

Table S3. Forest Carbon stocks by biome, country or region for 1990, 2000 and 2007 (1, 2, 3)

Biome and country/region	1990							2000							2007							
	Total living biomass	Dead wood	Litter	Soil	Total C stock	Uncertainty (±)	Carbon density (Mg C ha <sup>-1</sup> )	Total living biomass	Dead wood	Litter	Soil	Total C stock	Uncertainty (±)	Carbon density (Mg C ha <sup>-1</sup> )	Total living biomass	Dead wood	Litter	Soil	Total C stock	Uncertainty (±)	Carbon density (Mg C ha <sup>-1</sup> )	
	(Pg C)							(Pg C)							(Pg C)							
<b>Boreal</b>																						
Asian Russia	26.6	7.4	9.8	115.5	159.4	19.9	242.0	27.2	8.0	10.2	117.2	162.7	20.3	245.5	27.9	8.8	10.5	120.1	167.3	20.9	247.3	
European Russia	8.3	2.0	2.9	24.2	37.4	4.7	240.5	8.8	2.1	3.2	25.0	39.1	4.9	245.7	9.6	2.3	3.3	26.7	42.0	5.2	248.5	
Canada	14.4	5.0	11.5	19.7	50.6	6.3	219.8	14.4	4.8	11.6	19.7	50.5	6.3	220.0	14.0	5.0	11.7	19.7	50.4	6.3	219.7	
Europe boreal	2.2	0.1	1.3	7.6	11.2	1.3	191.6	2.3	0.1	1.4	8.0	11.7	1.3	198.1	2.5	0.1	1.4	7.9	11.8	1.3	196.2	
<b>Subtotal</b>	<b>51.5</b>	<b>14.5</b>	<b>25.6</b>	<b>167.0</b>	<b>258.6</b>	<b>21.5</b>	<b>234.5</b>	<b>52.8</b>	<b>15.0</b>	<b>26.4</b>	<b>169.9</b>	<b>264.0</b>	<b>21.9</b>	<b>237.7</b>	<b>53.9</b>	<b>16.1</b>	<b>27.0</b>	<b>174.5</b>	<b>271.5</b>	<b>22.5</b>	<b>239.2</b>	
<b>Temperate</b>																						
United States	17.2	2.5	4.6	15.7	40.0	3.8	162.8	18.4	2.6	4.7	15.8	41.5	3.9	164.8	19.4	2.7	4.8	16.0	42.9	4.1	167.1	
Europe	8.4	0.3	1.9	15.0	25.5	2.6	193.4	9.5	0.3	2.0	15.8	27.6	2.8	197.1	10.5	0.3	2.0	16.3	24.0	3.0	166.4	
China	5.3	0.1	1.1	14.3	20.8	2.6	149.5	5.9	0.1	1.1	15.0	22.1	2.8	154.6	6.5	0.1	1.2	16.3	24.2	3.0	155.5	
Japan	1.3	ND	ND	ND	1.3	0.2	52.5	1.5	ND	ND	ND	1.5	0.2	63.8	1.6	ND	ND	ND	1.6	0.2	66.4	
South Korea	0.1	ND	ND	ND	0.1	<0.1	19.3	0.2	ND	ND	ND	0.2	<0.1	29.0	0.2	ND	ND	ND	0.2	<0.1	29.8	
Australia	6.3	ND	3.7	5.3	15.4	1.9	99.7	6.5	0.0	3.8	5.5	15.8	2.0	105.0	6.6	0.0	3.9	5.6	16.1	2.0	108.1	
New Zealand	1.2	0.1	0.1	0.7	2.1	0.3	269.8	1.3	0.1	0.1	0.7	2.1	0.3	256.5	1.3	0.1	0.1	0.7	2.2	0.3	259.1	
Other countries	0.4	ND	0.1	1.8	2.3	0.6	145.4	0.5	ND	0.1	1.8	2.3	0.6	145.8	0.5	ND	0.1	1.8	2.3	0.6	146.4	
<b>Subtotal</b>	<b>40.3</b>	<b>3.1</b>	<b>11.4</b>	<b>52.7</b>	<b>107.6</b>	<b>5.7</b>	<b>146.7</b>	<b>43.7</b>	<b>3.2</b>	<b>11.8</b>	<b>54.5</b>	<b>113.1</b>	<b>6.0</b>	<b>151.6</b>	<b>46.6</b>	<b>3.3</b>	<b>12.1</b>	<b>56.7</b>	<b>118.6</b>	<b>6.3</b>	<b>154.7</b>	
<b>Tropical Intact</b>																						
South Asia	28.7	5.9	0.5	15.6	50.6	6.6	265.6	21.6	4.3	0.4	11.2	37.5	4.9	274.1	20.4	4.0	0.4	10.2	35.0	4.5	280.1	
Africa	84.7	18.9	1.4	43.0	147.9	42.0	246.4	79.4	17.2	1.3	38.1	136.0	38.6	255.7	76.6	16.2	1.2	35.4	129.5	36.8	262.1	
Americas	141.5	27.0	2.7	81.3	252.5	32.1	285.2	136.2	25.4	2.5	75.1	239.1	30.4	292.6	131.2	24.2	2.4	71.0	228.8	48.2	295.9	
<b>Subtotal</b>	<b>254.8</b>	<b>51.7</b>	<b>4.5</b>	<b>139.9</b>	<b>451.0</b>	<b>53.2</b>	<b>269.1</b>	<b>237.2</b>	<b>46.9</b>	<b>4.2</b>	<b>124.4</b>	<b>412.6</b>	<b>49.4</b>	<b>277.7</b>	<b>228.2</b>	<b>44.4</b>	<b>4.0</b>	<b>116.6</b>	<b>393.3</b>	<b>60.8</b>	<b>282.5</b>	
<b>Global Subtotal (4)</b>	<b>346.7</b>	<b>69.3</b>	<b>41.5</b>	<b>359.7</b>	<b>817.1</b>	<b>57.7</b>	<b>232.7</b>	<b>333.7</b>	<b>65.0</b>	<b>42.3</b>	<b>348.8</b>	<b>789.8</b>	<b>54.3</b>	<b>236.3</b>	<b>328.7</b>	<b>63.8</b>	<b>43.1</b>	<b>347.8</b>	<b>783.4</b>	<b>65.1</b>	<b>237.8</b>	
<b>Tropical Regrowth</b>																						
South Asia	15.0	3.5	[1]	14.3	32.9	8.2	243.7	19.7	4.0	[1]	17.8	41.5	10.4	252.6	22.8	5.0	[1]	19.6	47.4	11.8	274.7	
Africa	1.9	1.0	[1]	5.5	8.4	2.1	56.4	2.3	1.1	[1]	6.3	9.7	2.4	54.9	2.6	1.7	[1]	7.1	11.4	2.8	59.6	
Americas	3.0	2.4	[1]	4.2	9.6	2.4	59.1	5.3	2.2	[1]	5.9	13.5	3.4	73.8	8.6	2.3	[1]	8.1	19.0	4.7	97.7	
<b>Subtotal</b>	<b>19.8</b>	<b>7.0</b>	<b>0.0</b>	<b>24.1</b>	<b>50.9</b>	<b>8.8</b>	<b>113.8</b>	<b>27.3</b>	<b>7.3</b>	<b>0.0</b>	<b>30.0</b>	<b>64.6</b>	<b>11.2</b>	<b>123.5</b>	<b>33.9</b>	<b>9.1</b>	<b>0.0</b>	<b>34.7</b>	<b>77.7</b>	<b>13.1</b>	<b>139.4</b>	
<b>All Tropics</b>																						
South Asia	43.6	9.4	0.5	29.9	83.5	10.6	256.5	41.3	8.3	0.4	29.0	79.0	11.5	262.3	43.2	9.1	0.4	29.8	82.4	36.9	277.0	
Africa	86.6	19.9	1.4	48.5	156.3	42.0	208.6	81.8	18.3	1.3	44.4	145.7	38.7	205.6	79.2	18.0	1.2	42.5	140.9	48.4	205.7	
Americas	144.5	29.4	2.7	85.5	262.1	32.2	250.0	141.5	27.6	2.5	81.0	252.6	30.6	252.7	139.8	26.5	2.4	79.1	247.8	52.2	256.1	
<b>Subtotal</b>	<b>274.7</b>	<b>58.7</b>	<b>4.5</b>	<b>164.0</b>	<b>501.9</b>	<b>54.0</b>	<b>236.4</b>	<b>264.5</b>	<b>54.2</b>	<b>4.2</b>	<b>154.4</b>	<b>477.3</b>	<b>50.6</b>	<b>237.5</b>	<b>262.1</b>	<b>53.6</b>	<b>4.0</b>	<b>151.3</b>	<b>471.0</b>	<b>93.0</b>	<b>241.6</b>	
<b>Global Total (5)</b>	<b>366.5</b>	<b>76.3</b>	<b>41.5</b>	<b>383.7</b>	<b>868.0</b>	<b>58.3</b>	<b>219.2</b>	<b>361.0</b>	<b>72.3</b>	<b>42.3</b>	<b>378.8</b>	<b>854.4</b>	<b>55.5</b>	<b>221.0</b>	<b>362.6</b>	<b>72.9</b>	<b>43.1</b>	<b>382.5</b>	<b>861.1</b>	<b>66.4</b>	<b>223.6</b>	

(1). Carbon stocks for the total area of forest land in a reported year, which includes "forest land remaining forest land" and "new forest land" (afforested land); (2) The soil depth is at 1 meter. (3) ND: no data available and [1] litter is included in soil; (4) Estimates of carbon stocks for global established forests; (5) Estimates of carbon stocks for specific years pertain to the total area of forest land in the given year and therefore include lost carbon stocks because of deforestation. Thus, it is not possible to consistently match the estimates of stock change in Table 3 (main text) that pertain to "forest land remaining forest land" and "afforestation".