

Working towards sustainable development

Opportunities for decent work and social inclusion in a green economy



International Labour Organization



INTERNATIONAL
INSTITUTE FOR LABOUR STUDIES



ITUC CSI IGB



UNEP

Table of Contents

Executive summary	vii
Introduction	xxi
Chapter 1 Employment and income implications of a move to a green economy	1
Main findings	1
Introduction	2
A. Environmental sustainability and economic growth: Issues and considerations	2
B. Employment and social dimensions of climate change	6
References	16
Chapter 2 Agriculture	19
Main findings	19
Introduction	20
A. Technical and policy options for greening agriculture	21
B. Impacts of greening on employment and incomes in agriculture	24
C. Examples of good practices	28
D. Social and labour: Issues and challenges	30
E. Conclusions and way forward	32
References	33
Chapter 3 Forestry	37
Main findings	37

Introduction	38
A. Technical and policy options for greening the sector	39
B. Impacts on employment and incomes	41
C. Good social and labour practices in greening the sector	47
D. Social and labour: Challenges and issues	52
E. Conclusions and way forward	53
References	55
Chapter 4 Fisheries	61
Main findings	61
Introduction	62
A. Aligning fisheries with sustainable development	62
B. Impacts of greening on employment and incomes in fishing	65
C. Issues and challenges	68
D. Conclusions and way forward	70
References	71
Chapter 5 Energy	75
Main findings	75
Introduction	76
A. Energy: Greening of the sector	76
B. Impacts of greening on employment and incomes in the energy sector	77
C. Transition from conventional energy to renewable: Challenges and issues	86
D. Job quality, skills and transition	87
E. Conclusions and way forward	89
References	90
Chapter 6 Manufacturing	95
Main findings	95
Introduction	96
A. Opportunities: Greening of the sector and its industries	96
B. Impacts of greening on employment and incomes in manufacturing	98
C. Examples of good practices at sector and enterprise level	103
D. New skills and professional service requirements	105
E. Conclusions and way forward	106
References	107

Chapter 7 Recycling	111
Main findings.....	111
A. Greening recycling: benefits and policies	112
B. Impacts of greening on employment and incomes	114
C. Organization, inclusion and formalization	117
D. Challenges.....	120
E. Conclusions and way forward.....	121
References	123
Chapter 8 Buildings	127
Main findings.....	127
Introduction	128
A. Greening the building sector.....	128
B. Emerging policy instruments for green building	130
C. Impacts of greening on employment and quality of life.....	131
D. Conclusions and way forward.....	139
References.....	140
Chapter 9 Transportation	145
Main findings.....	145
Introduction	146
A. Greening of the sector and of enterprises.....	146
B. Impacts of greening on employment	147
C. Issues and challenges	155
D. Conclusions and way forward.....	156
References	158
Chapter 10 Policy measures to ensure decent work and social inclusion	163
Main findings.....	163
Introduction	164
A. Facilitating environmental change	164
B. Linking environment and labour through tax reforms.....	167
C. Labour market and education policies for a successful transition.....	172
D. Evidence of positive employment effects from green policies.....	175
E. Social dialogue will help ensure a successful transformation	179
References	183