

5 November 2015

IPCC Inventory Software Version 2.16

Release note

This version of IPCC Inventory Software improved the function of exporting data to the Non-Annex I reporting tables (see section 3.2.7.4 of User Manual for details). It also fixed bugs and errors identified since Version 2.12 released 28 November 2013, including those described below.

Sector	Location in Software	Detail of bugs and errors
Energy	Reference approach	In the menu Tools -> Reference approach -> Comparison tab partially displayed incorrect data. Under Sectoral Approach, in CO <sub>2</sub> Emissions cell displayed an incorrect value. Based on this error subsequent calculation of percentage performed incorrectly.
Energy	Reference approach	The sectoral approach includes memo items (1.A.3.a.i, 1.A.3.b.i, 1.A.5.c) which should not be included.
Energy	Worksheet: 1A3ai & 1A3aii	Default EF for Aviation Gasoline should be 70000, instead of 69300 (kg CO <sub>2</sub> /TJ). This is to reflect 4th Corrigenda for the 2006 IPCC Guidelines.
IPPU	Summary table	The value of NMVOCs entered in the sectoral tables (category 2.D.3) should be reflected to the short summary & summary tables.
AFOLU	Worksheets for categories 3.A.2: Manure Management & 3.C.4: Direct N <sub>2</sub> O Emissions from Soil	The N input from PRP values entered in the worksheets for categories 3.A.2: Manure Management for Cattle, Poultry and Pigs (CPP) and Sheep and Other Animals (SO) are supposed to be separately summed and carried through into the worksheet, "Organic N Applied to Managed Soils" for the category, 3C.4: Direct N <sub>2</sub> O Emissions from Soil. However these are not carried through for the livestock other than cattle and sheep. So the amount of urine and dung N deposited by grazing animals in PRP is incorrect as it is lower than what it should be.
AFOLU	Worksheets for C stock changes in DOM stocks for land conversion categories (e.g., FL-CL)	The area undergoing conversion from old to new land-use category is entered against dead wood and litter is summed whereas it should not be since it is the same area that is written twice. So only the areas for different conversion subcategories are summed to give the total area undergoing conversion.
AFOLU	Worksheets for C stock changes in DOM stocks for land conversion categories (e.g., FL-CL)	There is no need to provide the total of DOM C stocks for the old and new categories as this is a meaningless piece of information that is not used in the actual calculation and could actually be misleading.
AFOLU	Worksheet: 3C7	Default value (SFp) for aggregated case given in Table 5.13 should be added.
AFOLU	Worksheet: 3B1a, 3B1b	Loss of carbon from disturbance sheet. "Table 4.9" for "average above-ground biomass of areas affected" should be "Tables 4.7 & 4.8". This is to

		reflect 2nd Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2b	Annual change in carbon stocks in biomass sheet. Column "Annual biomass carbon growth": "Table 5.9" should be "National estimates, or Table 5.9". This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B3b	Annual change in carbon stocks in biomass sheet. "National estimates" should be added below the cell "Annual biomass carbon growth". This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B5b	Annual change in carbon stocks in biomass sheet. "National estimates" should be added below the cell "Annual biomass carbon growth". This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B6b	Annual change in carbon stocks in biomass sheet. "National estimates" should be added below the cell "Annual biomass carbon growth". This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2a	In sheet Annual change in carbon stocks in biomass, the footnote 2) should be replaced with "Annual growth of perennial woody biomass ( $\Delta CG$ ) is equal to the area of perennial crop that is not mature times biomass accumulation rate (G) using a national estimate or data from Table 5.1." This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2a	In sheet Annual change in carbon stocks in biomass, the footnote 3) should be replaced with "Annual carbon stock in biomass removed ( $\Delta CL$ ) is equal to the area of perennial crops that is annually harvested times the area-specific carbon stock value that is lost (L) using a national estimate or biomass carbon loss data from Table 5.1." This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2a	In sheet Annual change in carbon stocks in biomass, the footnote 4) should be replaced with "If the area of perennial crops that was harvested in the inventory year equals the mean harvested area over the entire harvest cycle of the perennial crop, the annual change in carbon stocks in biomass can be taken to be zero, and $\Delta CG$ and $\Delta CL$ do not need to be estimated." This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2b	In sheet Annual change in carbon stocks in biomass, the footnote 1) should be replaced with "Annual biomass carbon growth ( $\Delta CG$ ) is equal to the area of perennial crop that is not mature times biomass accumulation rate (G) using a national estimate or data from Table 5.9." This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
AFOLU	Worksheet: 3B2b	In sheet Annual change in carbon stocks in biomass, the footnote 2) should be replaced with "Annual carbon stock in biomass removed ( $\Delta CL$ ) is equal to the area of perennial crops that is annually harvested times the area-specific carbon stock value that is lost (L) using a national estimate or biomass carbon loss data from Table 5.1." This is to reflect 8th Corrigenda for the 2006 IPCC Guidelines.
Waste	Worksheet: 4D1	Regions and TOWs sheet. The unit for column B should be (kg BOD/cap/yr), not (kg BOD/cap.yr). This is to reflect 6th Corrigenda for the 2006 IPCC Guidelines.
Waste	Worksheet: 4D1	Indirect N <sub>2</sub> O sheet. The unit for column C & D should be (kg N <sub>2</sub> O/yr), not (kg N <sub>2</sub> O-N/yr). This is to reflect 6th Corrigenda for the 2006 IPCC Guidelines.
General	Key category analysis	In Approach 1: Level Assessment, the absolute value (column E) seems be wrong when the value is negative in column D.