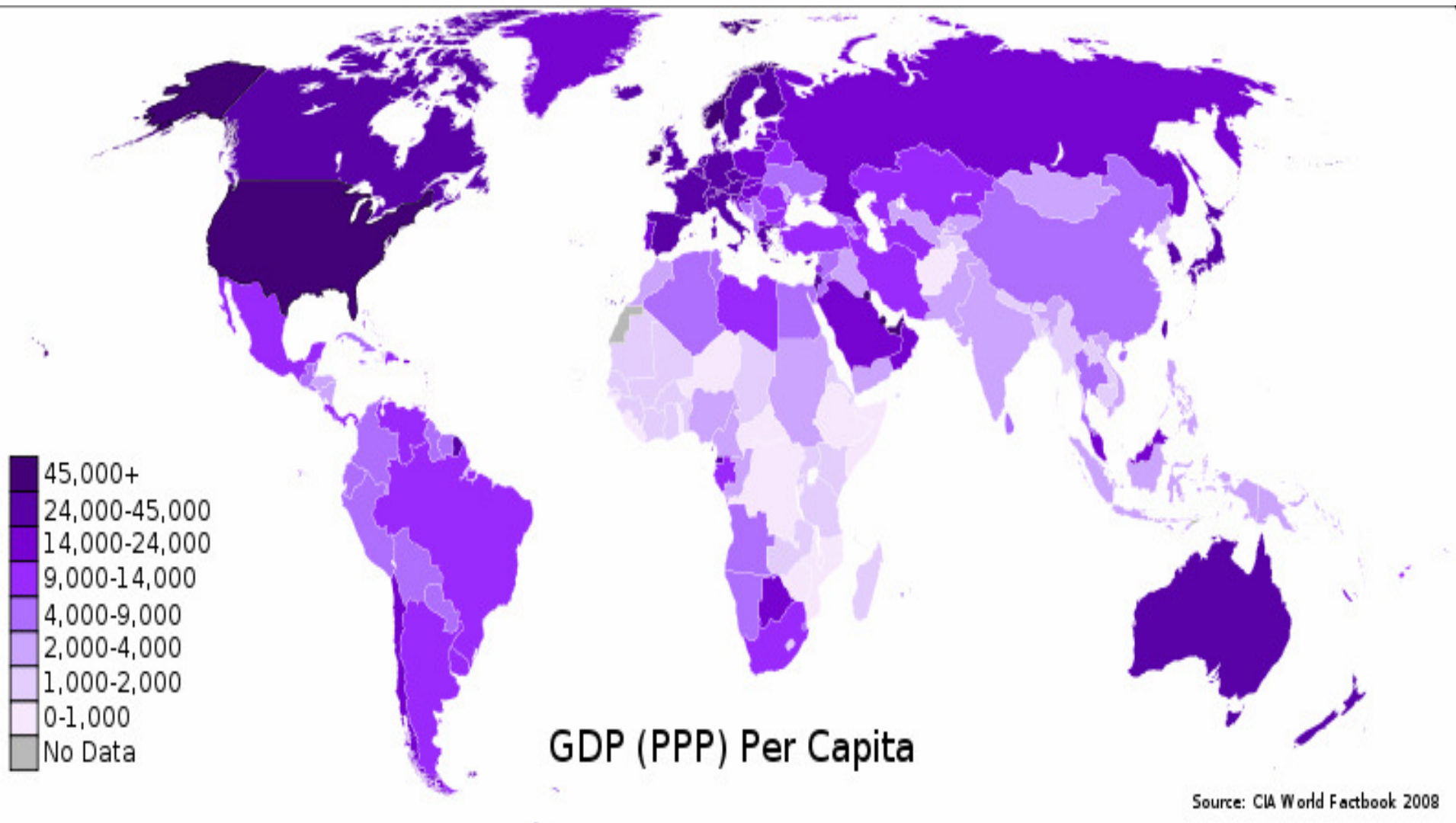
HDI and GDP data refers to 2005 as reported in the 2007/2008 Report.

Source: UNDP, Human Development Report 2007/08 ¹⁰

GDP and the Human Development Index 2005



Source: UNDP, Human Development Report 2007/08₁



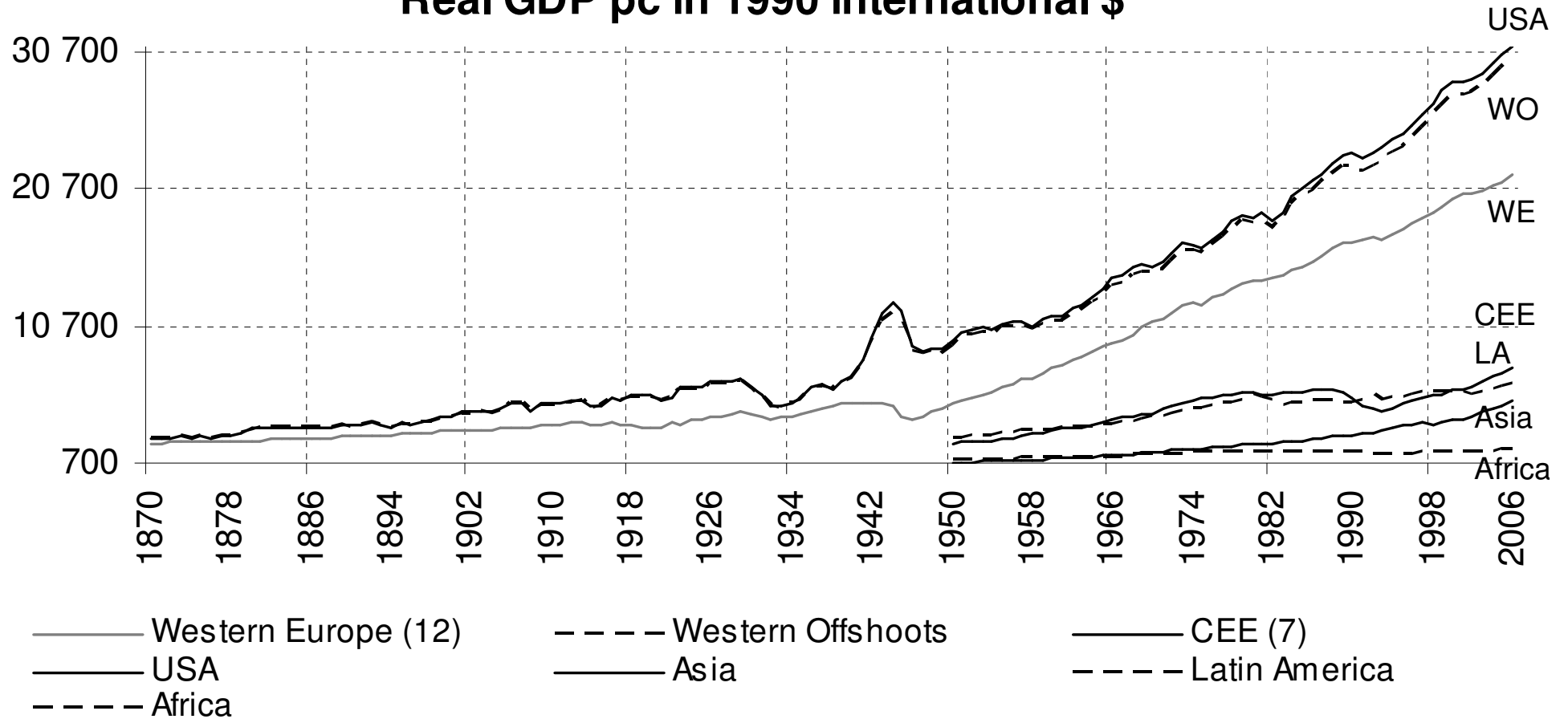
The Wealth of Nations: per capita GDPs in 1990 international \$s

Country/Year	1000	1820	2006
World	453	667	7 215
Western Europe	427	1 202	21 048
CEE (7 countries)	400	683	7 689
Western Offshoots	400	1 202	29 965
Latin America	400	691	6 444
Africa	425	420	1 662
Asia	470	581	5 172
Japan	425	669	22 462

Source: GGDC, Maddison, 2008

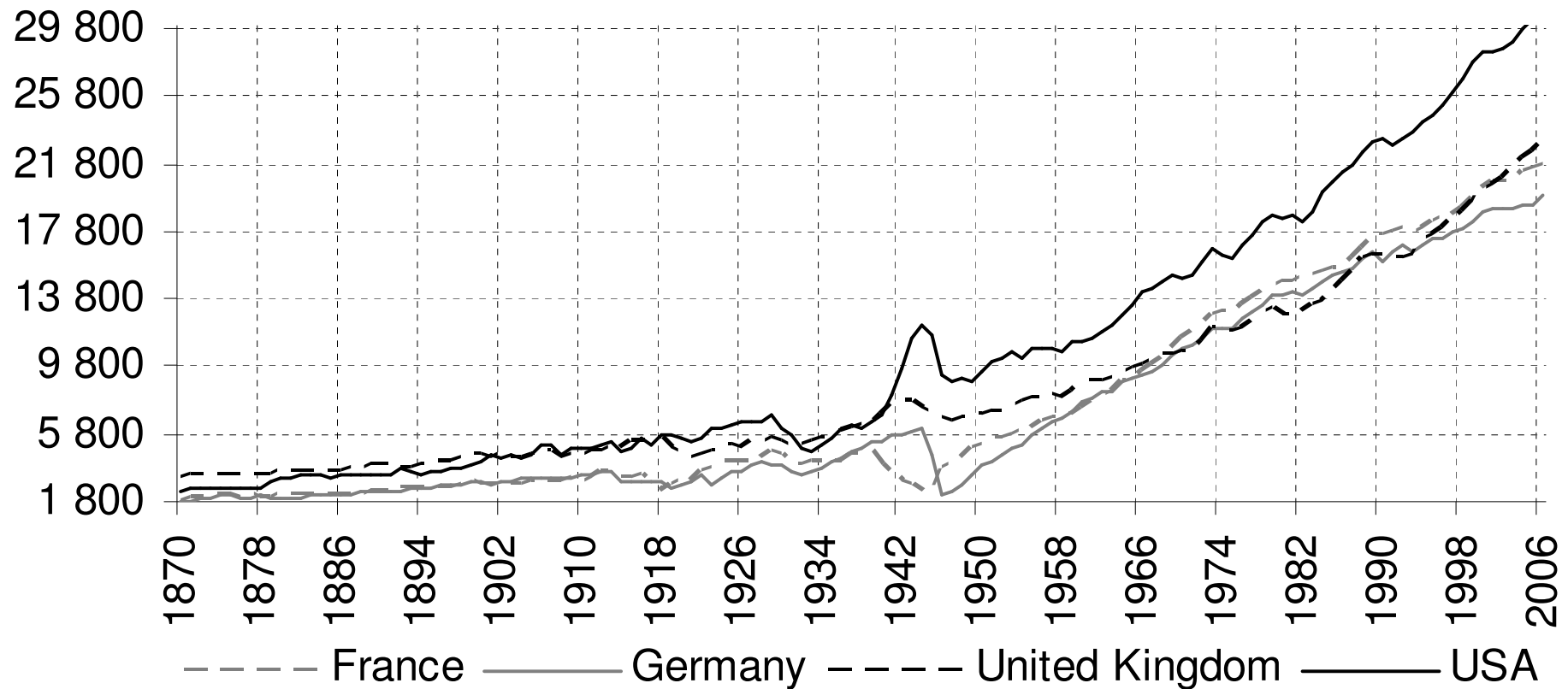
Regional growth paths

Real GDP pc in 1990 international \$



Growth paths: developed countries

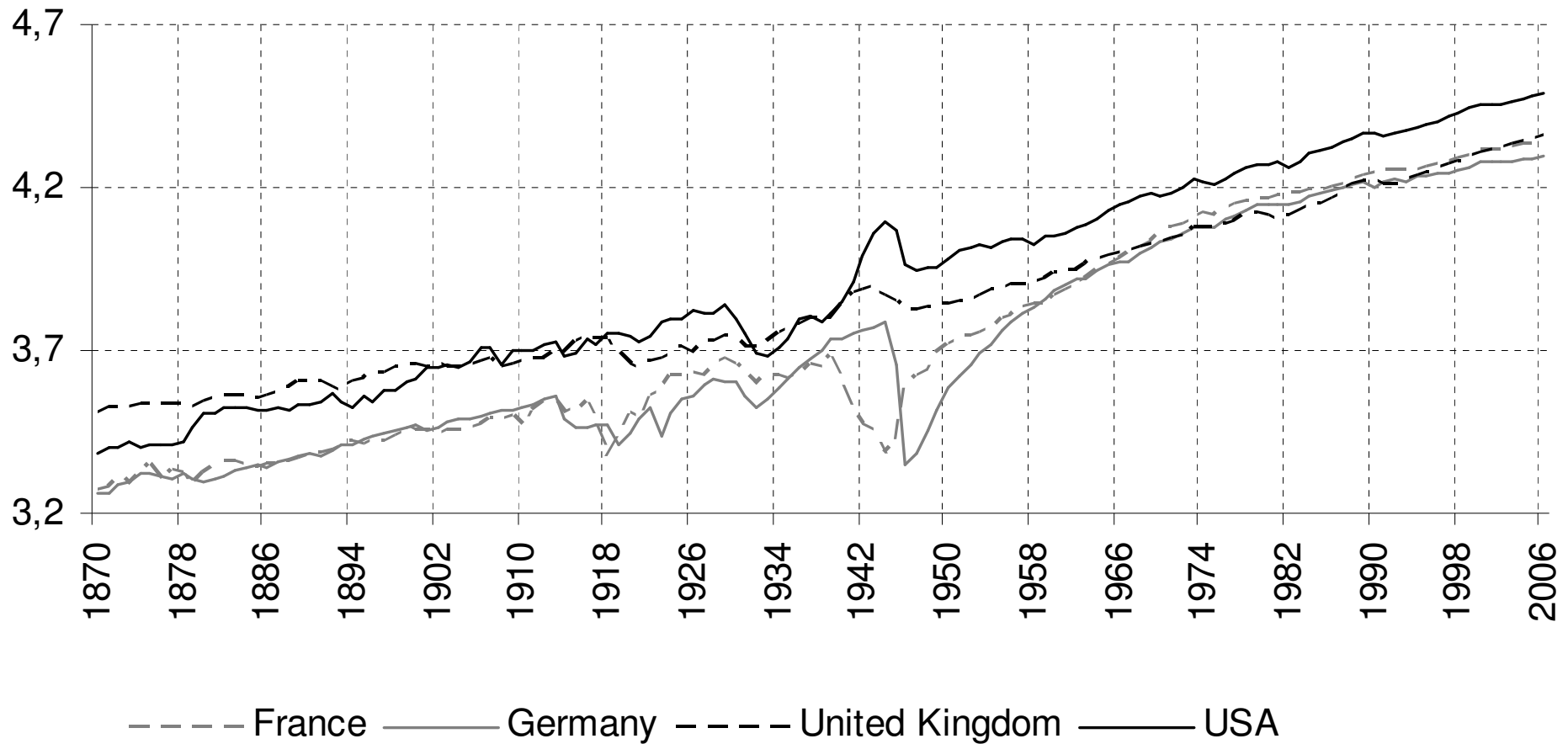
Real GDP pc in 1990 international \$



Source: GGDC, Maddison, 2008

Illustration: Exponential Growth

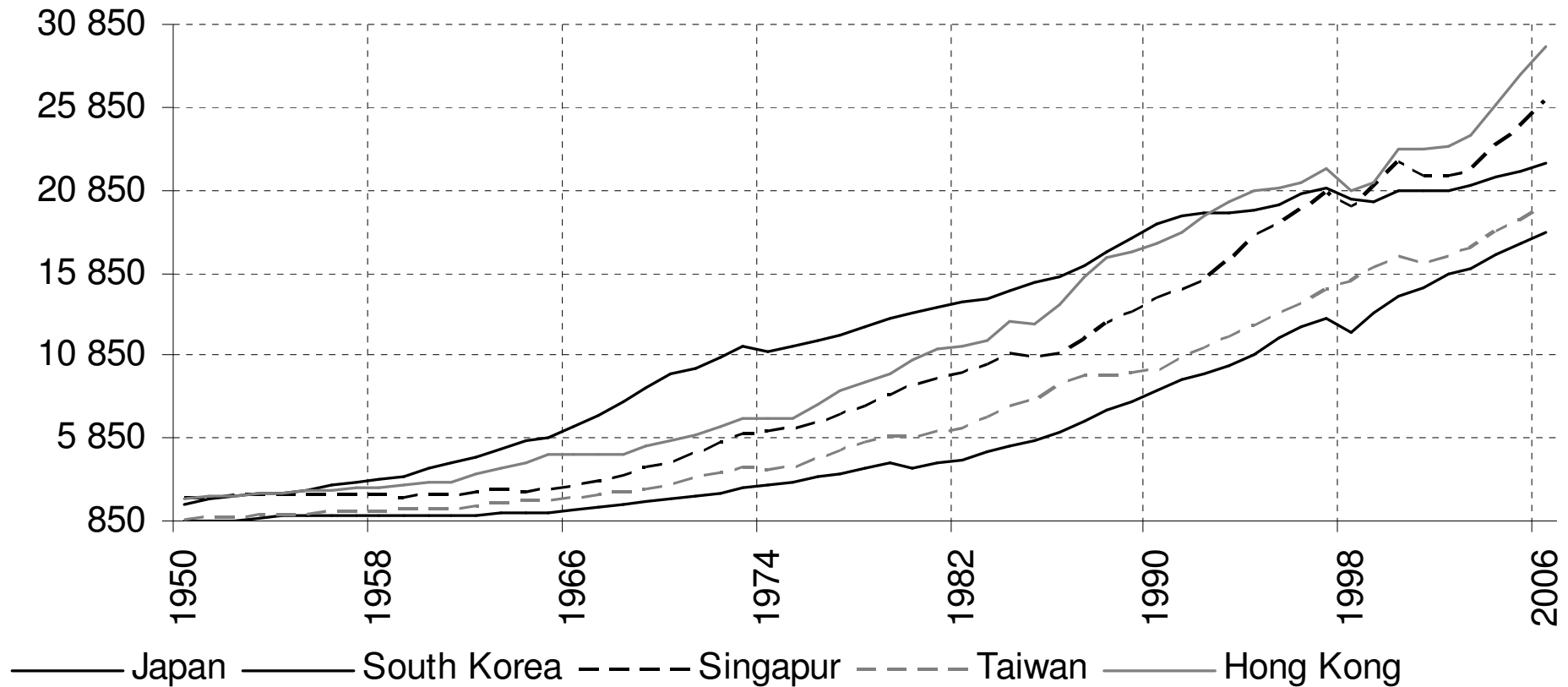
Logarithm of real GDP pc in 1990 international \$



Source: GGDC, Maddison, 2008

The South East Asian Growth Miracles

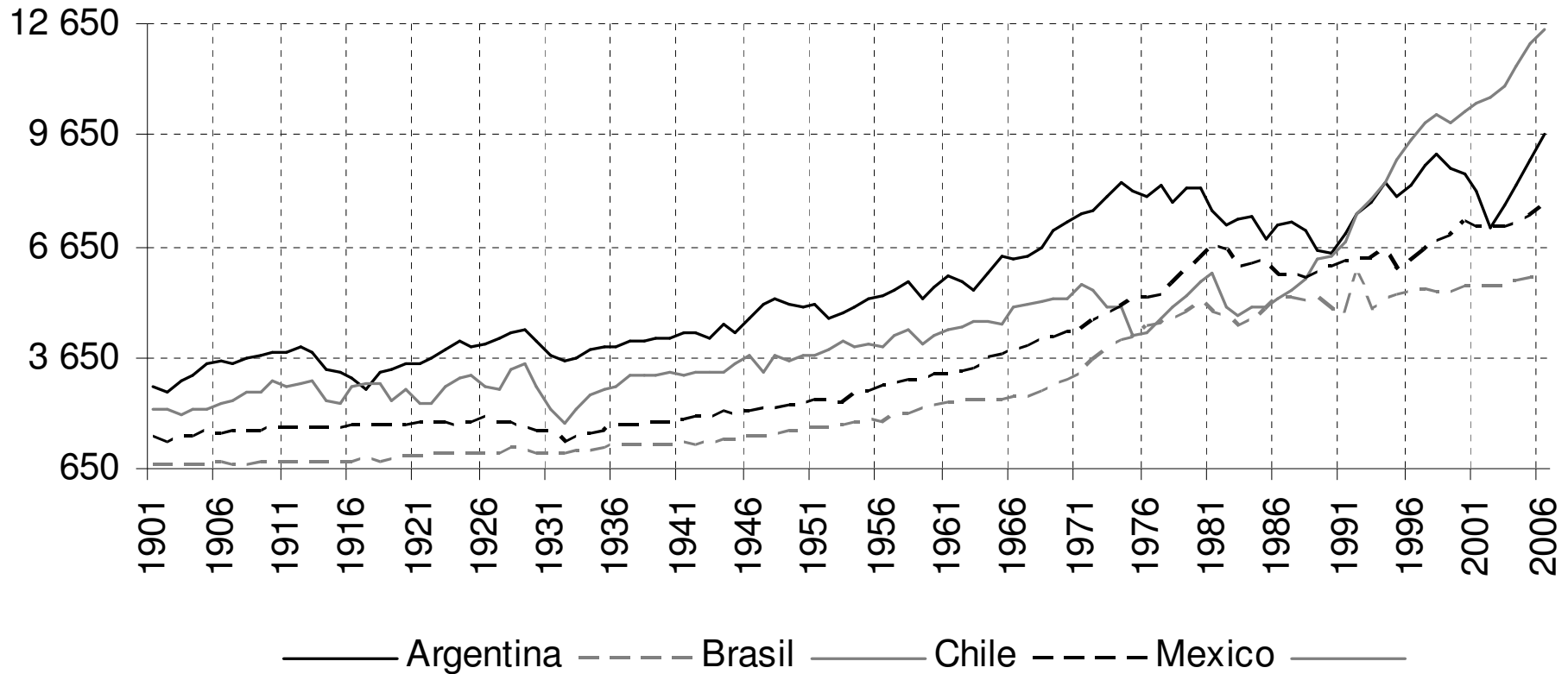
Real GDP pc in 1990 international \$



Source: GGDC, Maddison, 2008 17

Growth in Latin America

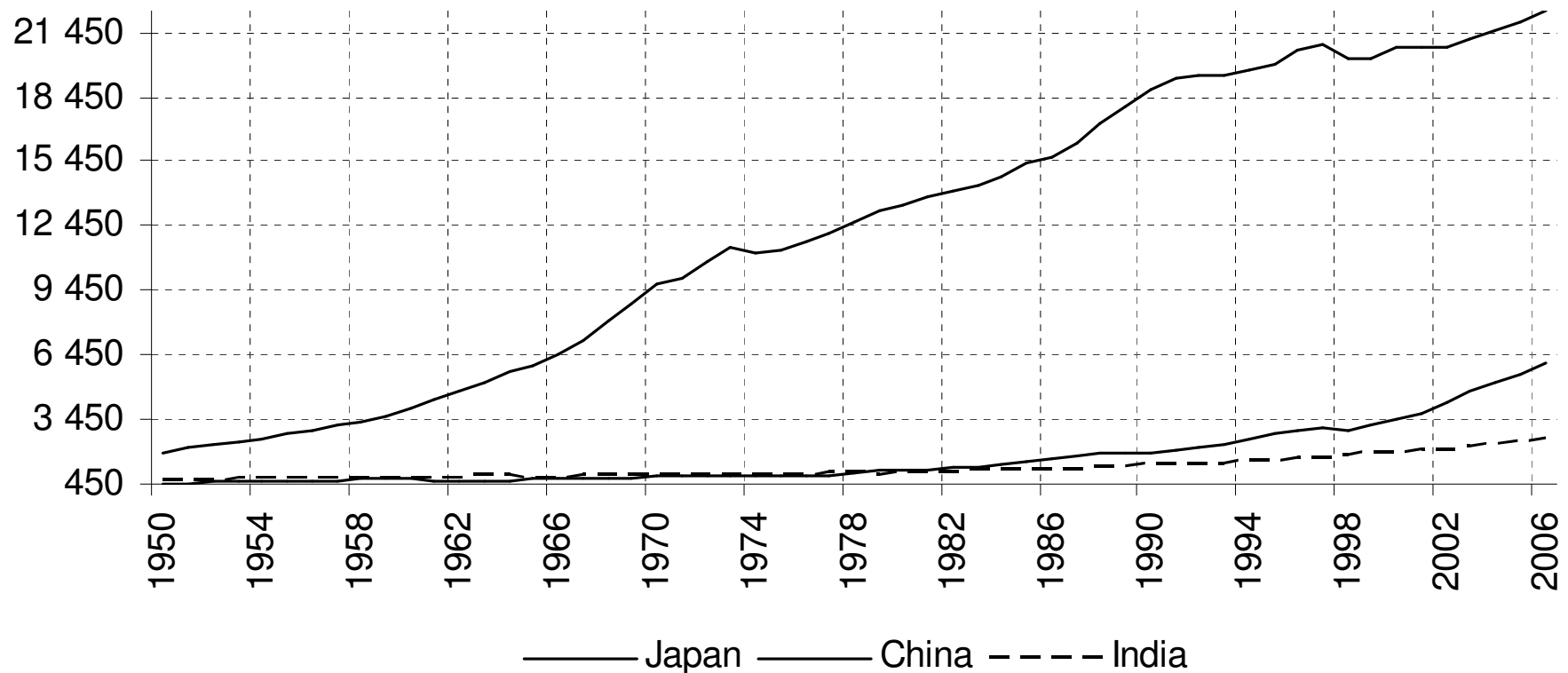
Real GDP pc in 1990 international \$



Source: GGDC, Maddison, 2008 18

Comparatively Little per capita Growth in India and China

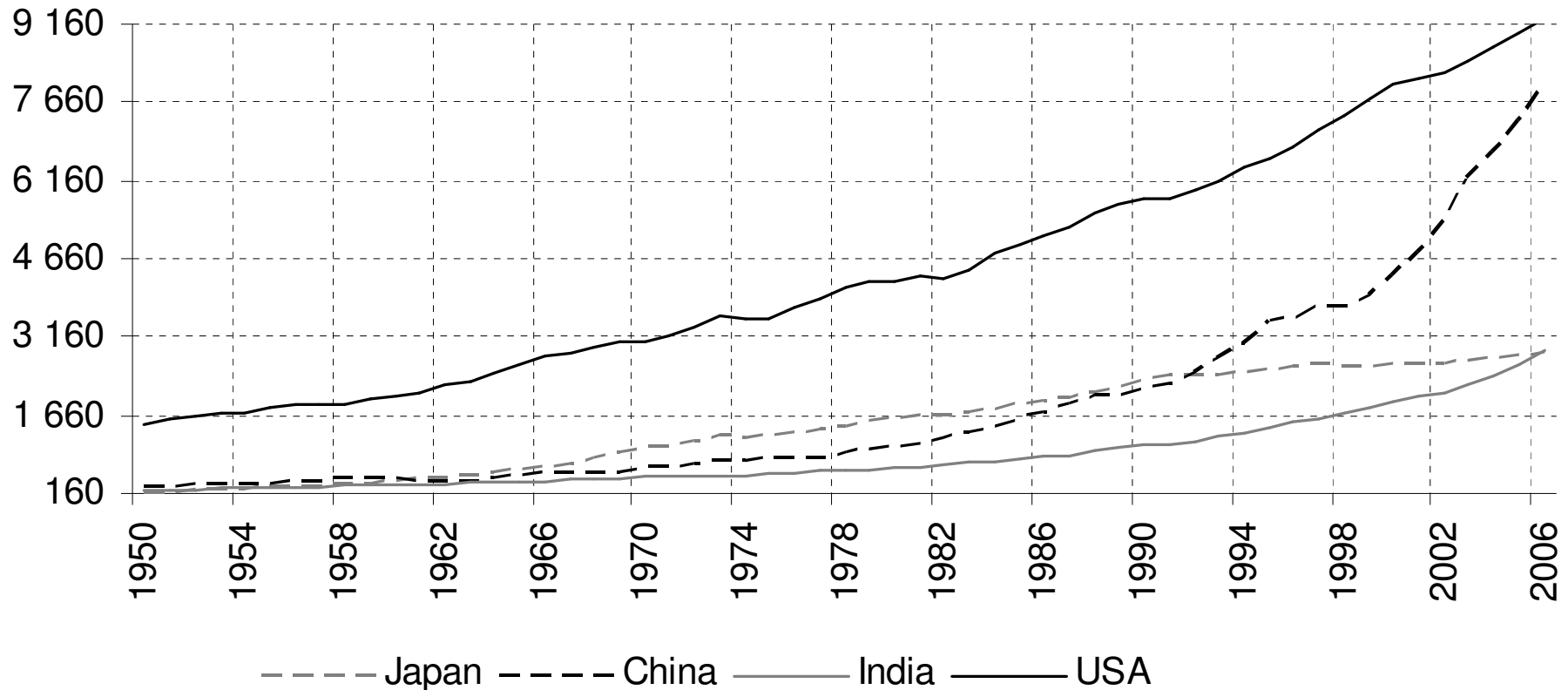
Real GDP pc in 1990 international \$



Source: GGDC, Maddison, 2008 19

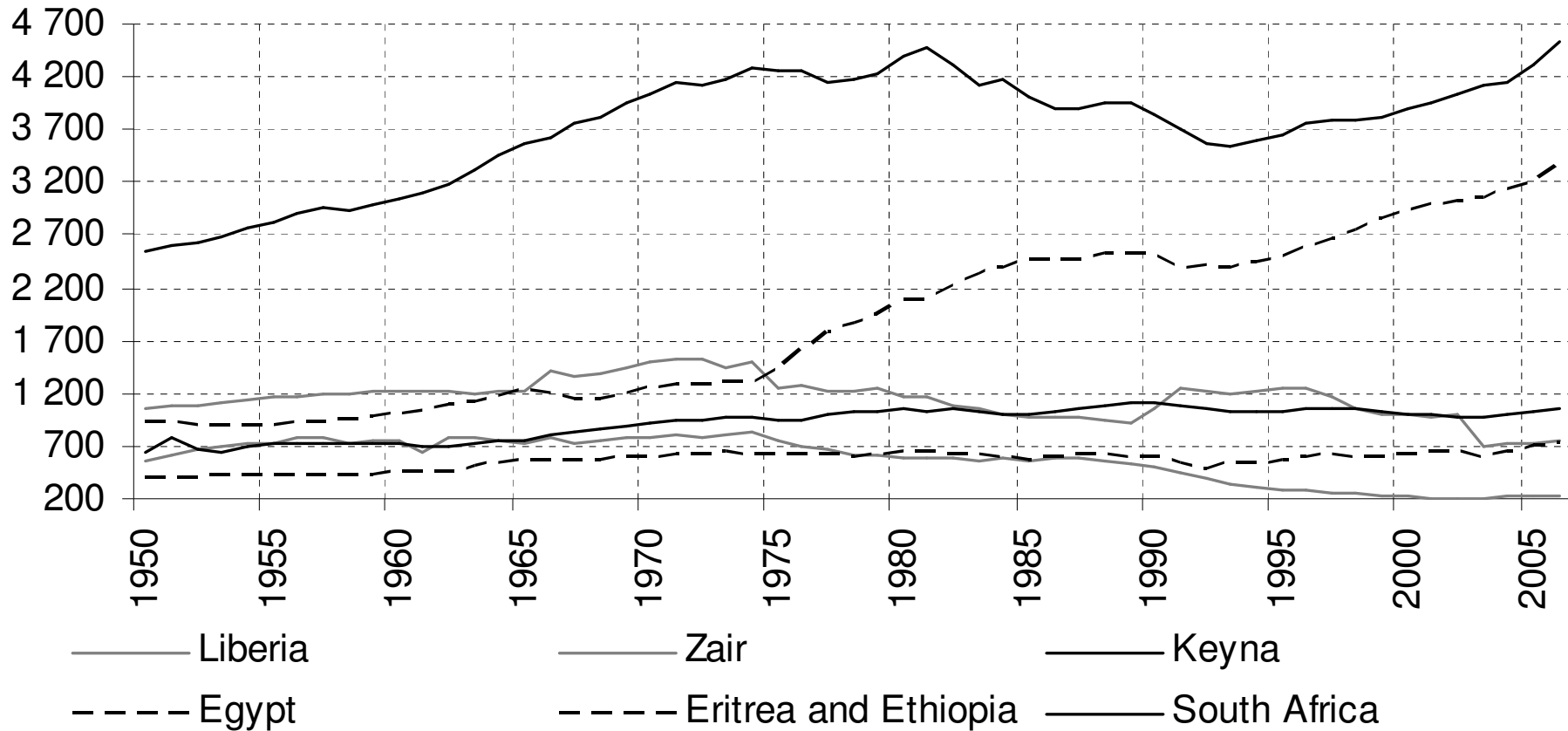
Though in Levels They Are Big Already

Real GDP in billions 1990 international \$



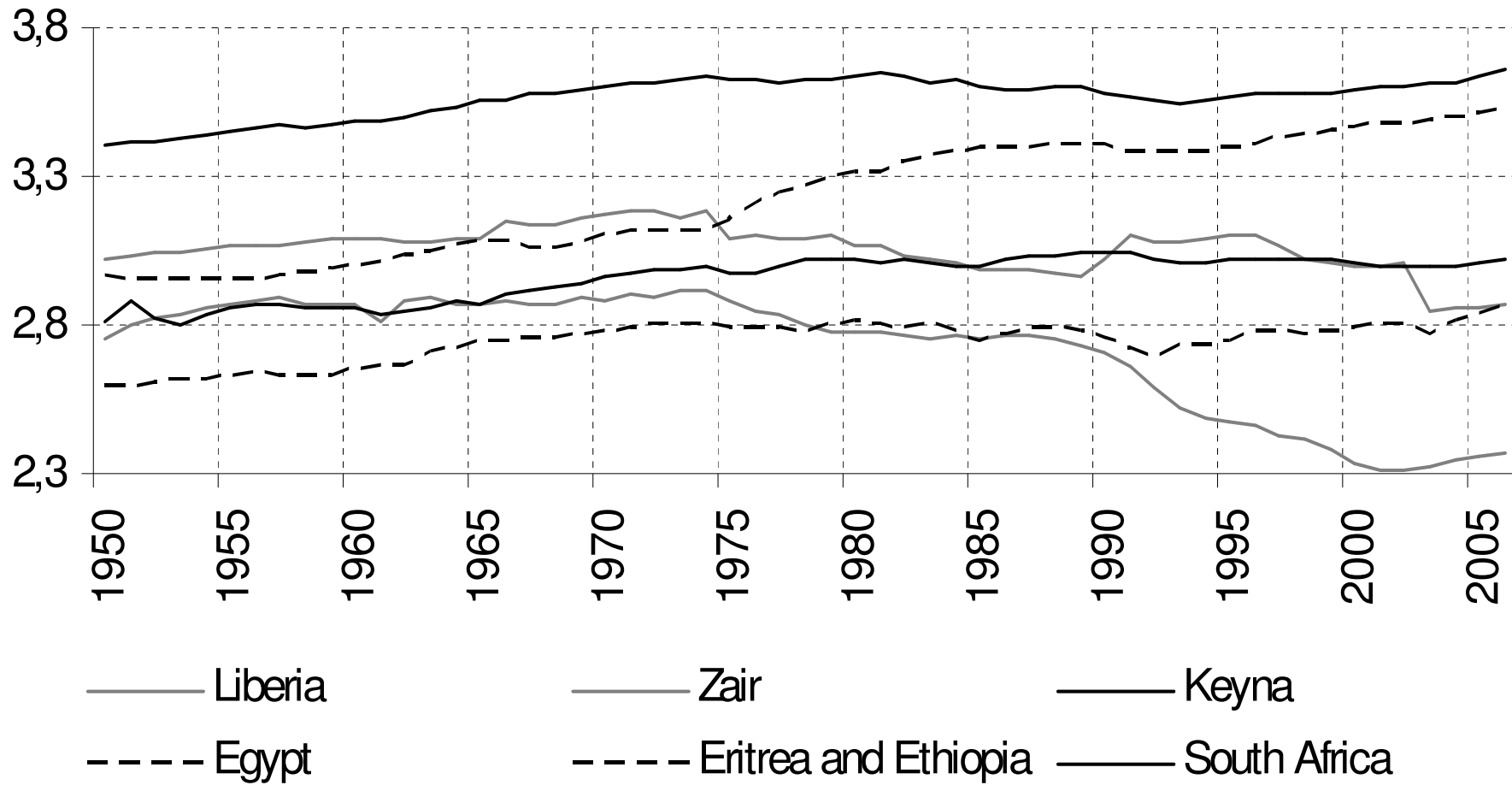
Growth in Africa ?

Real GDP pc in 1990 international \$



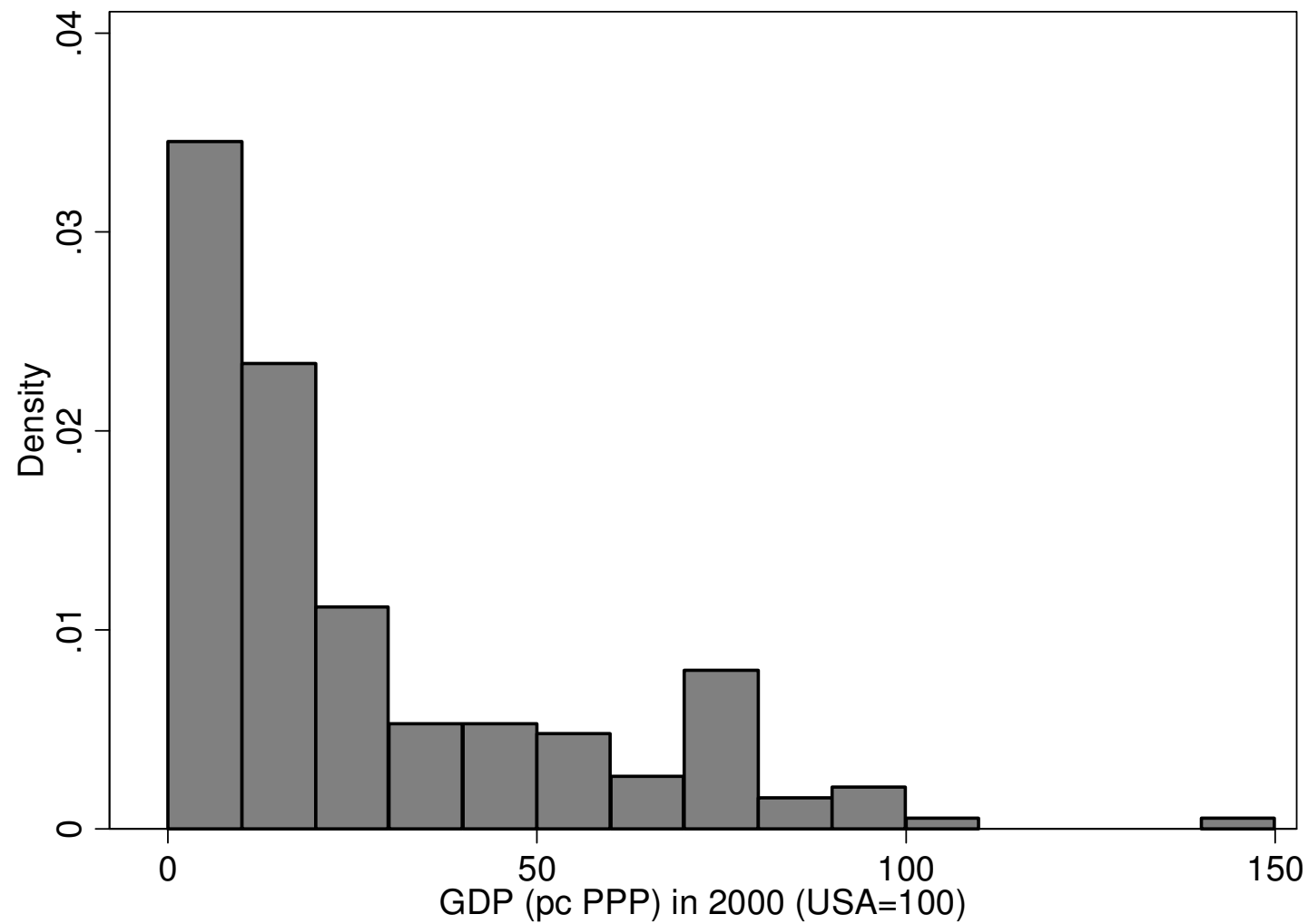
Growth in Africa ?

Logarithm of real GDP pc in 1990 international \$



Income discrepancies

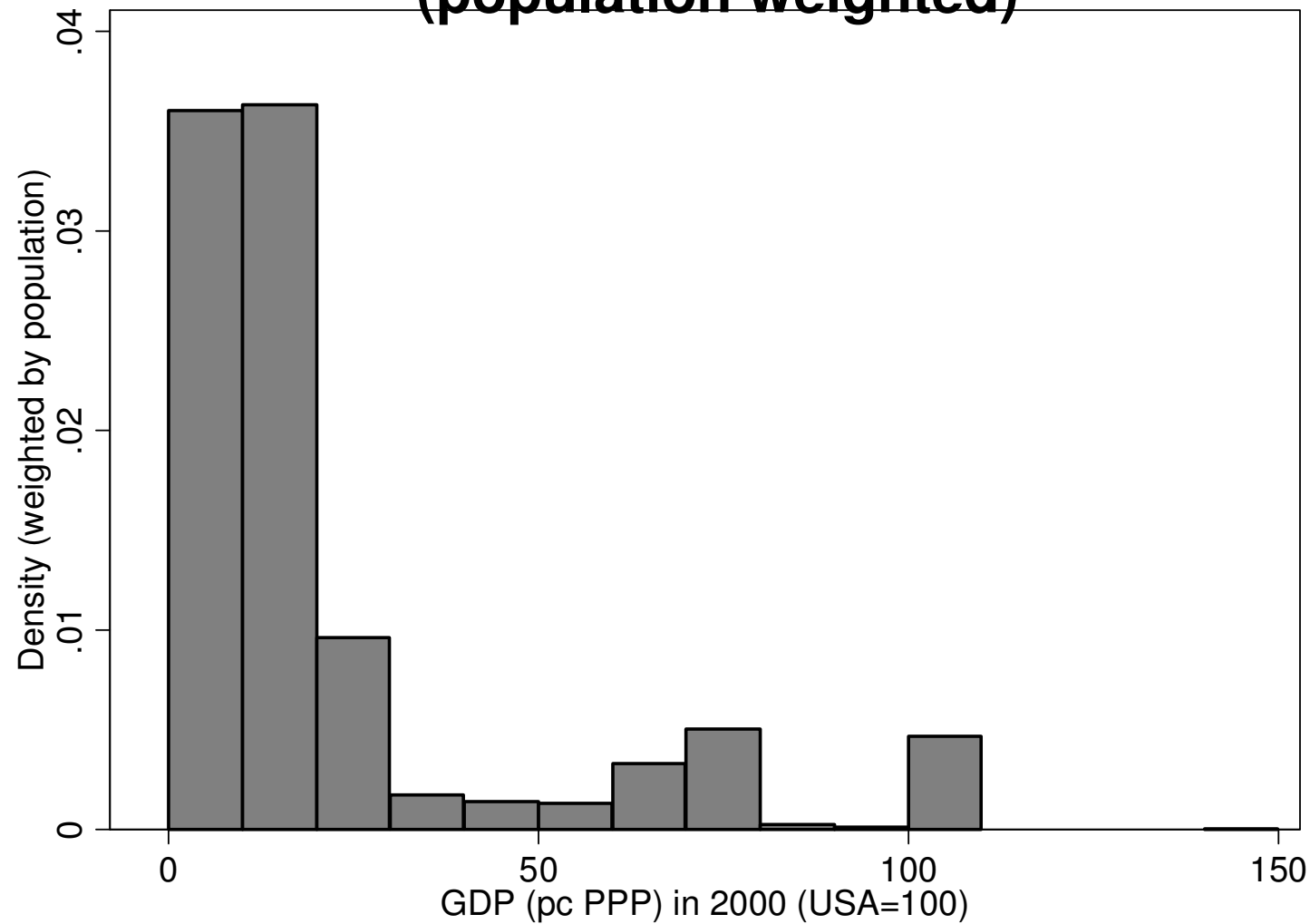
Density of GDP pc 2000 in intern. \$ as % of US



Source: Penn World Tables, 2008²³

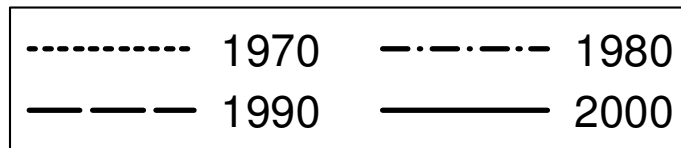
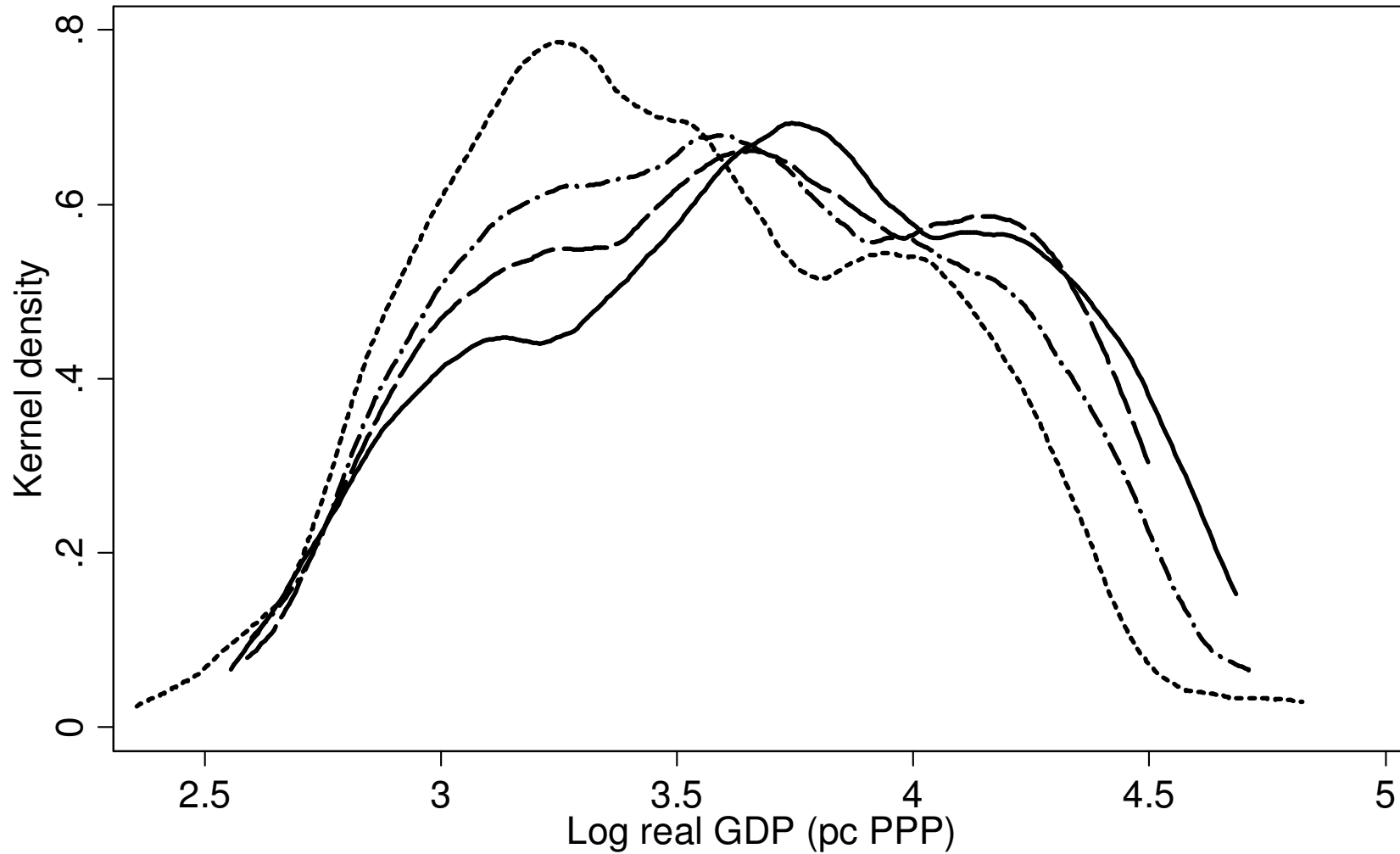
Income discrepancies

Density of GDP pc 2000 in intern. \$ as % of US (population weighted)



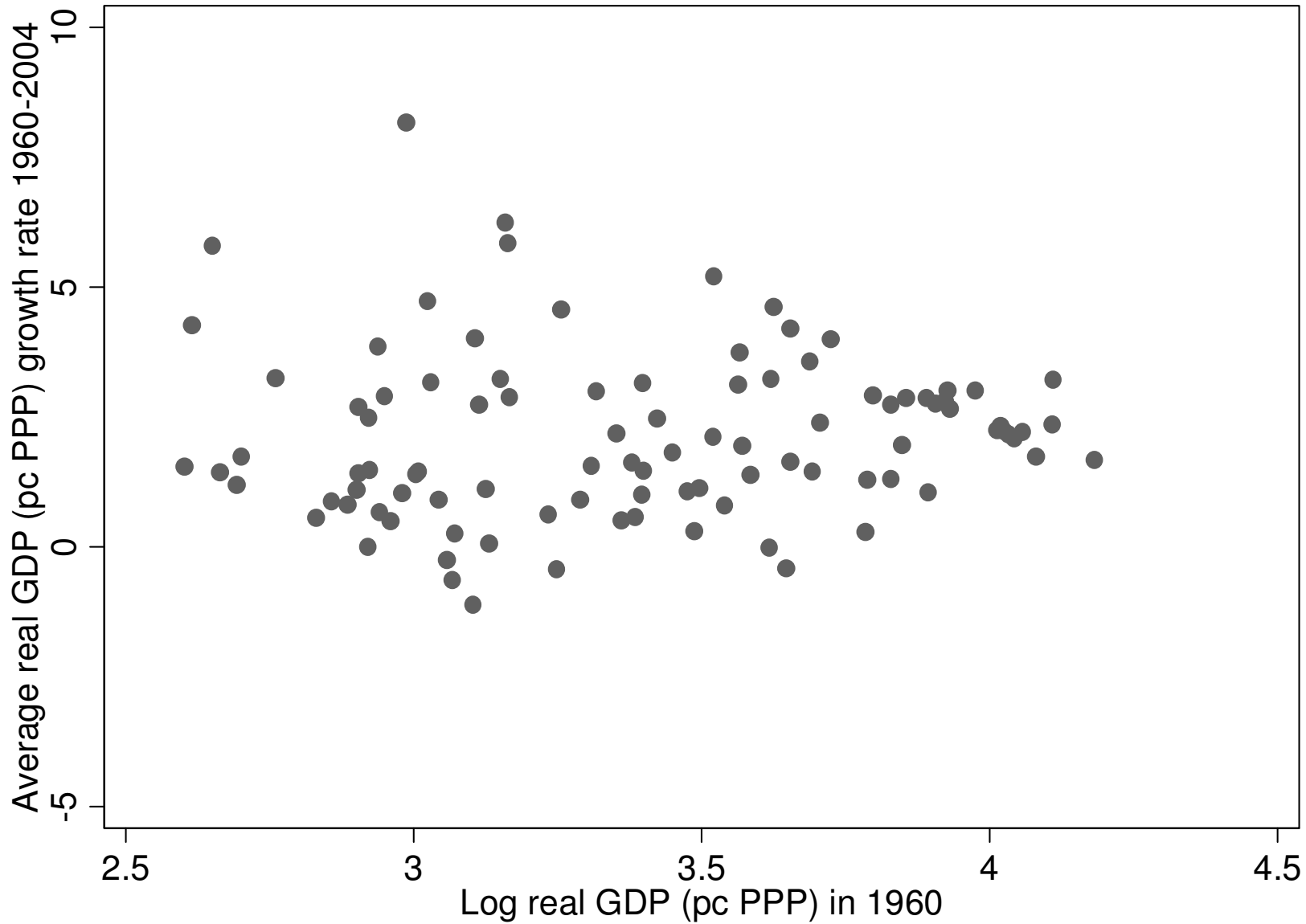
Source: Penn World Tables, 2008²⁴

Income discrepancies in time

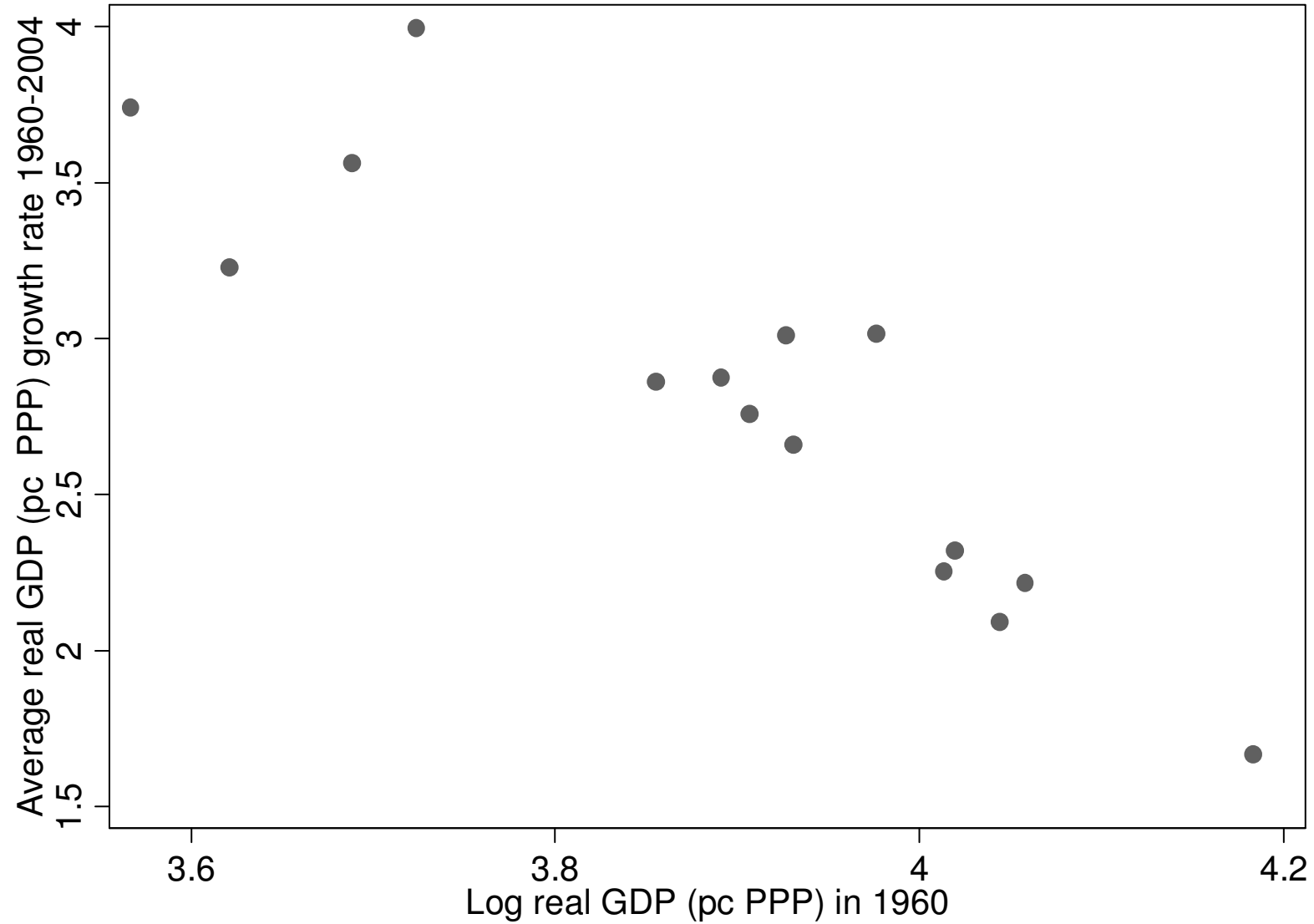


*Source: Penn
World Tables, 25
2008*

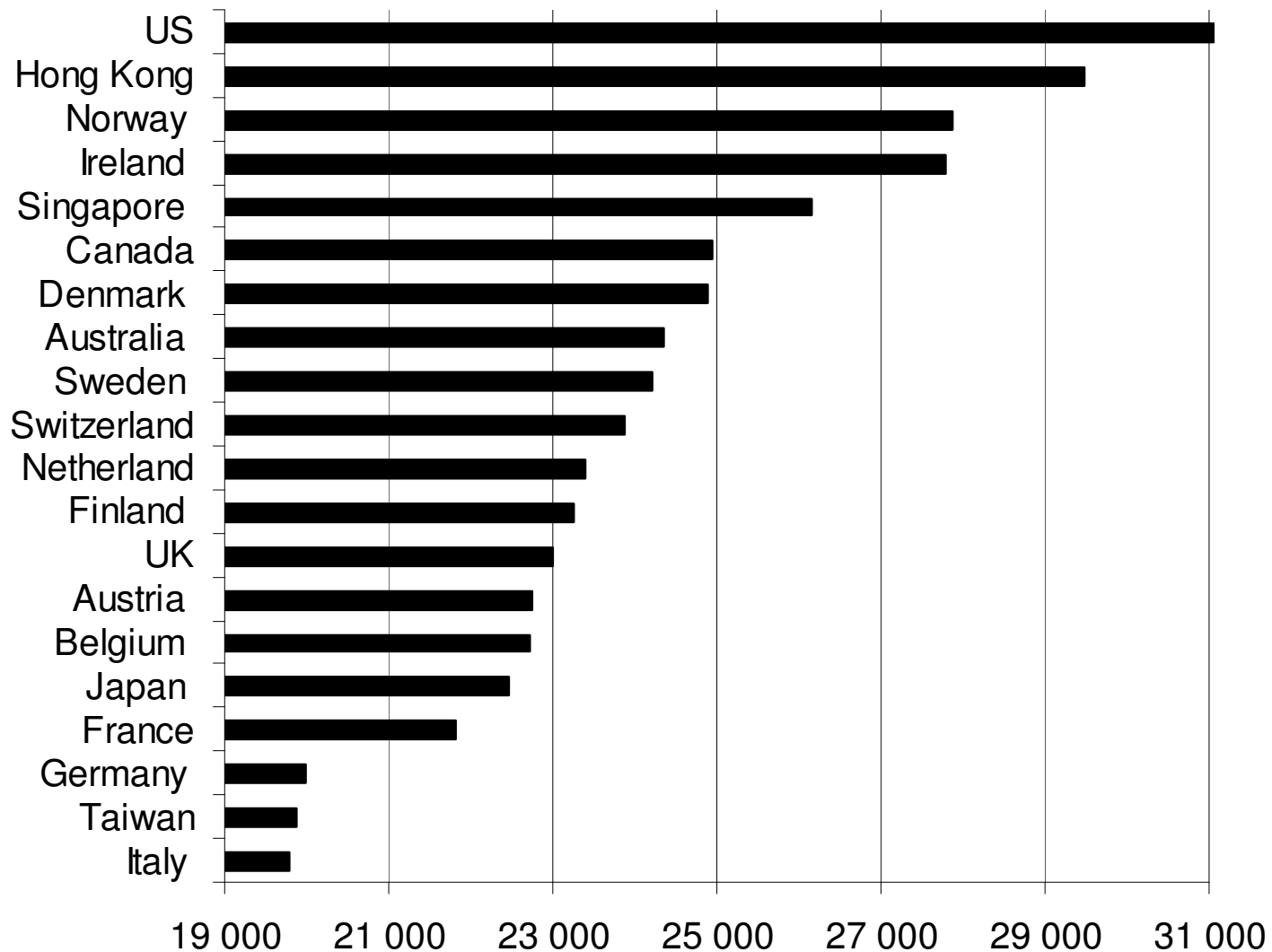
World convergence?



Western Europe convergence

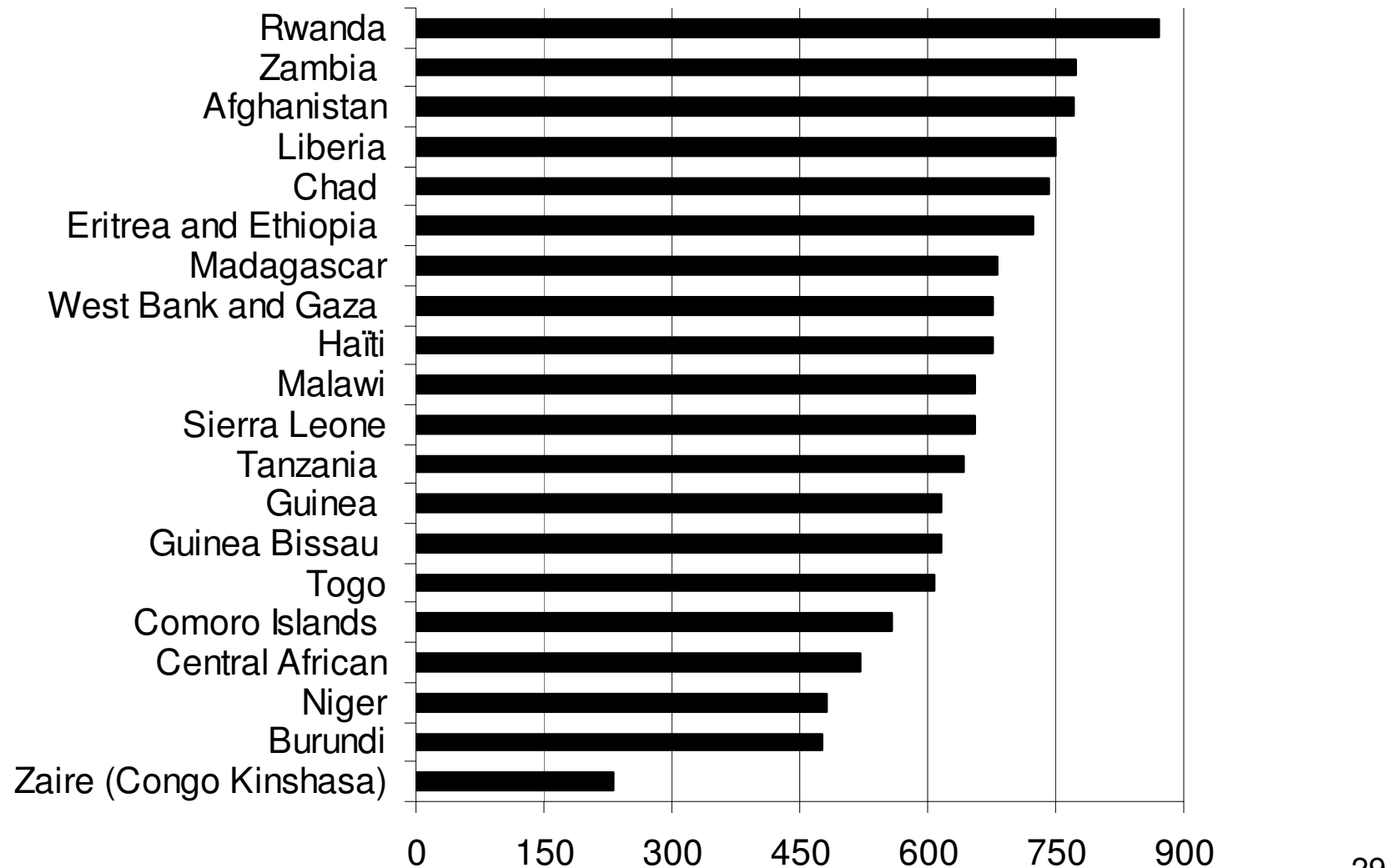


Top Twenty real GDPs per capita in 2006 (in 1990 international \$s)



Source: GGDC, Maddison, 2008

Bottom Twenty real GDPs per capita in 2006 (in 1990 international \$s)



Source: GGDC, Maddison, 2008