

# CONTENTS

|                                                                                                                                                                                                                  | Page |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Part one. General information</b>                                                                                                                                                                             | 1    |
| Introduction                                                                                                                                                                                                     | 3    |
| Remarks on the statistical tables                                                                                                                                                                                | 3    |
| English-French-Spanish index of names of countries and non-metropolitan territories                                                                                                                              | 9    |
| English-French-Spanish index of names of narcotic drugs                                                                                                                                                          | 15   |
| <b>Part two. Status of adherence to international conventions on narcotic drugs and receipt of statistics (2009) and estimates (2011)</b>                                                                        | 19   |
| Notes                                                                                                                                                                                                            | 20   |
| Table                                                                                                                                                                                                            | 21   |
| <b>Part three. Estimated requirements of narcotic drugs</b>                                                                                                                                                      | 31   |
| Notes                                                                                                                                                                                                            | 32   |
| Table A. Estimated world requirements of narcotic drugs for 2011                                                                                                                                                 | 34   |
| Table B. World totals of estimates, 2006-2011                                                                                                                                                                    | 64   |
| <b>Part four. Statistical information on narcotic drugs</b>                                                                                                                                                      | 67   |
| Notes                                                                                                                                                                                                            | 69   |
| Comments on the reported statistics on narcotic drugs                                                                                                                                                            | 71   |
| Supply of opiate raw materials and demand for opiates for medical and scientific purposes                                                                                                                        | 94   |
| Tables of reported statistics                                                                                                                                                                                    | 167  |
| Table I. Cultivation of <i>Papaver somniferum</i> for the production of opium, 2005-2011                                                                                                                         | 179  |
| Table II. Cultivation of <i>Papaver somniferum</i> for purposes other than the production of opium, 2005-2011                                                                                                    | 181  |
| Table III. Extraction of alkaloids from opium, 2005-2009                                                                                                                                                         | 184  |
| Table IV. Extraction of morphine from poppy straw (M), 2005-2009                                                                                                                                                 | 186  |
| Table V. Extraction of thebaine from poppy straw (T and M), 2005-2009                                                                                                                                            | 190  |
| Table VI. Conversion of morphine, 2005-2009                                                                                                                                                                      | 192  |
| Table VII. Conversion of thebaine, 2005-2009                                                                                                                                                                     | 197  |
| Table VIII. Manufacture of alkaloids contained in concentrate of poppy straw, 2005-2009                                                                                                                          | 200  |
| Table IX. Manufacture of the principal narcotic drugs, 2005-2009                                                                                                                                                 | 202  |
| Table X. Manufacture of other narcotic drugs                                                                                                                                                                     | 207  |
| 1. Derivatives of opium alkaloids, 2005-2009                                                                                                                                                                     | 207  |
| 2. Synthetic opioids, 2005-2009                                                                                                                                                                                  | 207  |
| Table XI. Production, utilization, imports and exports of coca leaf and manufacture of cocaine, 2005-2009                                                                                                        | 208  |
| Table XII. Consumption of the principal narcotic drugs and calculated consumption of buprenorphine, 2005-2009                                                                                                    | 210  |
| Table XIII. Consumption of other narcotic drugs, 2005-2009                                                                                                                                                       | 240  |
| 1. Fentanyl, principal fentanyl analogues and piritramide, 2005-2009                                                                                                                                             | 240  |
| 2. Other derivatives of opium alkaloids, 2005-2009                                                                                                                                                               | 263  |
| 3. Other synthetic opioids, 2005-2009                                                                                                                                                                            | 263  |
| Table XIV. Levels of consumption of narcotic drugs and buprenorphine                                                                                                                                             | 264  |
| 1. Average consumption of narcotic drugs, in defined daily doses for statistical purposes per million inhabitants per day, excluding preparations in Schedule III, 2007-2009                                     | 264  |
| a. All countries                                                                                                                                                                                                 | 264  |
| b. Africa                                                                                                                                                                                                        | 273  |
| c. Asia                                                                                                                                                                                                          | 275  |
| d. Central America and the Caribbean                                                                                                                                                                             | 278  |
| e. Europe                                                                                                                                                                                                        | 280  |
| f. North America                                                                                                                                                                                                 | 282  |
| g. Oceania                                                                                                                                                                                                       | 283  |
| h. South America                                                                                                                                                                                                 | 284  |
| i. All regions                                                                                                                                                                                                   | 285  |
| 2. Global average levels of utilization of narcotic drugs for the manufacture of preparations listed in Schedule III, in defined daily doses for statistical purposes per million inhabitants per day, 2005-2009 | 286  |
| 3. Global consumption of opioids, expressed in millions of defined daily doses for statistical purposes (S-DDD) 1990-2009                                                                                        | 287  |
| Table XV. Total stocks of narcotic drugs, 2005-2009                                                                                                                                                              | 289  |

|                                                                                    | <i>Page</i> |
|------------------------------------------------------------------------------------|-------------|
| Table XVI. World trade .....                                                       | 291         |
| 1. Exports of opiate raw materials, 2007-2009.....                                 | 291         |
| 2. Imports of opiate raw materials, 2007-2009 .....                                | 293         |
| 3. Exports of the principal narcotic drugs, 2007-2009 .....                        | 296         |
| 4. Imports of the principal narcotic drugs, 2007-2009 .....                        | 304         |
| Table XVII. Seizures of selected narcotic drugs, 2009 .....                        | 325         |
| <b>Part five. Comparative statement of estimates and statistics for 2009 .....</b> | <b>331</b>  |
| Notes .....                                                                        | 332         |
| Table .....                                                                        | 334         |