

# Contents

Preface .....	iii
Acknowledgements .....	iv
Overview .....	v
Contents .....	xxi
Explanatory notes .....	xxvii
<b>I Global trends and challenges to sustainable development post-2015 .....</b>	<b>1</b>
A more challenging context for global development .....	1
Underlying global megatrends .....	2
A more integrated, but multipolar and heterogeneous global economy .....	3
A deeper globalization .....	3
Financial globalization and financialization .....	5
Convergence, but greater vulnerability and heterogeneity in the global economy .....	7
Persistent inequalities .....	9
Demographic changes .....	11
Environmental degradation .....	14
Threats to global ecosystems .....	16
A strong sustainability challenge? .....	18
Sustainable development in a more interdependent world .....	20
Mutually reinforcing trends and challenges .....	21
Strategies for sustainable development .....	21
<b>II Strategies for development and transformation .....</b>	<b>23</b>
Process tracks of implementation of Agenda 21 and its consequences .....	23
The impasse with regard to climate change mitigation .....	25
Worries regarding poverty eradication and other human development goals .....	26
Millennium Development Goals and Sustainable Development Goals .....	27
Means of achieving an integrated post-2015 agenda .....	28
Causes of the climate change mitigation impasse .....	28
Causes of human development concerns .....	28
Towards reintegration of human development and environment protection goals .....	30
Strategies for transformation in developed countries .....	34
Role of technology in ensuring sustainability .....	34

Shifts in consumption patterns.....	34
Means of bringing about shifts in consumption patterns .....	36
Environmental accounting .....	36
Shifts in consumption and quality of life.....	37
Shifts in consumption patterns and the implications for employment and income.....	38
Sustainable development strategies in developing countries .....	41
A heterogeneous developing world.....	41
Further progress in achieving the current Millennium Development Goals .....	41
Human development through more equitable distribution post-2015 .....	42
Development in a more environmentally constrained post-2015 world.....	43
The South's initiatives towards sustainable development .....	44
Challenges of financing human and sustainable development .....	46
A new type of global cooperation .....	50
<b>III Towards sustainable cities.....</b>	<b>53</b>
Introduction .....	53
The city and main urbanization trends .....	54
The scale and scope of urbanization.....	54
Diverse paths and paces of urbanization .....	57
Changing patterns of urban settlements .....	58
Is there a twin path between urbanization and economic growth? .....	58
A framework for sustainable cities.....	60
The challenges associated with building sustainable cities .....	63
Socioeconomic inequalities .....	63
Sprawl and weakened capacities .....	66
Energy access.....	66
Common and differentiated impacts of natural hazards .....	67
Opportunities for building sustainable cities .....	68
An integrated and coordinated approach .....	69
Trade-offs between investments? .....	71
Learning by doing in building sustainable cities .....	73
Act locally with national support and global coordination .....	76
Financing sustainable cities .....	77
The scale and scope of needed finance .....	77
A policy framework for sustainable financing .....	78
Examples of financing strategies .....	78
Annex: Examples of plans and policies for building sustainable cities .....	80

<b>IV</b>	<b>Ensuring food and nutrition security .....</b>	<b>85</b>
	Introduction .....	85
	Multiple dimensions of malnutrition: undernourishment, micronutrient deficiencies and over-nutrition ....	87
	Under-nutrition .....	88
	Food insecurity persists .....	88
	Impacts of under-nutrition: undernourishment and micronutrient deficiencies .....	89
	Over-nutrition .....	91
	Obesity on the rise .....	91
	Impacts of over-nutrition .....	92
	Increasing food availability .....	93
	Increasing agricultural productivity .....	93
	Extension services .....	93
	Increasing investment in R&D .....	94
	Sustainable management of natural resources .....	97
	Current unsustainable practices .....	97
	Improving management of natural resources .....	100
	Investments in rural infrastructures .....	100
	Improving access to food .....	102
	Limited access to food .....	103
	Generating income in rural areas .....	104
	Improving agricultural income .....	104
	Non-farm economy .....	105
	Social security and safety nets .....	106
	Safety nets in the short term .....	106
	Social security in the long term .....	107
	A pro-food security international trade system .....	107
	The trade system .....	107
	Food security stocks and information transparency .....	108
	Diets and consumption patterns .....	109
	Sustainable diets .....	109
	Health and education policies to enhance nutrition security .....	110
	Health .....	111
	Information campaigns and educational programmes .....	111
	Consumption patterns: reducing waste .....	112
	Increasing financing for the agricultural sector .....	114
	The importance of increasing public investment in agriculture .....	114
	Incentives for private investment .....	116
	International support for agriculture .....	117

<b>V</b>	<b>The energy transformation challenge .....</b>	<b>121</b>
	Introduction .....	122
	The evidence for climate change and human-activity generated emissions.....	122
	The room for effective action is shrinking.....	123
	The many paths to a sustainable energy transformation .....	124
	The IPCC special report on renewables (2012) .....	125
	United Nations Environment Programme emissions gap report.....	125
	OECD Environmental Outlook to 2050.....	125
	Global Energy Assessment .....	127
	Sustainable energy with economic and social inclusion .....	128
	The challenge of transforming the energy system.....	132
	The technology challenge .....	132
	The investment challenge.....	136
	Implementing sustainable development.....	141
	Sustainable development pathways.....	141
	The enabling conditions for the transformation of the energy system.....	145
	Coherent national policies for sustainable development .....	145
	Sustainable energy systems in a global development agenda .....	157
	<b>Bibliography .....</b>	<b>159</b>