# **Technical notes**

Regions				
North America				
Bermuda	Canada*	Mexico*	United States of America*	
Other territories in the req	gion not elsewhere specified	(n.e.s.)		
South and Central	America and the Ca	ribbean		
Antigua and Barbuda*	Brazil*	Ecuador*	Jamaica*	Saint Lucia*
Argentina*	Chile*	El Salvador*	Netherlands Antilles	Saint Vincent and the Grenadines*
Bahamas**	Colombia*	Grenada*	Nicaragua*	Suriname*
Barbados*	Costa Rica*	Guatemala*	Panama*	Trinidad and Tobago*
Belize*	Cuba*	Guyana*	Paraguay*	Uruguay*
Bolivia*	Dominica*	Haiti*	Peru*	
Bolivarian Rep. of Venezuela*	Dominican Republic*	Honduras*	Saint Kitts and Nevis*	
Other territories in the reg	gion n.e.s.			
Europe				
Andorra**	Denmark*	lceland*	Montenegro**	Slovenia*
Austria*	Estonia*	Ireland*	Netherlands*	Spain*
Belgium*	Finland*	Italy*	Norway*	Sweden*
Bosnia and Herzegovina**	France*	Latvia*	Poland*	Switzerland*
Bulgaria*	FYR Macedonia*	Liechtenstein*	Portugal*	Turkey*
Croatia*	Germany*	Lithuania*	Romania*	United Kingdom*
Cyprus*	Greece*		Serbia**	Offited Kingdom
		Luxembourg*  Malta*		
Czech Republic*	Hungary*	Marta	Slovak Republic*	
Other territories in the rec		(010) 2		
	Independent States			
Armenia*	Georgia a	Moldova*	Turkmenistan	
Azerbaijan**	Kazakhstan**	Russian Federation**	Ukraine*	
Belarus**	Kyrgyz Republic*	Tajikistan**	Uzbekistan**	
Other territories in the reg	gion n.e.s.			
Africa				
Algeria**	Congo*	Guinea*	Morocco*	South Africa*
Angola*	Congo, Dem. Rep. of*	Guinea-Bissau*	Mozambique*	Sudan**
Benin*	Côte d'Ivoire*	Kenya*	Namibia*	Swaziland*
Botswana*	Djibouti*	Lesotho*	Niger*	Tanzania*
Burkina Faso*	Egypt*	Liberia**	Nigeria*	Togo*
Burundi*	Equatorial Guinea**	Libyan Arab Jamahiriya**	Rwanda*	Tunisia*
Cameroon*	Eritrea	Madagascar*	São Tomé and Príncipe**	Uganda*
Cape Verde*	Ethiopia**	Malawi*	Senegal*	Zambia*
Central African Republic*	Gabon*	Mali*	Seychelles**	Zimbabwe*
Chad*	Gambia*	Mauritania*	Sierra Leone*	
Comoros**	Ghana*	Mauritius*	Somalia	
Other territories in the req	gion n.e.s.			
Middle East				
Bahrain*	Israel*	Lebanon**	Saudi Arabia*	Yemen**
Iran, Islamic Rep. of**	Jordan*	Oman*	Syrian Arab Republic**	
Iraq**	Kuwait*	Qatar*	United Arab Emirates*	
Other territories in the reg	gion n.e.s.			
Asia				
	11 1/ 01: *	Malaysia*	Papua New Guinea*	Tonga*
Afghanistan**	Hong Kong, China"	IVIAIAVSIA		
Afghanistan** Australia*	Hong Kong, China*	· · · · · · · · · · · · · · · · · · ·		
Afghanistan** Australia* Bangladesh*	India* Indonesia*	Maldives*  Mongolia*	Philippines* Samoa**	Tuvalu Vanuatu**

<sup>\*</sup> WTO members

<sup>\*\*</sup> Observer governments

<sup>&</sup>lt;sup>a</sup> Georgia is not a member of the Commonwealth of Independent States but is included in this group for reasons of geography and similarities in economic structure.

Regions <b>Asia</b> (cont'd)				
Brunei Darussalam*	Kiribati	Nepal*	Solomon Islands*	
Cambodia*	Korea, Republic of*	New Zealand*	Sri Lanka*	
China*	Lao People's Dem. Rep.**	Pakistan*	Taipei, Chinese*	
Fiji*	Macao, China*	Palau	Thailand*	
Other territories in the re				
Other Groups				
	bbean and Pacific co	intries)		
Angola	Côte d'Ivoire	Haiti	Niger	South Africa
Antigua and Barbuda	Cuba	Jamaica	Nigeria	Sudan
Bahamas	Djibouti	Kenya	Niue	Suriname
Barbados	Dominica	Kiribati	Palau	Swaziland
Belize	Dominican Republic	Lesotho	Papua New Guinea	Timor Leste
Benin Benin	Equatorial Guinea	Liberia	Rwanda	Togo
Botswana	Eritrea	Madagascar	Saint Kitts and Nevis	Tonga
Burkina Faso	Ethiopia	Malawi	Saint Lucia	Trinidad and Tobago
Burundi	Fiji	Mali	Saint Lucia Saint Vincent and the	Tuvalu
Jarana	, ili	iviali	Grenadines	ιυναιυ
Cameroon	Gabon	Marshall Islands	Samoa	Uganda
Central African	Gambia	Mauritania	São Tomé and Príncipe	United Republic of
Republic				Tanzania
Chad	Ghana	Mauritius	Senegal	Vanuatu
Comoros	Grenada	Micronesia	Seychelles	Zambia
Congo	Guinea	Mozambique	Sierra Leone	Zimbabwe
Congo, Dem. Rep. of	Guinea-Bissau	Namibia	Solomon Islands	
Cook Islands	Guyana	Nauru	Somalia	
Africa				
North Africa				
Algeria	Egypt	Libyan Arab Jamahiriya	Morocco	Tunisia
Sub-Saharan Africa	071			
Western Africa				
Benin	Gambia	Guinea-Bissau	Mauritania	Senegal
Burkina Faso	Ghana	Liberia	Niger	Sierra Leone
Cape Verde	Guinea	Mali	Nigeria	Togo
Côte d'Ivoire				
Central Africa				
Burundi	Central African Republic	Congo	Equatorial Guinea	Rwanda
Cameroon	Chad	Congo, Dem. Rep. of	Gabon	São Tomé and Príncip
Eastern Africa		<u> </u>		
Comoros	Ethiopia	Mauritius	Somalia	Tanzania
Djibouti	Kenya	Seychelles	Sudan	Uganda
Eritrea	Madagascar			
Southern Africa	J			
Angola	Lesotho	Mozambique	South Africa	Zambia
Botswana	Malawi	Namibia	Swaziland	Zimbabwe
Territories in Africa not e				
Asia	<u> </u>			
East Asia (including Ocea	ania):			
Australia	Indonesia	Malaysia	Samoa	Tuvalu
Brunei Darussalam	Japan	Mongolia	Singapore	Vanuatu
Cambodia	Kiribati	Myanmar	Solomon Islands	Vanuatu Viet Nam
Cambodia China	Kiribati Korea, Rep. of	New Zealand	Taipei, Chinese	VICLINAIII
	· · · · · · · · · · · · · · · · · · ·	Papua New Guinea	Thailand	
Fiji Hong Kong China	Lao People's Dem. Rep.			
Hong Kong, China	Macao, China	Philippines	Tonga	
West Asia:	Bhutan	Maldives	Pakistan	Sri Lanka
Afghanistan				

LDCs (Least-devel	loped countries)			
Afghanistan	Comoros	Kiribati	Myanmar	Sudan
Angola	Congo, Dem. Rep. of	Lao People's Dem. Rep.	Nepal	Timor Leste
Bangladesh	Djibouti	Lesotho	Niger	Togo
Benin .	Equatorial Guinea	Liberia	Rwanda	Tuvalu
3hutan	Eritrea	Madagascar	Samoa	Uganda
Burkina Faso	Ethiopia	Malawi	São Tomé and Príncipe	United Republic of Tanzania
Burundi	Gambia	Maldives	Senegal	Vanuatu
Cambodia	Guinea	Mali	Sierra Leone	Yemen
Central African Republic	Guinea-Bissau	Mauritania	Solomon Islands	Zambia
Chad	Haiti	Mozambique	Somalia	
Regional Integratior	n Agreements			
Andean Communi	ty (CAN)			
Bolivia	Colombia	Ecuador	Peru	
ASEAN (Associati	on of South East Asia	n Nations) / AFTA (A	SEAN Free Trade Are	ea)
Brunei Darussalam	Indonesia	Malaysia	Philippines	Thailand
Cambodia	Lao People's Dem. Rep.	Myanmar	Singapore	Viet Nam
CACM (Central Am	nerican Common Mar	ket)		
Costa Rica	El Salvador	Guatemala	Honduras	Nicaragua
CARICOM (Caribb	ean Community and (	Common Market)		
Antigua and Barbuda	Belize	Guyana	Montserrat	Saint Vincent and the
Bahamas	Dominica	Haiti	Saint Kitts and Nevis	Suriname
Barbados	Grenada	Jamaica	Saint Lucia	Trinidad and Tobago
CEMAC (Economic	c and Monetary Comr	nunity of Central Afric	ra)	
Cameroon	Chad	Congo	Equatorial Guinea	Gabon
Central African Republic	Onau	Congo	Equatorial Guillea	Gabon
<u> </u>	n Market for Eastern	and Southern Africa)		
Burundi		Libyan Arab Jamahiriya	Rwanda	Llaanda
Comoros	Egypt Eritrea	Madagascar	Seychelles	Uganda Zambia
Congo, Dem. Rep. of	Ethiopia	Malawi	Sudan	Zimbabwe
Djibouti	Kenya	Mauritius	Swaziland	Ziiiibabwc
	Community of Centr		OWAZNANA	
Angola	Central African Republic	Congo, Dem. Rep. of	Gabon	São Tomé and Prínci
Rurundi	Chad	Equatorial Guinea	Rwanda	Sao Tollie alid I Tillel
Cameroon	Congo	Equatorial Guillea	Nwanua	
	nic Community of Wes	et African States)		
Benin	Côte d'Ivoire	Guinea	Mali	Canagal
Burkina Faso	Gambia	Guinea Bissau	Niger	Senegal Sierra Leone
Cape Verde	Ghana	Liberia	Nigeria	
<u> </u>	ree Trade Association		INIGERIA	Togo
			Conitational	
celand	Liechtenstein	Norway	Switzerland	
European Union (2				
Austria	Estonia	Ireland	Netherlands	Spain
Belgium	Finland	Italy	Poland	Sweden
Bulgaria	France	Latvia	Portugal	United Kingdom
Cyprus	Germany	Lithuania	Romania	
Czech Republic	Greece	Luxembourg	Slovak Republic	
Denmark	Hungary	Malta	Slovenia	
GCC (Gulf Cooper	· · · · · · · · · · · · · · · · · · ·			
Bahrain	Oman	Qatar	Saudi Arabia	United Arab Emirates
Kuwait		-		
MERCOSUR (Sout	hern Common Marke	t)		
Argentina	Brazil	Paraguay	Uruguay	
NAFTA (North Am	erican Free Trade Agr	eement)		
Canada	Mexico	United States		
SAPTA (South Asi	an Preferential Trade	Arrangement)		
Bangladesh	India	Nepal	Pakistan	Sri Lanka

Regional Integration		conomic groupings (	cont'd)	
Angola	Lesotho	Mauritius	South Africa	Zambia
Botswana	Madagascar	Mozambique	Swaziland	Zimbabwe
Congo, Dem. Rep. of	Malawi	Namibia	United Republic of Tanzania	
WAEMU (West African Economic and Monetary Union)				
Benin	Côte d'Ivoire	Mali	Senegal	Togo
Burkina Faso	Guinea-Bissau	Niger		

WTO members are frequently referred to as "countries", although some members are not countries in the usual sense of the word but are officially "customs territories". The definition of geographical and other groupings in this report does not imply an expression of opinion by the Secretariat concerning the status of any country or territory, the delimitation of its frontiers, nor the rights and obligations of any WTO member in respect of WTO agreements. The colours, boundaries, denominations and classifications in the maps of the publication do not imply, on the part of the WTO, any judgement on the legal or other status of any territory, or any endorsement or acceptance of any boundary.

Throughout this report, South and Central America and the Caribbean is referred to as South and Central America. The Bolivarian Republic of Venezuela; Hong Kong Special Administrative Region of China; the Republic of Korea; and the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu are referenced as Bolivarian Rep. of Venezuela; Hong Kong, China; Korea, Republic of; and Taipei, Chinese respectively.

## **Glossary**

**Autarky**: The situation of not engaging in international trade; self-sufficiency.

**Comparative advantage:** The ability to produce a good at lower cost, relative to other goods, compared to another country. In a Ricardian model, comparison is of unit labour requirements; more generally it is of relative autarky prices.

**Correlation**: A measure of the extent to which two economic or statistical variables move together, normalized so that their values range from -1 to +1. The correlation is used in trade theory to express weak relationships among economic variables.

**Demand Shock**: A shock on the demand side of a market. Thus an unexpected shift, up or down, in the demand curve.

Economies of scale: See increasing returns to scale.

**Elasticity**: A measure of responsiveness of one economic variable to another – usually the responsiveness of quantity to price along a supply or demand curve.

**Exchange rate**: The price at which one country's currency trades for another, typically on the exchange market.

**Externality**: An effect of one economic agent's actions on another which is not transmitted through prices, such that one agent's decisions make another better or worse off by changing their utility or cost. Beneficial effects are positive externalities; harmful ones are negative externalities. In the presence of externalities, market prices do not reflect the full cost or benefit of producing or consuming a good.

**Factor of production**: An input that exists as a stock providing services that contribute to production. The stock is not used up in production, although it may deteriorate with use, providing a smaller flow of services later. The major primary factors are labor, capital, human capital (or skilled labour), land, and sometimes natural resources.

**Expectation** (or expected value): Anticipation of the value of a random variable in future time periods. The mathematical expected value of a random variable equals the sum of the values that are possible for it, each multiplied by its probability.

Hedge: To offset risk.

Increasing/decreasing returns to scale: A property of a production function such that changing all inputs by the same proportion changes output more/less than in proportion. Under increasing returns to scale (also called economies of scale) average costs decrease as output increases. Economies of scale tend to occur in industries with high capital costs in which those costs can be distributed across a large number of units of production.

**Inter-industry trade**: Trade in which a country's exports and imports are in different industries.

**Intra-industry trade**: Trade in which a country exports and imports in the same industry, in contrast to inter-industry trade.

**Learning by doing:** Refers to the improvement in technology or know-how that takes place in some industries, early in their history, as they learn by experience, so that average cost falls as accumulated output rises.

**Marginal cost**: The increase in cost that accompanies a unit increase in output; the partial derivative of the cost function with respect to output.

Marginal revenue: The amount by which a firm's revenue increases when it expands output by one unit, taking into account that to sell one more unit it may need to reduce price on all units.

**Monopoly**: A market structure in which there is a single seller.

**Monopsony**: A market structure in which there is a single buyer.

**Oligopoly**: A market structure in which there are a small number of sellers, at least some of whose individual decisions about price or quantity matter to the others.

**Perfect competition**: An idealized market structure in which there are large numbers of both buyers and sellers, all of them small, so that they act as price takers. Perfect competition also assumes homogeneous products, free entry and exit, and complete information.

**Property rights**: The legally defined and enforced rules of ownership, specifying who has the right to buy, sell, and use anything.

**Rate of return**: The percentage of an asset's value that the owner of the asset earns, usually per year.

**Real exchange rate**: 1. The nominal exchange rate adjusted for inflation. 2. The real price of foreign goods; i.e., the quantity of domestic goods needed to purchase a unit of foreign goods. Equals the reciprocal of the terms of trade. 3. The relative price of traded goods in terms of non-traded goods.

**Relative price**: The price of one good in terms of another; i.e., the ratio of two prices.

**Rent**: The premium that the owner of a resource receives over and above its opportunity cost.

**Rent-seeking**: The using up of real resources in an effort to secure the rights to rents that arise from government policies.

**Speculation**: The purchase or sale of an asset (or acquisition otherwise of an open position) in hopes that its price will rise or fall respectively, in order to make a profit.

**Supply chain**: The sequence of steps, often done in different firms and/or locations, needed to produce a final good from primary factors, starting with processing of raw materials, continuing with production of perhaps a series of intermediate inputs, and ending with final assembly and distribution.

**Supply shock**: A shock on the supply side of a market. Thus an unexpected shift, up or down, in the supply curve.

**Terms of trade**: The relative price, on world markets, of a country's exports compared to its imports.

**Vertical integration**: Production of different stages of processing of a product within the same firm.

 The glossary definitions are largely attributed to Deardorff's Glossary of International Economics, available online at http:// www-personal.umich.edu/~alandear/glossary/.

## Abbreviations and symbols

AC alternating current

ASEAN Association of Southeast Asian Nations

BITs bilateral investment treaties
BTU British thermal unit

CAREC Central Asian Regional Economic Cooperation
CECA Comprehensive Economic Cooperation Agreement

CEQ Council on Environmental Quality
CFP Common Fisheries Policy

CIS Commonwealth of Independent States

CITES Convention on International Trade in Endangered Species of Wild Fauna and Flora

CO2 carbon dioxide
CPI Consumer Price Index
CRRA constant relative risk aversion
CTS Council for Trade in Services

DC direct current

DWFN distant waters fishing nation

dwt deadweight tonne

EAEC Eurasian Economic Community
ECT Energy Charter Treaty
EEZ Exclusive Economic Zone

EITI Extractive Industries Transparency Initiative

EKC environmental Kuznets curve
EMH Efficient Market Hypothesis

EU European Union

FAO Food and Agriculture Organization

FDI foreign direct investment FTAs free trade agreements

GATS General Agreement on Trade in Services
GATT General Agreement on Tariffs and Trade

GDP gross domestic product
GEF Global Environment Fund
GFTs government financial transfers

GL index Grubel-Lloyd index

GPA Agreement on Government Procurement

HS Harmonized System

ICA international commodity agreement

IDBIntegrated DatabaseIEAInternational Energy AgencyIMFInternational Monetary FundITQsindividual transferable quotas

ITTA International Tropical Timber Agreement

kt kilotonne

LNG liquified natural gas LPG liquified petroleum gas

m³ cubic metre

MEA multilateral environmental agreement

MERCOSUR Southern Common Market MFN most-favoured nation

MoU Memorandum of Understanding
NAFTA North American Free Trade Agreement
NRBPs natural resource-based products

NTM non-tariff measure

NYMEX New York Mercantile Exchange

OECD Organization for Economic Co-operation and Development
OPEC Organization of the Petroleum Exporting Countries

OTC over-the-counter

PPMs process and production methods
PTAs Preferential trade agreements
R&D research and development

RFMOs Regional Fisheries Management Organisations

SAFEX South African Futures Exchange SCMs Subsidies and Countervailing Measures

TAC total allowable catch
TBT Technical Barriers to Trade

TIFA Trade and Investment Framework Agreement

TJ terajoule ToP take-or-pay

#### WORLD TRADE REPORT 2010

TPR Trade Policy Review

TRIPS Trade-Related Aspects of Intellectual Property Rights

UK United Kingdom UN United Nations

UNCLOS United Nations Convention on the Law of the Sea
UNCTAD United Nations Conference on Trade and Development

UNEP United Nations Environment Programme

UNFCC United Nations Framework Convention on Climate Change

VMS vessel monitoring systems

The following symbols are used in this publication:

... not available

0 figure is zero or became zero due to rounding

not applicable\$ United States dollars

€ euro £ UK pound

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### **WTO** members

(As of end June 2010)

Albania Angola

Antigua and Barbuda

Argentina Armenia Australia

Austria Bahrain, Kingdom of Bangladesh Barbados Belgium Belize Benin Bolivia Botswana

Brunei Darussalam

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The 2009 Report examines the range and role of contingency measures available in trade agreements. One of the Report's main objectives is to analyse whether WTO provisions provide a balance between supplying governments with the necessary flexibility to face difficult economic situations and adequately defining these in a way that limits their use for protectionist purposes.

#### Trade in a Globalizing World

2008



The 2008 Report provides a reminder of what we know about the gains from international trade and highlights the challenges arising from higher levels of integration. It addresses the question of what constitutes globalization, what drives it, what benefits it brings, what challenges it poses and what role trade plays in this world of ever-growing inter-dependency.

#### Sixty Years of the Multilateral Trading System : Achievements and Challenges

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On 1 January 2008 the multilateral trading system celebrated its 60th anniversary. The World Trade Report 2007 celebrates this landmark anniversary with an in-depth look at the General Agreement on Tariffs and Trade (GATT) and its successor the World Trade Organization — their origins, achievements, the challenges they have faced and what the future holds.

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The World Trade Report 2006 focuses on how subsidies are defined, what economic theory can tell us about subsidies, why governments use subsidies, the most prominent sectors in which subsidies are applied and the role of the WTO Agreement in regulating subsidies in international trade. The Report also provides brief analytical commentaries on certain topical trade issues.

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The World Trade Report 2005 seeks to shed light on the various functions and consequences of standards, focusing on the economics of standards in international trade, the institutional setting for standard-setting and conformity assessment, and the role of WTO agreements in reconciling the legitimate policy uses of standards with an open, non-discriminatory trading system.

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The World Trade Report 2004 focuses on the notion of coherence in the analysis of interdependent policies: the interaction between trade and macroeconomic policy, the role of infrastructure in trade and economic development, domestic market structures, governance and institutions, and the role of international cooperation in promoting policy coherence.

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### **World Trade Report**

The World Trade Report 2010 focuses on trade in natural resources, such as fuels, forestry, mining and fisheries. The Report examines the characteristics of trade in natural resources, the policy choices available to governments and the role of international cooperation, particularly of the WTO, in the proper management of trade in this sector.

A key question is to what extent countries gain from open trade in natural resources. Some of the issues examined in the Report include the role of trade in providing access to natural resources, the effects of international trade on the sustainability of natural resources the environmental impact of resources trade, the so-called natural resources curse, and resource price volatility.

The Report examines a range of key measures employed in natural resource sectors, such as export taxes, tariffs and subsidies, and provides information on their current use. It analyses in detail the effects of these policy tools on an economy and on its trading partners.

Finally, the Report provides an overview of how natural resources fit within the legal framework of the WTO and discusses other international agreements that regulate trade in natural resources. A number of challenges are addressed, including the regulation of export policy, the treatment of subsidies, trade facilitation, and the relationship between WTO rules and other international agreements.

"I believe not only that there is room for mutually beneficial negotiating trade-offs that encompass natural resources trade, but also that a failure to address these issues could be a recipe for growing tension in international trade relations. Well designed trade rules are key to ensuring that trade is advantageous, but they are also necessary for the attainment of objectives such as environmental protection and the proper management of natural resources in a domestic setting."

Pascal Lamy, WTO Director-General

