Contents

Foreword **3**

Acknowledgements **4**

Contact details 4

Introduction: The guide to the Guide **7**

Why a Guide to statistics in European Commission development cooperation and who should read it? 7

V4.1. Environment statistics **10**

V4.1.1. Policy applications: what this data is used for 10

V4.1.1.1 Environment indicators and policies 10

V4.1.1.2 Environment SDG indicators 11

V4.1.2. Air – statistics on emissions to air and ozone depleting substances 14

V4.1.2.1. Concepts and definitions 14

V4.1.2.2. Sources of data 16

V4.1.3. Air quality indicators 17

V4.1.3.1. Concepts and definitions 17

V4.1.3.2. Sources of data 18

V4.1.4. Water – statistics on emissions to water and water resources 19

V4.1.4.1. Concepts and definitions 19

V4.1.4.2. Sources of data 19

V4.1.5. Water quality indicators 21

V4.1.5.1. Concepts and definitions 21

V4.1.5.2. Sources of data 23

V4.1.6. Waste – statistics on waste generation, movements of hazardous wastes, recycling and disposal 24

V4.1.6.1. Concepts and definitions 24

V4.1.6.2. Sources of data 25

V4.1.7. Biodiversity and protected areas 26

V4.1.7.1. Concepts and definitions 26

V4.1.7.2. Sources of data 27

V4.1.8. Land cover and land use statistics 28

V4.1.8.1. Concepts and definitions 28

V4.1.8.2. Sources of data 28

V4.1.9. Analysing data quality and identifying problems 30

V4.1.10. Improving sector statistics 32

V4.2. Energy statistics **39**

V4.2.1. Policy applications: what energy data is used for 39

V4.2.2. Concepts and definitions in energy statistics 40

V4.2.3. Sources of energy data and metadata 42

V4.2.4. Analysing quality of energy data and identifying problems 47

V4.2.5. Key issues for building or improving a statistical system in the energy sector 47

V4.3. Agricultural, forestry and fishing statistics 53

V4.3.1. Policy applications: what this data is used for 53

V4.3.2. Concepts and definitions 53

V4.3.2.1 Agricultural production statistics - crop and animal production 54

V4.3.2.2 Agricultural censuses and surveys on the structure of agricultural holdings 54

V4.3.2.3. Agricultural price statistics 56

V4.3.2.4 Food balance sheets 56

V4.3.2.5 Economic accounts for agriculture 57

V4.3.2.6 Agri-environmental indicators 58

V4.3.2.7 Forestry statistics 59

V4.3.2.8 Fisheries statistics 59

V4.3.2.9 Agriculture SDG indicators 60

V4.3.3. Sources of data and metadata 62

V4.3.4. Analysing data quality and identifying problems 62

V4.3.5. Improving sector statistics 63