Contents

Foreword 3
Acknowledgements 4
Glossary 11
Acronyms and abbreviations 11
Part A: Introduction: The Guide to the Guide 23
A.0.1. Why a Guide to statistics in European Commission development co-operation and who should read it 23
A.0.2. What is in the Guide 23
A.0.2.1. Statistics in Development 23
A.0.2.2. Support for Statistics 24
A.0.2.3. Statistics for Development Policies 24
A.0.3. How to read the Guide 25
A.0.4. How the Guide is developed 26
Part B: Statistics in Development 31
B.1. Statistics for development co-operation 31
B.1.1. Millennium Development Goals 31
B.1.2. National development strategies and the demand for statistics 31
B.1.2.1. National Development Strategies 31
B.1.2.2. National development strategies as a framework for policy 32
B.1.3. Managing for Development Results 34
B.1.3.1. Overview 34
B.1.3.2. Principles of Managing for Development Results 34
B.1.3.3. The statistical implications of Managing for Development Results: the Marrakech Action Plan for Statistics 35
B.1.4. Paris Declaration on Aid Effectiveness 37
B.1.5. EU development policies: the European Consensus on Development and its implications for statistics 38
B.1.5.1. The European Consensus on Development as a framework for development policy 38
B.1.5.2. Regional policy focus 39
B.2. How statistics are made 43
B.2.1. Official statistics and their fundamental principles 43
B.2.1.1. Defining official statistics 43
B.2.1.2. The fundamental principles of official statistics 43
B.2.1.3. Legal framework for statistics 46
B.2.2. The statistical process 47
B.2.2.1. Main types of statistical operations 47
B.2.2.2. The statistical production process step by step 49
B.2.3. National Statistics Systems: who does what 51
B.2.3.1. Users of official statistics 51
B.2.3.2. The organisation of a National Statistical System 51
B.2.3.3. Statistical data producers 53
B.2.3.3.1. The National Statistical Institute 53
B.2.3.3.2. Other producers of official statistics 54
B.2.4. The role of international and regional organisations with statistical activities 54
B.2.4.1. International organisations 54

B.2.4.1.1. Overview 54
B.2.4.1.2. Data compiling and disseminating 55
B.2.4.1.3. International statistical concepts and methods 55
B.2.4.2. Regional organisations 60
B.3. Statistics and indicators in the European Commission development aid process 65
B.3.1. The role and importance of statistics and indicators in the aid context 65
B.3.2. Typology of development indicators 65
B.3.2.1. Typology according to what the indicator is measuring 65
B.3.2.2. Typology of indicators by the use made of them 68
B.3.3 The indicators and statistics to use at each stage of the European Commission Development Cycle 68
B.3.3.1 Statistics and Development Country Attribution 68
B.3.3.2. Statistics and Programming 69
B.3.3.3 Statistics and Identification 71
B.3.3.4 Statistics and Formulation / Implementation 71
B.3.3.5 Statistics and Evaluation 71
B.3.3.6 Statistics and Reporting for Accountability 71
B.3.4 Eurostat Indicators Database 72
B.4. Statistics across policy sectors 75
B.4.1. Millennium Development Goals, Targets and Indicators 75
B.4.2. Indicators for poverty reduction strategies 76
B.4.3. Mapping European Commission policy intervention areas to statistical activities 78
Part C: Support for Statistics 87
C.5. How to decide on a statistical action 87
C.5.1. The importance of National Statistical Systems 87
C.5.1.1. National statistical systems are generators of official statistics 87
C.5.1.2. Data available through the national statistical systems 87
C.5.1.3. International sources as data sources and quality references 90
C.5.2. Assessing the capacity of the National Statistical System 90
C.5.2.1. Objective of the assessment 90
C.5.2.2. The issues to be addressed 91
C.5.2.3. Assessment methodologies 92
C.5.3. The concept of quality in statistics 96
C.5.3.1. The key quality concepts in statistics 96
C.5.3.2 Examining data quality 97
C.5.4. Looking at the National Statistical System as a whole 100
C.6. How to bring assistance to statistics 103
C.6.1. Statistical strategy 103
C.6.1.1. Why a Statistical Strategy 103
C.6.1.2. National Strategies for Development of Statistics 103
C.6.2. Capacity building in statistics 106
C.6.3. Co-ordinating with other programmes and other development partners 109
C.7. The European Commission's support to statistics 113
C.7.1. Objectives for statistics actions: statistics in strategy and programme documents 113
C.7.2. Matching outputs to objectives: the logical framework of a statistics action 113

C.7.3. Providing European Commission support for statistics ... 114
C.7.3.1. The European Commission's implementation instruments and statistics ... 114
C.7.3.2. Eurostat's role in supporting European Commission development statistics ... 115
C.7.4. European Commission types of action in statistics ... 117
C.7.4.1. Overview ... 117
C.7.4.2. Support to the whole statistical system at national level ... 118
C.7.4.3. Support for large scale operations ... 119
C.7.4.4 Sector statistics support at national level ... 119
C.7.4.5. Strengthening regional statistics ... 120
C.8. How to manage statistics actions ... 125
C.8.1. Identification / Pre-feasibility ... 125
C.8.3. Implementation ... 130
C.8.3.1. Start-up phase ... 130
C.8.3.2. Implementation phase ... 130
C.8.3.3. Final phase ... 130
C.8.4. Evaluation step ... 131
C.8.5. Specificities of multi-country projects ... 134
C.8.5.1. Stakeholders ... 134
C.8.5.2 Statistical domains ... 134
C.8.5.3. Statistical integration ... 134
C.8.5.4 Implementation of regional statistical co-operation projects ... 135
C.8.6. Statistical Training ... 135
C.8.7. Other methodological support ... 137
C.8.8. Support in strategy and management ... 137
C.8.9. Support for IT in statistical capacity building ... 139
Part D: Statistics for Policy issues ... 145
D.9. External trade ... 145
D.9.1. Policy applications: what this data is used for ... 145
D.9.2. Concepts and definitions ... 145
D.9.3. Sources of data and metadata ... 147
D.9.4. Analysing data quality and identifying problems ... 148
D.9.5. Improving sector statistics ... 150
D.10. Government finance and public sector statistics ... 159
D.10.1. Policy applications: what this data is used for ... 159
D.10.2. Concepts and definitions ... 159
D.10.2.1. Accounting principles: Cash basis versus accrual basis ... 159
D.10.2.2. Guidelines for government finance statistics ... 160
D.10.2.3. The coverage of the government sector and of the public sector ... 160
D.10.2.2. The analytic framework ... 161
D.10.3. Sources of data and metadata ... 163
D.10.4. Analysing data quality and identifying problems ... 164
D.10.5. Improving sector statistics ... 165
D.11. Business statistics ... 171
D.11.1. Policy applications: what this data is used for ... 171

D.11.2. Concepts and definitions ... 171
D.11.2.1. The main types of business statistics ... 172
D.11.2.1.1. Structural (annual) business statistics (SBS) ... 172
D.11.2.1.2. Short-term business statistics (STS) ... 172
D.11.2.1.3. Manufactured products statistics ... 172
D.11.2.1.4. Other business statistics ... 172
D.11.2.2. The framework for business statistics ... 173
D.11.3. Sources of data ... 173
D.11.3.1. Collecting and compiling business statistics ... 173
D.11.3.2. International sources for business statistics ... 175
D.11.4. Analysing data quality and identifying problems ... 176
D.11.4.1. Specific quality issues for business statistics ... 176
D.11.4.2. The informal economy ... 177
D.11.5. Improving sector statistics ... 178
D.12. Environmental statistics ... 183
D.12.1. Policy applications: what this data is used for ... 183
D.12.2. Air – statistics on emissions to air and ozone depleting substances ... 184
D.12.2.1. Concepts and definitions ... 184
D.12.2.2. Source of data ... 185
D.12.3. Water – statistics on emissions to water and water resources ... 186
D.12.3.1. Concepts and definitions ... 186
D.12.3.2. Source of data ... 186
D.12.4. Waste – statistics on waste generation, movements of hazardous wastes, recycling and disposal ... 187
D.12.4.1. Concepts and definitions ... 187
D.12.4.2. Source of data ... 189
D.12.5. Biodiversity and protected areas ... 190
D.12.5.1. Concepts and definitions ... 190
D.12.5.2. Source of data ... 190
D.12.6. Land cover and land use statistics ... 191
D.12.6.1. Concepts and definitions ... 191
D.12.6.2. Source of data ... 192
D.12.7 Analysing data quality and identifying problems ... 194
D.12.8. Improving sector statistics ... 194
D. 13. Transport statistics ... 201
D.13.1. Policy applications: what transport data is used for ... 201
D.13.2. Concepts and definitions ... 202
D.13.3. Sources of data ... 202
D.13.4. Analysing data quality and identifying problems ... 205
D.13.5. Improving sector statistics ... 207
D.14. Agricultural, forestry and fishing statistics ... 213
D.14.1. Policy applications: what this data is used for ... 213
D.14.2. Concepts and definitions ... 213
D.14.2.1 Economic Accounts for Agriculture (EAA) ... 214
D.14.2.2. Agricultural Price Statistics (APS) ... 215

D.14.2.3 Agricultural structures (farm structure) ... 216
D.14.2.4 Agricultural production statistics (crop and animal production) ... 217
D.14.2.5 Forestry statistics ... 217
D.14.2.6 Agri-environmental statistics ... 218
D.14.2.7 Fisheries ... 218
D.14.3. Sources of data and metadata ... 219
D.14.4. Analysing data quality and identifying problems ... 220
D.14.5. Improving sector statistics ... 221
D.15. Regional and small area statistics ... 227
D.15.1. Policy applications: what this data is used for ... 227
D.15.2. Concepts and definitions ... 228
D.15.3. Sources of regional data ... 231
D.15.4. Analysing data quality and identifying problems ... 231
D.15.5. Improving regional statistics ... 232
D. 16. Justice and Crime Statistics ... 237
D.16.1. Policy applications ... 237
D.16.1.1. The criminal justice system ... 237
D.16.1.2. What these data are used for ... 237
D.16.1.3. Types of justice and crime statistics ... 238
D.16.2. Sources of Data and Metadata: Data available from international sources ... 239
D.16.3. Quality aspects ... 240
D.16.4. Key issues in building a system ... 241
D.16.5. Data Protection ... 242
D.17. Sustainable Development Indicators ... 247
D.17.1. Policy applications: what these indicators are used for ... 247
D.17.1.1 What is sustainable development? ... 247
D.17.1.2 The role of indicators ... 249
D.17.2 Concepts and definitions ... 249
D.17.1.2 Policy driven approach ... 249
D.17.2.2 Conceptual frameworks ... 250
D.17.3 Sources of data and metadata ... 250
D.17.3.1. United Nations (CSD) sustainable development indicators ... 250
D.17.3.2. EU Sustainable Development Indicators ... 252
D.17.3.3. Examples of regional and national SDI frameworks ... 253
D.17.4. Analysing data quality and identifying problems ... 255
D.17.5. Improving sector statistics ... 256
D.17.5.1. EU SDI ... 256
D.17.5.2. Recommendations on how to construct a set of SDI ... 257
D.18. Social Protection ... 261
D.18.1. Policy applications ... 261
D.18.2. Sources of data and metadata: scope, limits, concepts, definitions and nomenclatures ... 262
D.18.2.1. Scope of social protection ... 262
D.18.2.2. Content of the functions ... 263
D.18.2.3. Schemes and types of social protection interventions ... 264

D.18.2.4. Risks/needs/functions 265
D.18.3. Possible output of statistics and indicators 266
D.18.4. Data sources: content, limits and quality 266
D.18.4.1. Accounting records 266
D.18.4.2. Administrative forms concerning the condition and characteristics of the beneficiary 267
D.18.4.3. Household surveys 268
D.18.5. How to build a statistical action in this sector 268
D.18.5.1. Accounting records 269
D.18.5.2. Administrative records 270
D.18.5.3. Household sample surveys 270
D.18.5.4. Training 270
Index 273