

Guide to the analysis tables

The analysis tables found in this workbook contains analysis tables displaying totals, annual change, annual change rate in percent by country, and grouped by sub-region, region, income category and climatic domain. The analysis tables consists of two parts:

1. **State analysis** refers to the latest reference year for the variable (usually 2015). The countries reporting a value (≥ 0) for the variable for the latest reference year are included in the totals. Information availability for the variable is indicated as the sum of the forest area of countries reporting on the variable, expressed as a percentage of total forest area of the group (*illustration 1*).
2. **Trend analysis** displays the data reported by the countries. It should however be noted that only countries which have reported a complete time series for all reporting years are included in the group totals. The information availability is indicated the same way as in the state analysis (but based on countries reporting a complete time series). Further, the annual change in absolute figures and the compound change rates¹ are calculated at country, group and global levels. (*illustration 2*)

¹Example: Compound change rate (%) forest area 1990-2000, 2000-2005 and 1990-2005.

Compound change rate (%)	Example forest area		
	1990-2000	2000-2005	1990-2005
Formula	$= ((A2/A1)^{1/10}-1)*100$	$= ((A2/A1)^{1/5}-1)*100$	$= ((A2/A1)^{1/15}-1)*100$
Where:	A1= Forest area 1990 A2= Forest area 2000	A1= Forest area 2000 A2= Forest area 2005	A1= Forest area 1990 A2= Forest area 2005

Illustration 1. State analysis

Country/region	# of countries	Total forest area (1000 ha)	STATE analysis			
			based on a selection of those countries that have reported a value ≥ 0 for the latest ref. year			
			# of countries	Forest area	% of tot F.A.	Production
China		208321.3				92958.1
DPR Korea		5031				3902
Japan		24958				
Mongolia		12552.8				3187.7
Republic of Korea		6184				3171
East Asia	5	257047.1	4	232089.1	90%	103218.8

East Asia consists of 5 countries the total forest area of the subregion is 257047.1 (1000 ha)

Only four countries reported data on forest designated for production for the year 2015 and their total forest area amounts to 232089.1 (1000 ha) or 90% of the total forest area of the subregion

The area of forest designated for production of these four countries amounts to 103218.8 (1000 ha)

Illustration 2. Trend analysis

Country/region	state analysis	TREND analysis 1(2)							
		Regional totals are based on those countries that have a complete time series for applicable years							
		# of countries	Forest area 2015	% of tot F.A.	Production (1000 ha)				
					1990	2000	2005	2010	2015
China	...			114103	107986	85384	89346	92958	
DPR Korea	...			7072	5804	5170	4537	3902	
Japan	...								
Mongolia	...			856	785	757	2723	3188	
Republic of Korea	...				3469	3337	3276	3171	
East Asia	...	3	225905	88%	122031	114575	91311	96605	100048

Three countries representing a total forest area of 225905 (1000 ha) or 88% of the subregions total forest area reported data for all reporting years.

Only countries which have reported a complete time series for all reporting years are included in the totals. In this example Japan and Republic of Korea are excluded from the totals

Country/region	TREND analysis 2(2)																			
	Regional totals are based on those countries that have a complete time series for applicable years																			
	Annual change (1000 ha/yr)										Annual change rate (%)									
	90-00	90-05	90-10	90-15	00-05	00-10	00-15	05-10	05-15	10-15	90-00	90-05	90-10	90-15	00-05	00-10	00-15	05-10	05-15	10-15
China	-612	-1915	-1238	-846	-4520	-1864	-1002	792	757	723	-0.55%	-1.91%	-1.22%	-0.82%	-4.59%	-1.88%	-0.99%	0.91%	0.85%	0.80%
DPR Korea	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-1.96%	-2.07%	-2.19%	-2.35%	-2.29%	-2.43%	-2.61%	-2.58%	-2.77%	-2.97%
Japan																				
Mongolia	-7	-7	93	93	-6	194	160	393	243	93	-0.86%	-0.82%	5.96%	5.40%	-0.72%	13.24%	9.79%	29.18%	15.46%	3.20%
Republic of Korea					-26	-19	-20	-12	-17	-21					-0.77%	-0.57%	-0.60%	-0.37%	-0.51%	-0.65%
East Asia	-746	-2048	-1271	-879	-4653	-1797	-968	1059	874	688	-0.63%	-1.91%	-1.16%	-0.79%	-4.44%	-1.69%	-0.90%	1.13%	0.92%	0.70%

Data reported by countries are displayed and annual change and change rates (%) are calculated but are not included in the group totals unless data is reported for all reporting years

Table 1. Overview of the analysis tables

WORKBOOK / Variable	Unit	Reporting year				
		1990	2000	2005	2010	2015
FOREST AREA						
Forest area	1000 ha	x	x	x	x	x
Other wooded land	1000 ha	x	x	x	x	x
Other land	1000 ha	x	x	x	x	x
...of which with tree cover	1000 ha	x	x	x	x	x
FOREST CHARACTERISTICS						
Primary forest	1000 ha	x	x	x	x	x
Other naturally regenerated forest	1000 ha	x	x	x	x	x
Planted forest	1000 ha	x	x	x	x	x
Area of mangrove forest	1000 ha	x	x	x	x	x
GROWING STOCK, BIOMASS AND CARBON						
Forest growing stock	Million m ³	x	x	x	x	x
Above-ground biomass	Million tonnes	x	x	x	x	x
Below-ground biomass	Million tonnes	x	x	x	x	x
Dead wood	Million tonnes	x	x	x	x	x
Carbon in above-ground biomass	Million tonnes	x	x	x	x	x
Carbon in below-ground biomass	Million tonnes	x	x	x	x	x
Carbon in dead wood	Million tonnes	x	x	x	x	x
Carbon in litter	Million tonnes	x	x	x	x	x
Soil carbon	Million tonnes	x	x	x	x	x
PRODUCTION AND MULTIPLE USE						
Production forest	1000 ha	x	x	x	x	x
Multiple use forest	1000 ha	x	x	x	x	x
BIODIVERSITY AND PROTECTED AREAS						
Conservation of biodiversity	1000 ha	x	x	x	x	x
Forest area within protected areas	1000 ha	x	x	x	x	x
OWNERSHIP OF FORESTS						
Public ownership	1000 ha	x	x	x	x	
Private ownership	1000 ha	x	x	x	x	
Unknown ownership	1000 ha	x	x	x	x	
MANAGEMENT RIGHTS OF PUBLIC FORESTS						
Public administration	1000 ha	x	x	x	x	
Individuals	1000 ha	x	x	x	x	
Private companies	1000 ha	x	x	x	x	
Communities	1000 ha	x	x	x	x	
Other	1000 ha	x	x	x	x	
EMPLOYMENT IN FORESTRY						
Employment in forestry	1000 FTE	x	x	x	x	