Contents

Glossary 14
Acronyms and abbreviations 14
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* 24
A.0.2.1. Statistics in Development 24
A.0.2.2. Support for Statistics 24
A.0.2.3. Statistics for Development Policies 25
A.0.3. How to read the *Guide* 26
A.0.4. How the *Guide* is developed 27
Part B: Statistics in Development 33
B.1. Statistics for development co-operation 33
B.1.1. Millennium Development Goals 33
B.1.2. National development strategies and the demand for statistics 34
B.1.3. Managing for Development Results 37
B.1.3.1. Overview 37
B.1.3.2. Principles of Managing for Development Results 38
B.1.3.3. The statistical implications of Managing for Development Results 40
B.1.3.3.1. The Marrakech Action Plan for Statistics 40
B.1.3.3.2. The Dakar Declaration on Development of Statistics 44
B.1.3.3.3. The Busan Action Plan for Statistics 44
B.1.4. The follow-up of the Busan High Level Forum 46
B.1.4.1. Busan follow-up process 46
B.1.4.2. Mandate and governance of the Global Partnership 46
B.1.4.3. Global monitoring framework 46
B.1.4.4. Country level implementation of Busan commitments 46
B.1.5. EU development policies: 'Agenda for Change', budget support, European Consensus on Development 47
B.1.5.1. 'Agenda for Change' 47
B.1.5.2. EU budget support to third countries 49
B.1.5.3. The European Consensus on Development as a framework for development policy 50
B.1.5.4. Regional policy focus 50
B.2. How statistics are made 55
B.2.1. Official statistics and their fundamental principles 55
B.2.1.1. Defining official statistics 55
B.2.1.2. The fundamental principles of official statistics 56
B.2.1.3. Legal framework for statistics 61
B.2.2. The statistical process 62
B.2.2.1. Main types of statistical operations 62
B.2.2.2. The statistical production process step by step 64
B.2.3. National Statistics Systems: who does what 64
B.2.3.1. Users of official statistics 64

B.2.3.2. The organisation of a National Statistics Systems 66
B.2.3.3. Statistical data producers 67
B.2.3.3.1. The National Statistical Institute 67
B.2.3.3.2. Other producers of official statistics 68
B.2.4. The role of international and regional organisations with statistical activities 69
B.2.4.1. International organisations 69
B.2.4.1.1. Overview 69
B.2.4.1.2. Data compiling and disseminating 70
B.2.4.1.3. International statistical concepts and methods 70
B.2.4.2. Regional organisations 77

B.3. Statistics and indicators in the European Commission development aid process 81
B.3.1. The role and importance of statistics and indicators in the aid context 81
B.3.2. Typology of development indicators 82
B.3.3. Indicators and statistics in the European Commission development cycle 84
B.3.3.1 Statistics in Programming and development country attribution 84
B.3.3.2. Statistics and budget support 87
B.3.3.3 Statistics and Identification 88
B.3.3.4 Statistics and Formulation / Implementation 88
B.3.3.5 Statistics and Evaluation 89
B.3.4. Eurostat Indicators Database 91

B.4. Statistics across policy sectors 95
B.4.1. Millennium Development Goals and Post-MDG Targets and Indicators 95
B.4.1.1. The Millennium Development Goals, their targets and indicators 95
B.4.1.2. Beyond 2015 –Strategy for post-Millennium Development Goals and indicators 96
B.4.1.3. Rio+20 and indicators for sustainable development 97
B.4.1.4. GDP and beyond – measuring progress, well-being and sustainable development 98
B.4.2. Indicators for poverty reduction strategies 99
B.4.3. Mapping European Commission policy intervention areas to statistical activities 100

Part C: Support for Statistics 107

C.5. How to decide on a statistical action 107
C.5.1. The importance of National Statistical Systems 107
C.5.1.1. National statistical systems are generators of official statistics 107
C.5.1.2. Data available through the national statistical systems 107
C.5.1.3. International sources as data sources and quality references 110
C.5.2. Assessing the capacity of the National Statistical System 110
C.5.2.1. Objective of the assessment 110
C.5.2.2. The issues to be addressed 111
C.5.2.3. Assessment methodologies 112
C.5.3. The concept of quality in statistics 117
C.5.3.1. The key quality concepts in statistics 117
C.5.3.2 Examining data quality 119
C.5.4. Looking at the National Statistical System as a whole 121

C.6. How to bring assistance to statistics 125
C.6.1. Statistical strategy 125
C.6.1.1. Why a Statistical Strategy 125
C.6.1.2. National Strategies for Development of Statistics 125
C.6.2. Capacity building in statistics 128
C.6.3. Co-ordinating with other programmes and other development partners 131
C.6.3.1. Co-ordinated financing for statistical capacity building 131
C.6.3.2. Co-ordination of partners and activities 133
C.7. The European Commission's support to statistics 137
C.7.1. Objectives for statistics actions: statistics as policy support 137
C.7.2. Matching outputs to objectives: the logical framework of a statistics action 137
C.7.3. Providing European Commission support for statistics 138
C.7.3.1. The European Commission's implementation instruments and statistics 138
C.7.3.2. Eurostat's role in supporting statistical capacity building in third countries 139
C.7.4. European Commission types of action in statistics 140
C.7.4.1. Overview 140
C.7.4.2. Support to the whole statistical system at national level 140
C.7.4.3. Support for large scale operations 141
C.7.4.4 Sector statistics support at national level 141
C.7.4.5. Strengthening regional statistics 142
C.8. How to manage statistics actions 147
C.8.1. Identification / Pre-feasibility 147
C.8.2. Feasibility / Formulation 149
C.8.3. Implementation 152
C.8.3.1. Start-up phase 152
C.8.3.2. Implementation phase 152
C.8.3.3. Final phase 152
C.8.4. Evaluation step 153
C.8.5. Support in strategy and management; advocacy 155
C.8.6. Regional and sub-regional (multi-country) projects 157
C.8.6.1. Multi-country projects 157
C.8.6.2. Regional organisations with a statistical mission or component 160
C.8.6.3. Range of regional statistic projects 161
C.8.6.4. Institutional issues 165
C.8.6.5. Project issues 166
C.8.7. Statistical Training 167
C.8.8. Other methodological support 169
C.8.9. Support for IT in statistical capacity building 170

Part D: Support for Statistics 173
D.9. Introduction to sector statistics covered by the *Guide* 177
D.10. External trade and Balance of Payments 183
D.10.1. Policy applications: what this data is used for 183
D.10.2. Concepts and definitions 183
D.10.3. Sources of data and metadata 185
D.10.4. Analysing data quality and identifying problems 186
D.10.5. Improving sector statistics 188
D.11. National Accounts, Economic Accounts and the Non-Observed Economy 195
D.11.1. Policy applications: what this data are used for 195
D.11.2. Implementation of the System of National Accounts 197
D.11.2.1. Milestones for 1993 SNA implementation 197
D.11.2.2. Implementation strategies for the 2008 SNA 197
D.11.3. National Accounts concepts and definitions 199
D.11.3.1. Gross domestic product (GDP) and Gross national income (GNI) 199
D.11.3.1.1 Gross domestic product (GDP) 199
D.11.3.1.2. Gross national income (GNI) 199
D.11.3.2. The accounts for the institutional sectors and rest of the world 199
D.11.3.3. National Accounts with Supply and Use Tables (SUT) 200
D.11.3.4. National Accounts with Supply and Use Tables (SUT) in constant prices 200
D.11.3.5. Quarterly National Accounts 201
D.11.4. National Accounts statistical classifications 201
D.11.4.1. Classification for Industries and Products 201
D.11.4.2. Classification for Final domestic expenditure 201
D.11.5. Sources of data for the National Accounts compilation 201
D.11.5.1. Organisation of the statistics 201
D.11.5.2. Data sources for National Accounts 201
D.11.5.2.1. Data sources for annual National Accounts in current prices 201
D.11.5.2.2. Data sources for quarterly national accounts 202
D.11.5.2.3. Price indices or volume data for compiling national accounts in constant prices 202
D.11.6. Analysing data quality and identifying problems 203
D.11.6.1. Specific quality issues for National Accounts 203
D.11.6.2. The "non-observed" economy 203
D.11.6.2.1. Activities missing from statistical data collection 203
D.11.6.2.2. The informal sector and the non-observed economy 203
D.11.7. Improving the National Accounts 205
D.11.7.1. Organisation of the work 205
D.11.7.2. Comprehensive revisions 208
D.12. Price statistics 213
D.12.1. Policy applications of the data 213
D.12.2. Concepts and definitions 214
D.12.2.1 Overview 214
D.12.2.2 The Consumer Price Index 215
D.12.2.3 Harmonised Consumer Price Indices 217

D.12.2.4 The Producer Price Index ... 218
D.12.2.5 Import and Export Prices ... 219
D.12.2.6 Prices in the National Accounts ... 220
D.12.2.7 Purchasing Power Parities ... 220
D.12.3. Sources of data and metadata ... 220
D.12.4. Analysing data quality and identifying problems ... 221
D.12.4.1 The Consumer Price Index ... 221
D.12.4.2 The Producer Price Index ... 221
D.12.4.3 Import and Export Prices ... 222
D.12.4.4 Prices in the National Accounts ... 222
D.12.4.5 Purchasing Power Parities ... 222
D.12.5. Improving sector statistics ... 223
D.13. Business statistics ... 227
D.13.1. Policy applications: what this data is used for ... 227
D.13.2. Concepts and definitions ... 227
D.13.2.1. The main types of business statistics ... 228
D.13.2.1.1. Structural (annual) business statistics (SBS) ... 228
D.13.2.1.2. Short-term business statistics (STS) ... 228
D.13.2.1.3. Manufactured products statistics ... 228
D.13.2.1.4. Other business statistics ... 228
D.13.2.2. The framework for business statistics ... 229
D.13.3. Sources of data ... 229
D.13.3.1. Collecting and compiling business statistics ... 229
D.13.3.2. International sources for business statistics ... 231
D.13.4. Analysing data quality and identifying problems ... 232
D.13.4.1. Specific quality issues for business statistics ... 232
D.13.4.2. The informal economy ... 233
D.13.5. Improving sector statistics ... 234
D.14. Environmental statistics ... 241
D.14.1. Policy applications: what this data is used for ... 241
D.14.2. Air – statistics on emissions to air and ozone depleting substances ... 242
D.14.2.1. Concepts and definitions ... 242
D.14.2.2. Sources of data ... 243
D.14.3. Air quality indicators ... 244
D.14.3.1. Concepts and definitions ... 244
D.14.3.2. Sources of data ... 246
D.14.4. Water – statistics on emissions to water and water resources ... 246
D.14.4.1. Concepts and definitions ... 246
D.14.4.2. Source of data ... 247
D.14.5. Water quality indicators ... 248
D.14.5.1. Concepts and definitions ... 248
D.14.5.2. Sources of data ... 251
D.14.6. Waste – statistics on waste generation, movements of hazardous wastes, recycling and disposal ... 251
D.14.6.1. Concepts and definitions ... 251

D.14.6.2. Source of data ... 253
D.14.7. Biodiversity and protected areas ... 254
D.14.7.1. Concepts and definitions ... 254
D.14.7.2. Source of data ... 254
D.14.8. Land cover and land use statistics ... 255
D.14.8.1. Concepts and definitions ... 255
D.14.8.2. Source of data ... 256
D.14.9. Analysing data quality and identifying problems ... 258
D.14.10. Improving sector statistics ... 260
D.15. Transport statistics ... 265
D.15.1. Policy applications: what transport data is used for ... 265
D.15.2. Concepts and definitions ... 266
D.15.3. Sources of data ... 267
D.15.4. Analysing data quality and identifying problems ... 268
D.15.5. Improving sector statistics ... 270
D.16. Human settlements and housing statistics ... 275
D.16.1. Policy applications: what housing data is used for ... 275
D.16.2. Concepts and definitions ... 275
D.16.3. Sources of data ... 277
D.16.4. Analysing data quality and identifying problems ... 278
D.16.5. Improving sector statistics ... 279
D.17. Agricultural, forestry and fishing statistics ... 283
D.17.1. Policy applications: what this data is used for ... 283
D.17.2. Concepts and definitions ... 283
D.17.2.1 Economic Accounts for Agriculture (EAA) ... 284
D.17.2.2. Agricultural Price Statistics (APS) ... 285
D.17.2.3 Agricultural structures (farm structure) ... 286
D.17.2.4 Agricultural production statistics (crop and animal production) ... 287
D.17.2.5 Forestry statistics ... 287
D.17.2.6 Agri-environmental statistics ... 288
D.17.2.7 Fisheries ... 288
D.17.3. Sources of data and metadata ... 289
D.17.4. Analysing data quality and identifying problems ... 290
D.17.5. Improving sector statistics ... 291
D.18. Regional and small area statistics ... 297
D.18.1. Policy applications: what this data is used for ... 297
D.18.2. Concepts and definitions ... 298
D.18.3. Sources of regional data ... 302
D.18.4. Analysing data quality and identifying problems ... 302
D.18.5. Improving regional statistics ... 303
D.19. Government finance and public sector statistics ... 307
D.19.1. Policy applications: what this data is used for ... 307
D.19.2. Concepts and definitions ... 307
D.19.2.1. Accounting principles: Cash basis versus accrual basis ... 307

D.19.2.2. Guidelines for government finance statistics 308
D.19.2.3. The coverage of the government sector and of the public sector 308
D.19.2.2. The analytic framework 309
D.19.3. Sources of data and metadata 311
D.19.4. Analysing data quality and identifying problems 312
D.19.5. Improving sector statistics 313
D.20. Justice and crime statistics 319
D.20.1. Policy applications 319
D.20.1.1. The criminal justice system 319
D.20.1.2. What these data are used for 319
D.20.1.3. Types of justice and crime statistics 320
D.20.2. Sources of Data and Metadata: Data available from international sources 321
D.20.3. Quality aspects 322
D.20.4. Key issues in building a system 323
D.20.5. Data protection 324
D.21. Living conditions, poverty statistics 329
D.21.1. Policy applications: what this data is used for 329
D.21.2. Concepts and definitions 330
D.21.2.1. Measuring poverty through income and consumption needs 331
D.21.2.2. Statistics on living conditions 332
D.21.2.3. Measuring social inclusion/exclusion 332
D.21.2.4. Social indicators and development 333
D.21.2.5. Social situation indicators 333
D.21.3. Sources of data and metadata 333
D.21.4. Analysing data quality and identifying problems 335
D.21.5. Improving living conditions and poverty statistics 336
D.22. Population and migration statistics 341
D.22.1. Policy applications: the uses of this data 341
D.22.2. Concepts and definitions 341
D.22.2.1 Overview 341
D.22.2.2. Data sources: population registers; civil registration and vital statistics; and other data sources 342
D.22.2.3. Demography 344
D.22.2.4. International Migration Statistics 345
D.22.3. Sources of data and metadata 348
D.22.4. Analysing data quality and identifying problems 348
D.22.5. Improving sector statistics 349
D.23. Education statistics 353
D.23.1. Policy applications: what education data is used for 353
D.23.2. Concepts and definitions 354
D.23.3. Sources of data 356
D.23.4. Analysing data quality and identifying problems 360
D.23.5. Improving sector statistics 361

D.24. Health statistics 365
D.24.1. Policy applications: what this data is used for 365
D.24.2. Concepts and definitions 365
D.24.2.1 Overview 365
D.24.2.2 Administrative data on health 366
D.24.2.3 Sample surveys on health 367
D.24.2.4 Coordination: health information systems 368
D.24.2.5 Health statistics and the MDG indicators 369
D.24.2.6 Spending on health: System of Health Accounts 371
D.24.3. Sources of data and metadata 373
D.24.4. Analysing data quality and identifying problems 373
D.24.5. Improving sector statistics 374
D.25. Income and consumption statistics 379
D.25.1. Policy applications: what this data is used for 379
D.25.2. Concepts and definitions 379
D.25.2.1 Gross Domestic Product, Income and Expenditure approach 380
D.25.2.2. Income distribution 382
D.25.2.3 In-kind income 382
D.25.2.4 Income transfers 382
D.25.2.5 Measures of poverty 383
D.25.2.6 Consumption patterns 383
D.25.2.7 Consumer goods and durables 383
D.25.2.8 Household wealth and debts 384
D.25.2.9 Inflation and price level indices 384
D.25.3. Sources of data and metadata 385
D.25.4. Analysing data quality and identifying problems 386
D.25.5. Improving household statistics 386
D.26. Sustainable Development Indicators 391
D.26.1. Policy applications: what these indicators are used for 391
D.26.1.1 What is sustainable development? 392
D.26.1.2 The role of indicators 393
D.26.2 Concepts and definitions 394
D.26.2.1 Policy driven approach 394
D.26.2.2 Conceptual frameworks 394
D.26.3 Sources of data and metadata 396
D.26.3.1. United Nations (CSD) sustainable development indicators 396
D.26.3.2. EU Sustainable Development Indicators 396
D.26.3.3. Examples of regional and national SDI frameworks 398
D.26.4. Analysing data quality and identifying problems 399
D.26.5. Improving sector statistics 399
D.26.5.1. EU SDI 399
D.26.5.2. Recommendations on how to construct a set of SDI 399

D.27. Labour market statistics 405
D.27.1. What this data is used for 405
D.27.2. Concepts and definitions 406
D.27.2.1. Background 406
D.27.2.2. Definitions 407
D.27.3. Data sources 411
D.27.4. Analysing data quality and identifying problems 412
D.27.5. Improving sector statistics 413
D.28. Social Protection 419
D.28.1. Policy applications 419
D.28.2. Sources of data and metadata: scope, limits, concepts, definitions and nomenclatures 421
D.28.2.1. Scope of social protection 421
D.28.2.2. Content of the functions 421
D.28.2.3. Schemes and types of social protection interventions 422
D.28.3. Possible output of statistics and indicators 424
D.28.4. Data sources: content, limits and quality 424
D.28.4.1. Accounting records 424
D.28.4.2. Administrative forms concerning the condition and characteristics of the beneficiary 425
D.28.4.3. Household surveys 426
D.28.5. How to build a statistical action in this sector 427
D.28.5.1. Accounting records 429
D.28.5.2. Administrative records 429
D.28.5.3. Household sample surveys 429
D.28.5.4. Training 429
INDEX 433