



CGE Greenhouse Gas Inventory Hands-on Training

Exercises

Key Category Analysis

For this exercise, you will need to open the Excel sheet "Hands-on-Exercises-KCA.xls"

Using tier 1 methods, your colleagues have calculated the GHG emissions and removals from all sources and sinks in your country. The result of their work can be found in the Excel sheet *"Hands-on-Exercises-KCA.xls"*. Using the data in the Excel sheet, do the following:

- a. For each sector determine the level of aggregation you would use to identify key categories
- b. Determine the specific key categories (including activities from LULUCF) using a tier 1 level assessment



Excel sheet "Hands-on-Exercises-KCA.xls"

Sector/Category	1990	2000
1. Energy	1,752,865.83	2,735,304.58
1.A. Fuel Combustion (Sectoral Approach)	1,369,330.44	2,282,359.22
1.A.1. Energy Industries	867,244.87	1,176,041.93
1.A.2. Manufacturing Industries and Construction	132,388.93	217,530.29
1.A.3. Transport	198,970.41	342,365.20
1.A.4. Other Sectors	142,522.12	264,055.87
1.A.5. Other	28,204.10	282,365.92
1.B. Fugitive Emissions from Fuels	383,535.39	452,945.36
1.B.1. Solid Fuels	46,069.14	73,011.80
1.B.2. Oil and Natural Gas	337,466.25	379,933.56
2. Industrial Processes	158,246.56	257,523.35
2.A. Mineral Products	41,535.08	84,223.09
2.B. Chemical Industry	20,693.87	22,904.65
2.C. Metal Production	84,576.65	120,757.17
2.D. Other Production	NE	NE
2.E. Production of Halocarbons and SF6	7,185.16	29,606.15
2.F. Consumption of Halocarbons and SF6 (2)	4,255.80	32.29
2.G. Other	NA	NA
3. Solvent and Other Product Use	557.59	561.61
4. Agriculture	142,372.04	317,286.52
4.A. Enteric Fermentation	39,880.43	98,559.81
4.B. Manure Management	24,270.09	57,133.79
4.C. Rice Cultivation	921.90	1,627.29
4.D. Agricultural Soils(3)	77,299.62	159,965.63
4.E. Prescribed Burning of Savannas	NO	NO
4.F. Field Burning of Agricultural Residues	NO	NO
4.G. Other	NO	NO
5. Land Use, Land-Use Change and Forestry	-649,598.39	80,286.40
5.A. Forest Land	-678,265.88	-213,089.35
5.B. Cropland	83,557.48	268,572.42
5.C. Grassland	-75,970.58	-11,508.34
5.D. Wetlands	93.53	147.27
5.E. Settlements	20,987.06	36,164.41
5.F. Other Land	NE,NO	NE,NO
5.G. Other	NE	NE
6. Waste	73,312.37	58,618.76
6.A. Solid Waste Disposal on Land	47,455.08	28,220.26
6.B. Waste-water Handling	25,857.29	30,398.50
6.C. Waste Incineration	IE	IE
6.D. Other	NA	NA

