



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



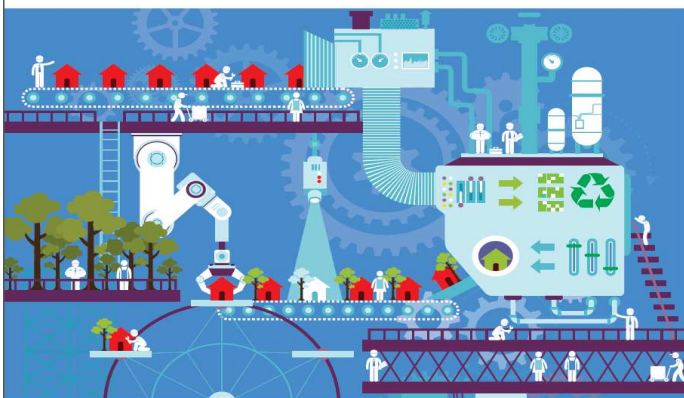


Industrial Development Report 2016

“Recent trends in the manufacturing industry”

Industrial Development Report 2016

The Role of Technology and Innovation in
Inclusive and Sustainable Industrial Development



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Tokyo

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Overview

- Trends in manufacturing value added
- Trends in manufacturing exports
- Trends in energy and resource intensity
- Trends in Industrial Competitive Performance



Figure 7.1
World manufacturing value added, by country group and worldwide, 1990–2014

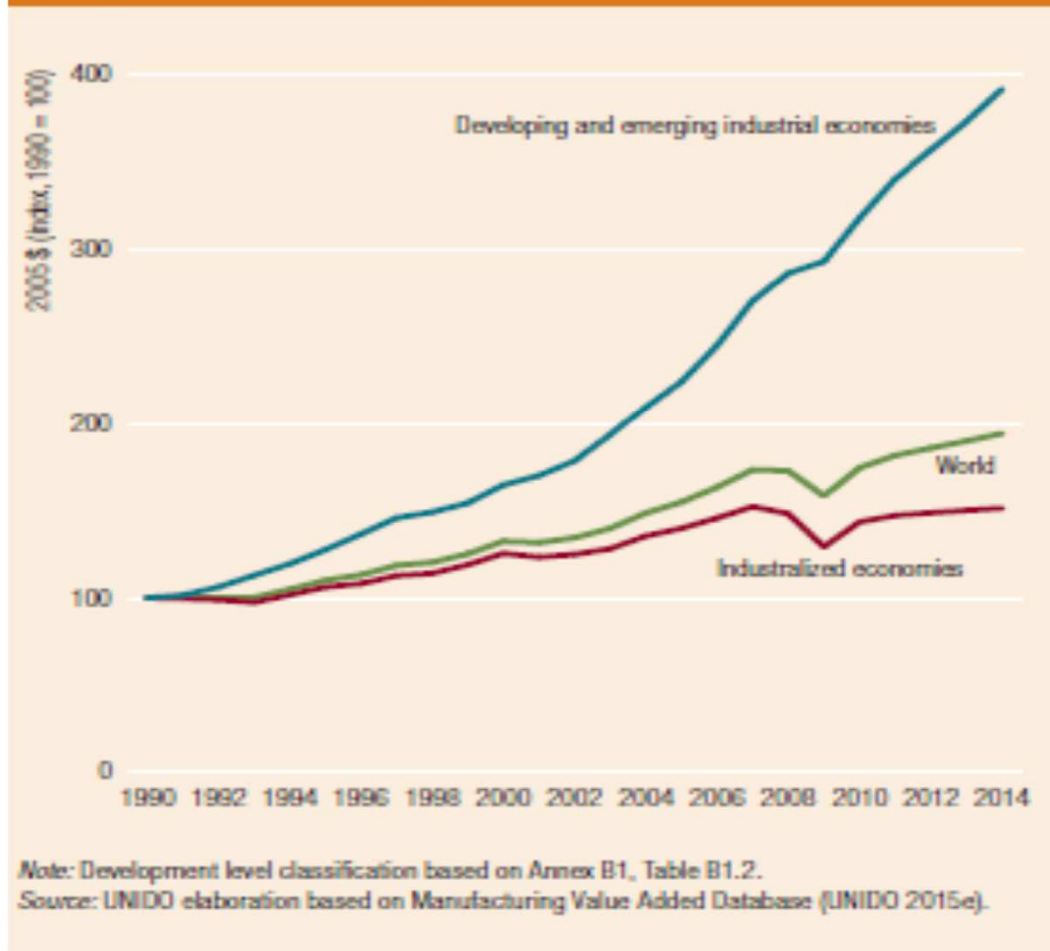




Table 7.5

Technology composition of manufacturing value added, by development group, region and income, 1990, 2000, 2010 and 2013

	1990			2000			2010			2013		
	Resource based	Low tech	Medium and high tech	Resource based	Low tech	Medium and high tech	Resource based	Low tech	Medium and high tech	Resource based	Low tech	Medium and high tech
World	33.0	22.5	44.6	32.0	24.0	44.1	28.1	26.0	46.0	28.0	25.3	46.7
Industrialized countries	32.0	21.8	46.3	29.0	22.1	49.0	25.7	23.3	51.1	25.7	24.2	50.1
Developing and emerging industrial economies	39.5	26.9	33.6	45.5	30.3	24.2	31.6	30.0	38.6	36.6	29.4	34.0
<i>By development group</i>												
Emerging industrial countries	38.3	26.5	35.3	36.2	27.4	36.5	31.0	29.6	39.5	36.0	28.4	35.5
Least developed countries	71.5	12.1	16.4	71.1	14.2	14.7	67.5	24.1	8.4	66.8	24.3	8.9
Other developing countries	47.8	31.9	20.4	55.6	33.4	11.0	39.8	31.4	29.0	35.7	34.4	29.8



Table 7.6

World exports by product category, 2005–2013

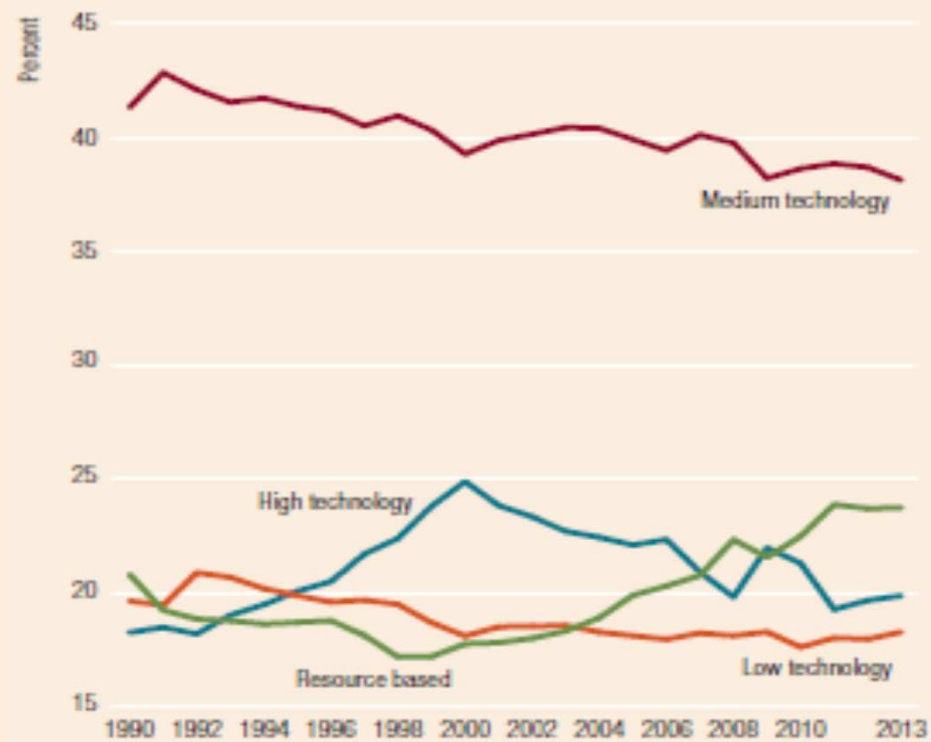
Category	Exports (billions, current \$)									Average growth rate 2005–2013 (percent)
	2005	2006	2007	2008	2009	2010	2011	2012	2013	
Manufacturing	8,130	9,367	10,772	12,050	9,421	11,409	13,422	13,363	13,866	6.9
Primary	1,146	1,411	1,543	2,197	1,422	1,939	2,511	2,442	2,620	10.9
Other	102	137	163	193	141	185	224	214	196	8.5
Total trade	9,378	10,915	12,478	14,440	10,984	13,533	16,157	16,018	16,682	7.5

Note: Product category classification based on ISIC Rev. 3, ITC (2015).

Source: UNIDO elaboration based on United Nations Comtrade database (UNSD 2015a).



Figure 7.10
Technology composition of manufactured exports, worldwide, 1990–2013



Note: Tech classification based on Annex B5, Table B5.1.

Source: UNIDO elaboration based on United Nations Comtrade database (UNSD 2015a).

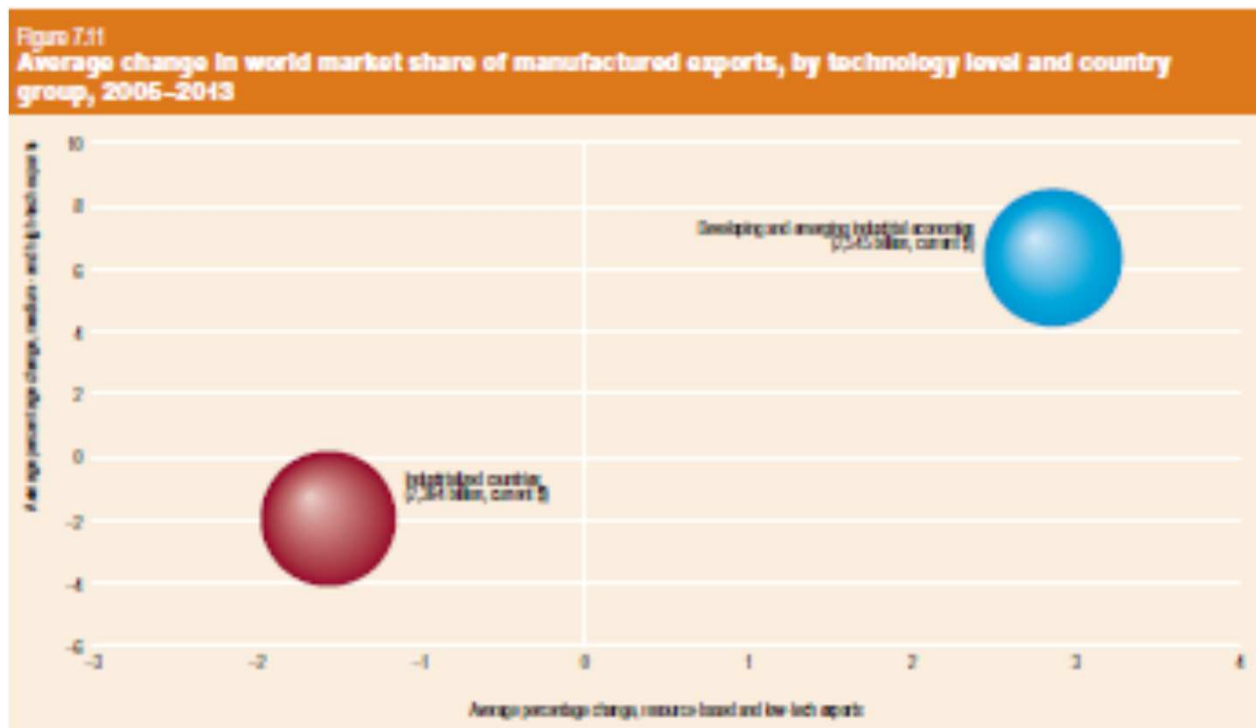
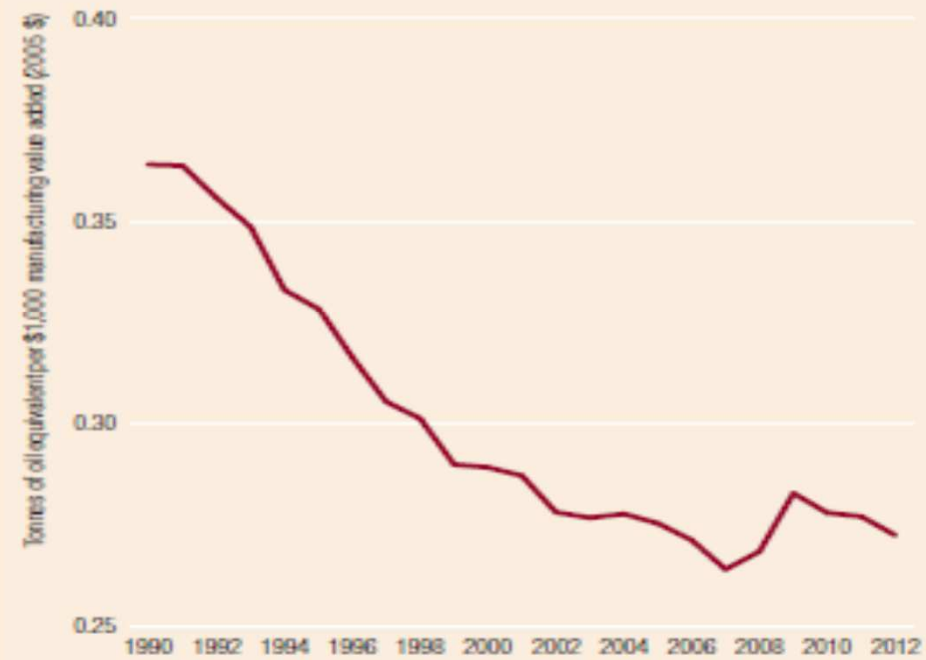




Figure 7.25
**World manufacturing energy intensity,
1990–2012**



Source: UNIDO elaboration based on IEA Energy Flow Charts (IEA 2013) and Manufacturing Value Added Database (UNIDO 2015e).



Figure 7.21
Resource efficiency in manufacturing,
1995–2011



Source: UNIDO elaboration based on World Input-Output Database (Timmer and others 2015).



Competitiveness Industrial Performance Index

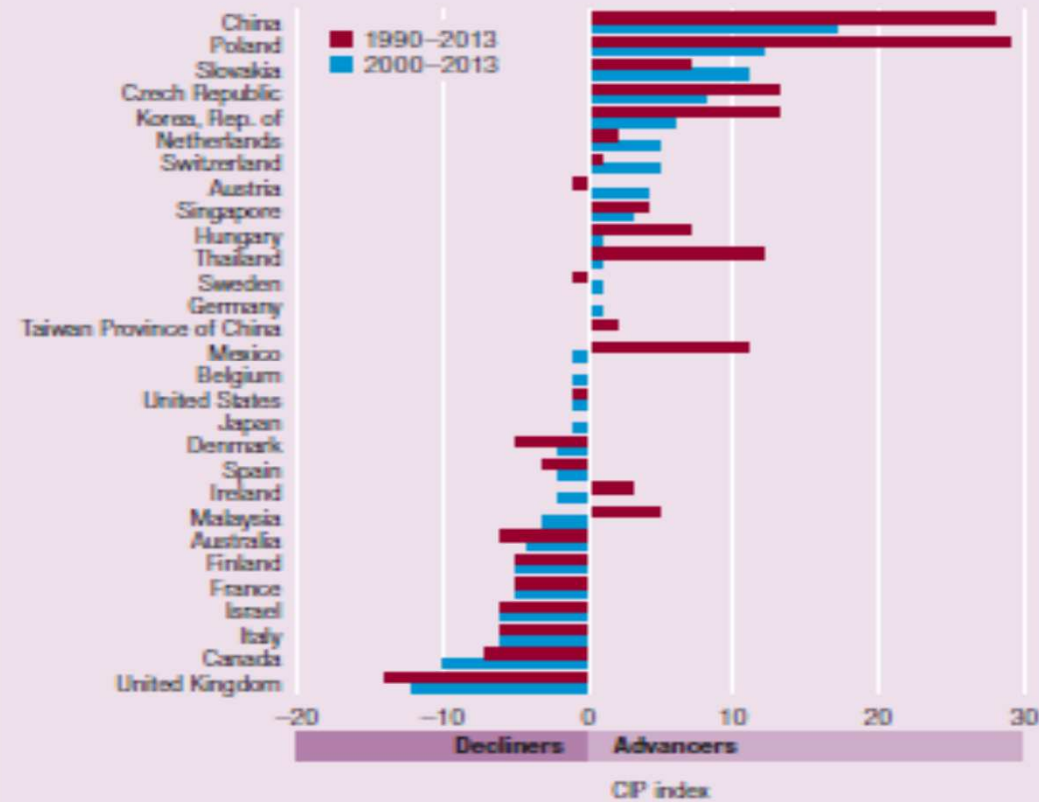


CIP dimensions and indicators

Dimensions	Industry Indicators	Trade Indicators	Description
Capacity	MVA per capita	Manufacturing exports per capita	Ability to produce/export
Impact	Share of world MVA	Share of world manufacturing exports	Relative performance
Structural Change	Share of MVA in GDP	Share of Mnf Exp in Total Exp	Structure of Industry
Industrial Deepening	Share of medium- and high tech (MHT) activities in MVA	Share of medium- and high tech (MHT) Exp in total Mnf Exp	



Figure 8.4
Changes in the CIP index for countries in the top quintile, from 1990 to 2013 and from 2000 to 2013



Source: UNIDO elaboration based on Competitive Industrial Performance index database (UNIDO 2015a).



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MANY THANKS