

CountrySTAT / FENIX

Overview of the **Coding System system** in the new CountrySTAT platform

REFRESHER TRAINING OF FOCAL POINTS
ON THE CountrySTAT/FENIX SYSTEM

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Overview

Work flow

Coding System: Central Product Classification

Coding System: Harmonized Commodity Description and Coding System

Coding System: Unit of measurement

Coding System: Flags

Coding System: Global Administrative Unit Layers

Coding System: CountrySTAT indicators

Coding System: Attributes

Coding System: DAC

Coding System: Forestry products

Coding System: Fishery products

Coding System: Scientific Fishery products

Coding System: Country specific

Work flow

- Have the data ready

- CVS format
- No columns with labels

**Your table
is
published**

- Create your table following the rules

- CPC 2.1
- HS
- GAUL
- CountrySTAT indicators
- Unit of Measurement
- DAC
- Attributes
- Flag
- Forestry production
- Fishery production
- Scientific Fishery production

- Use the right Coding System

- Have the metadata ready

- Go to the metadata editor

- Fill all metadata

- Create the DSD structure

- Upload the values

Coding Systems

CPC 2.1

For goods and services

HS

For trade data

UM

Unit of measurement

Flags

To indicate missing and estimated values

DAC

For sectors

GAUL

For geo data

CountrySTAT indicators

For all indicators

Attributes

Characteristics of the indicators

Forestry products

Fishery products

Scientific Fishery products

Coding System: CPC

- The Central Product Classification (CPC) constitutes a complete product classification covering **all goods and services** based on a set of internationally agreed concepts, definitions, principles and classification rules
- It provides a comprehensive framework within which data on products can be collected and presented in a format that allows for **economic analysis** supporting decision-taking and policy-making

Coding System: CPC

The current version, CPC version 2.1, is the result of a scheduled review of the CPC structure and detail, in order to ensure the classification's relevance for describing current products in the economy.

For CountrySTAT should be utilized an **expanded version** (provided in the Excel file)

All detailed structure and explanatory notes can be found at the following link (CPC 2.1 not expanded version):

<http://unstats.un.org/unsd/cr/registry/regcst.asp?Cl=31>

Here all the available correspondences:

<http://unstats.un.org/unsd/cr/registry/regot.asp?Lg=1>

CPC 2.1 : Broad structure

Detailed structure and explanatory notes

CPC Ver.2.1

(Central Product Classification, Ver.2.1)

Click on any code to see more detail. Click [here](#) for top level only.

- [0](#) - Agriculture, forestry and fishery products
 - [01](#) - Products of agriculture, horticulture and market gardening
 - [02](#) - Live animals and animal products (excluding meat)
 - [03](#) - Forestry and logging products
 - [04](#) - Fish and other fishing products
- [1](#) - Ores and minerals; electricity, gas and water
 - [11](#) - Coal and peat
 - [12](#) - Crude petroleum and natural gas
 - [13](#) - Uranium and thorium ores and concentrates
 - [14](#) - Metal ores
 - [15](#) - Stone, sand and clay
 - [16](#) - Other minerals
 - [17](#) - Electricity, town gas, steam and hot water
 - [18](#) - Natural water
- [2](#) - Food products, beverages and tobacco; textiles, apparel and leather products
 - [21](#) - Meat, fish, fruits, vegetables, oils and fats
 - [22](#) - Dairy products and egg products
 - [23](#) - Grain mill products, starches and starch products; other food products
 - [24](#) - Beverages
 - [25](#) - Tobacco products
 - [26](#) - Yarn and thread; woven and tufted textile fabrics
 - [27](#) - Textile articles other than apparel
 - [28](#) - Knitted or crocheted fabrics; wearing apparel
 - [29](#) - Leather and leather products; footwear
- [3](#) - Other transportable goods, except metal products, machinery and equipment
 - [31](#) - Products of wood, cork, straw and plaiting materials
 - [32](#) - Pulp, paper and paper products; printed matter and related articles
 - [33](#) - Coke oven products; refined petroleum products; nuclear fuel
 - [34](#) - Basic chemicals
 - [35](#) - Other chemical products; man-made fibres

Section	Division
0	Agriculture, forestry and fishery products
01	Products of agriculture, horticulture and market gardening
02	Live animals and animal products (excluding meat)
03	Forestry and logging products
04	Fish and other fishing products
1	Ores and minerals; electricity, gas and water
11	Coal and peat
12	Crude petroleum and natural gas
13	Uranium and thorium ores and concentrates
14	Metal ores
15	Stone, sand and clay
16	Other minerals
17	Electricity, town gas, steam and hot water
18	Natural water
2	Food products, beverages and tobacco; textiles, apparel and leather products
21	Meat, fish, fruits, vegetables, oils and fats
22	Dairy products and egg products
23	Grain mill products, starches and starch products; other food products
24	Beverages
25	Tobacco products
26	Yarn and thread; woven and tufted textile fabrics
27	Textile articles other than apparel
28	Knitted or crocheted fabrics; wearing apparel
29	Leather and leather products; footwear

3	Other transportable goods, except metal products, machinery and equipment
31	Products of wood, cork, straw and plaiting materials
32	Pulp, paper and paper products; printed matter and related articles
33	Coke oven products; refined petroleum products; nuclear fuel
34	Basic chemicals
35	Other chemical products; man-made fibres
36	Rubber and plastics products
37	Glass and glass products and other non-metallic products n.e.c.
38	Furniture; other transportable goods n.e.c.
39	Wastes or scraps

4	Metal products, machinery and equipment
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41	Basic metals
42	Fabricated metal products, except machinery and equipment
43	General-purpose machinery
44	Special-purpose machinery
45	Office, accounting and computing machinery
46	Electrical machinery and apparatus
47	Radio, television and communication equipment and apparatus

48	Medical appliances, precision and optical instruments, watches and clocks
49	Transport equipment

5	Constructions and construction services
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53	Constructions
54	Construction services

6	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services
61	Wholesale trade services
62	Retail trade services
63	Accommodation, food and beverage services
64	Passenger transport services
65	Freight transport services
66	Rental services of transport vehicles with operators
67	Supporting transport services
68	Postal and courier services
69	Electricity, gas and water distribution (on own account)
7	Financial and related services; real estate services; and rental and leasing services
71	Financial and related services
72	Real estate services
73	Leasing or rental services without operator
8	Business and production services
81	Research and development services
82	Legal and accounting services
83	Professional, technical and business services (except research, development, legal and accounting services)
84	Telecommunications, broadcasting and information supply services
85	Support services
86	Support and operation services to agriculture, hunting, forestry, fishing, mining and utilities
87	Maintenance, repair and installation (except construction) services
88	Manufacturing services on physical inputs owned by others
89	Other manufacturing services; publishing, printing and reproduction services; materials recovery services

9	Community, social and personal services
91	Public administration and other services provided to the community as a whole; compulsory social security services
92	Education services
93	Human health and social care services
94	Sewage and waste collection, treatment and disposal and other environmental protection services
95	Services of membership organizations
96	Recreational, cultural and sporting services
97	Other services
98	Domestic services
99	Services provided by extraterritorial organizations and bodies

Coding Systems: HS

The Harmonized Commodity Description and Coding System generally referred to as "Harmonized System" or simply "HS" is a multipurpose international product nomenclature developed by the World Customs Organization (WCO).

The Harmonized Commodity Description and Coding System (HS) is an exhaustive nomenclature of **internationally traded commodities** (goods) classified according to the following criteria:

- raw or basic material
- degree of processing
- use or function
- economic activities

Coding Systems: Unit of Measurement

0101	head
0102	Ha
0103	ton
0104	US\$
0105	local currency
0106	index
0107	thousands
0108	units
0109	cubic meter
0110	kg/capita/yr
0111	Kcal/capita/day
0112	g/capita/day
0113	1000 US\$
0114	Liter
0115	Cubic meter/second

0116	Centimeter
0117	local currency by ton
0118	Degree Celsius
0119	Percentage
0120	MT or Cubic meter
0121	Local currency/hectar
0122	Local currency/1 cubic meter
0123	Kg/Ha
0124	Local currency/Kg
0125	1000 Ha
0126	mm
0127	Square meter
0128	Household
0129	Ton/Ha
0130	Km2
0131	Years
0132	Local currency/dollar

Choose only 1
of the 3 codes

Coding Systems: FLAGS

FLAGS

- ***“e”= Estimated value***
- ***“c”= Calculated value***

FLAG AUTOMATICALLY GENERATED BY THE SYSTEM

- ***“m”= Missing data / Data not existing***

Missing data (data exist but were not collected) / Data do not even hypothetically exist

“m” DATA SHOULD NOT BE ENTERED IN THE SYSTEM BECAUSE IT WILL BE AUTOMATICALLY GENERATED BY THE SYSTEM WHENEVER NEEDED

Coding Systems: GAUL

The Global Administrative Unit Layers (GAUL) is an initiative implemented by FAO within the Bill & Melinda Gates Foundation, Agricultural Market Information System (AMIS) and AfricaFertilizer.org projects.

The GAUL compiles and **disseminates the best available information on administrative units** for all the countries in the world, providing a contribution to the standardization of the spatial dataset representing administrative units. The GAUL always maintains global layers with a unified coding system at country, first (e.g. departments) and second administrative levels (e.g. districts). Where data is available, it provides layers on a country by country basis down to third, fourth and lower levels

Coding Systems: GAUL

The overall methodology consists in

- a) collecting the best available data from most reliable sources
- b) establishing validation periods of the geographic features (when possible)
- c) adding selected data to the global layer based on the last country boundaries map provided by the UN Cartographic Unit (UNCS)
- d) generating codes using GAUL Coding System
- e) distribute data to the users

Coding Systems: GAUL

Because GAUL works at global level, unsettled territories are reported. The approach of GAUL is to deal with these areas in such a way to preserve national integrity for all disputing countries .

GAUL is released **once a year** and the target beneficiary of GAUL data is the UN community and other authorized international and national partners. Data might not be officially validated by authoritative national sources and cannot be distributed to the general public. A disclaimer should always accompany any use of GAUL data.

GAUL keeps track **of administrative units that has been changed, added or dismissed** in the past for political causes. Changes implemented in different years are recorded in GAUL on different layers. For this reason the GAUL product is not a single layer but a group of layers, named "GAUL Set" .

Coding Systems: GAUL

ADM0_NAME	ADM1_CODE	ADM1_NAME	STR1_YEAR	EXP1_YEAR
Afghanistan	99877	Paktika	1000	1994
Afghanistan	297	Parwan	1000	2003
Afghanistan	301	Uruzgan	1000	2003
Afghanistan	272	Badakhshan	1000	3000
Afghanistan	273	Badghis	1000	3000
Afghanistan	274	Baghlan	1000	3000
Afghanistan	275	Balkh	1000	3000
Afghanistan	276	Bamyan	1000	3000
Afghanistan	99878	Daykundi	2004	3000
Afghanistan	277	Farah	1000	3000
Afghanistan	278	Faryab	1000	3000
Afghanistan	279	Ghazni	1000	3000
Afghanistan	280	Ghor	1000	3000
Afghanistan	281	Hilmand	1000	3000
Afghanistan	282	Hirat	1000	3000
Afghanistan	283	Jawzjan	1000	3000

Coding Systems: CountrySTAT Indicators

Domain	code	indicator
Production	0101	Production quantity
	0102	Production value
	0103	Yield
	0104	Area Harvested
	0105	Area sown
	0106	Seeds quantity
Food availability	0201	Protein quantity
	0202	Lipid quantity
	0203	Food supply quantity
Trade	0301	Export quantity
	0302	Export value
	0303	Import quantity
	0304	Import value
	0305	Consumption quantity
	0306	Re-export quantity
	0307	Re-export value
	0308	Re-import quantity
	0309	Re-import value

Machinery	0401	Machines in service
Population	0501	Population
		Economically active
	0502	population
	0503	Population total density
	0504	Population growth Rate
Prices	0505	Life expectancy
	0601	Consumer price
	0602	Producer price
	0603	Commercial rate
	0604	Official rate
	0605	Wholesale price
Value added	0606	Annual average price
	0701	Constant prices
	0702	Current prices

Coding Systems: CountrySTAT Indicators

Land use	0801	Administrative Area	Livestock	1101	Slaughtered animals
	0802	Agricultural area		1102	Live animals
	0803	Arable land		110201	Female Live Animals
		Arable land and permanent crops area		110202	Lactating Animals
	0804	Area equipped for irrigation		110203	Male Live Animals
	0805	Fallow Land		110204	Born Animals
	0806	Forest area		110205	Bought Animals
	0807	Inland water		110206	Animals got as gift
	0808	Land Area		110207	Animals got for caretaking
	0809	Other land		110208	Sold Animals
	0810	Other wooded land		110209	Stolen Animals
	0811	Permanent crops area		110210	Animals given for caretaking
	0812	Permanent meadows and pastures		110211	Animals given as gift
	0813	Temporary crops area		1103	Laying hens
	0814	Temporary meadows and pastures		1104	Dead Animals
Employment	0901	Unemployment Rate		1105	Total Input
	0902	Labour force Participation Rate		1106	Total Output
Water	1001	Average rainfall			
	1002	Max temperature			
	1003	Min temperature			

Coding Systems: CountrySTAT Indicators

National Account	1201	GPD
	1202	GDP growth
	1203	GDP per capita
Fishery	1301	Aquaculture production
	130101	Inland Aquaculture production
	130102	Marine Aquaculture production
	13010201	Industrial Marine Aquaculture production
	13010202	Artisanal Marine Aquaculture production
	130103	Marine/Brackish Aquaculture production
	1302	Capture production
	130201	Inland Capture production
	130202	Marine Capture production
	13020201	Industrial Marine Capture production
	13020202	Artisanal Marine Capture production
	130203	Marine/Brackish Capture production

Coding Systems: Forestry products

code	product		
0101	Recovered Fibre Pulp	0126	Sawlogs+Veneer Logs (C)
0102	Uncoated Mechanical	0127	Pulpwood,Round&Split(C)
0103	Uncoated Woodfree	0128	Pulpwood,Round&Split(NC)
0104	Coated Papers	0129	Sawlogs+Veneer Logs (NC)
0105	Case Materials	0130	Pulpwood+Particles(C)
0106	Folding Boxboard	0131	Pulpwood+Particles(NC)
0107	Wrapping Papers	0132	Pulpwood,Round&Split Trd
0108	Other Papers Packaging	0133	Chips and Particles
0109	Wood Charcoal	0134	Wood Residues
0110	Mechanical Wood Pulp	0135	Other Indust Roundwd(C)
0111	Semi-Chemical Wood Pulp	0136	Other Indust Roundwd Trd
0112	Chemical Wood Pulp	0137	Other Indust Roundwd(NC)
0113	Unbleached Sulphite Pulp	0138	Wood Fuel(C)
0114	Bleached Sulphite Pulp	0139	Wood Fuel(NC)
0115	Unbleached Sulphate Pulp	0140	Wood Fuel Trd
0116	Bleached Sulphate Pulp	0141	Sawnwood (C)
0117	Dissolving Wood Pulp	0142	Sawnwood (NC)
0118	Other Fibre Pulp	0143	Veneer Sheets
0119	Recovered Paper	0144	Plywood
0120	Newsprint	0145	Particle Board
0121	Printing+Writing Paper	0146	Hardboard
0122	Other Paper+Paperboard	0147	MDF
0123	Household+Sanitary Paper	0148	Fibreboard, Compressed
0124	Wrapg+Packg Paper+Board	0149	Insulating Board
0125	Paper+Paperboard NES	0150	Ind Rwd Wir (C)
		0151	Ind Rwd Wir (NC) Tropica
		0152	Ind Rwd Wir (NC) Other

Coding Systems: Fishery products

code	product	code	product	code	product
1	Freshwater fishes	39	Marine fishes not identified	62	Sperm-whales, pilot-whales
11	Carp, barbels and other cyprinids	4	Crustaceans	63	Eared seals, hair seals, walrus
12	Tilapia and other cichlids	41	Freshwater crustaceans	64	Miscellaneous aquatic mammals
13	Miscellaneous freshwater fishes	42	Crabs, sea-spiders	7	Miscellaneous aquatic animals
2	Diadromous fishes	43	Lobsters, spiny-rock lobsters	71	Frogs and other amphibians
21	Sturgeons, paddlefishes	44	King crabs, squat-lobsters	72	Turtles
22	River eels	45	Shrimps, prawns	73	Crocodiles and alligators
23	Salmons, trouts, smelts	46	Krill, planktonic crustaceans	74	Sea-squirrels and other tunicates
24	Shads		Miscellaneous marine		Horseshoe crabs and other arachnids
25	Miscellaneous diadromous fishes	47	crustaceans	75	
3	Marine fishes	5	Molluscs	76	Sea-urchins and other echinoderms
31	Flounders, halibuts, soles	51	Freshwater molluscs	77	Miscellaneous aquatic invertebrates
32	Cods, hakes, haddocks	52	Abalones, winkles, conchs		Miscellaneous aquatic animal
33	Miscellaneous coastal fishes	53	Oysters	8	products
34	Miscellaneous demersal fishes	54	Mussels	81	Pearls, mother-of-pearl, shells
35	Herrings, sardines, anchovies	55	Scallops, pectens	82	Corals
36	Tunas, bonitos, billfishes	56	Clams, cockles, arkshells	83	Sponges
37	Miscellaneous pelagic fishes	57	Squids, cuttlefishes, octopuses	9	Aquatic plants
38	Sharks, rays, chimaeras		Miscellaneous marine	91	Brown seaweeds
		58	molluscs	92	Red seaweeds
			Whales, seals and other	93	Green seaweeds
		6	aquatic mammals	94	Miscellaneous aquatic plants
		61	Blue-whales, fin-whales		

Coding Systems: Scientific Fishery products

code	dimensions
1400100101	Cycleptus elongatus
1400100201	Deltistes luxatus
1400100401	Catostomus catostomus
1400100402	Catostomus commersoni
1400100403	Catostomus latipinnis
1400100404	Catostomus macrocheilus
1400100405	Catostomus tahoensis
1400100601	Moxostoma congestum
1400100602	Moxostoma erythrurum
1400100603	Moxostoma macrolepidotum
1400100901	Lagochila lacera
1400101101	Ictiobus cyprinellus
1400102001	Myxocyprinus asiaticus
1400102901	Carpiodes carpio
1400110601	Xyrauchen texanus
1400112001	Chasmistes cujus
1400112801	Minytrema melanops
1400112901	Erimyzon sucetta
1400113701	Hypentelium nigricans

1400200102	Abramis brama
1400200201	Cyprinus carpio
1400200202	Cyprinus pellegrini
1400200401	Aaptosyax grypus
1400200501	Abbottina rivularis
1400200601	Acanthalburnus microlepis
1400200701	Tinca tinca
1400200801	Acapoeta tanganyicae
1400201201	Alburnus alburnus
1400201202	Alburnus albidus
1400201301	Barbus barbus
1400201302	Barbus meridionalis
1400201303	Barbus canis
1400201304	Barbus aeneus
1400201305	Barbus capensis
1400201307	Barbus haasi
1400201308	Barbus holotaenia
1400201309	Barbus johnstonii
1400201310	Barbus macrotaenia
1400201311	Barbus neumayeri

....etc

Coding Systems: Attributes

Gender

code	dimensions
5001	Female
5002	Male
5003	Unspecified
5004	Total

Agricultural population

code	dimensions
6001	Agricultural
6002	Non agricultural
6003	Unspecified
6004	Total

Residence

code	dimensions
7001	Rural
7002	Urban
7003	Unspecified
7004	Total

Food

code	dimensions
9001	Food
9002	Non Food
9003	Unspecified
9004	Total

Coding Systems: Attributes



Coding Systems: Attributes – DAC: Sector

DAC 5 CODE	DESCRIPTION
110	EDUCATION
111	Education, level unspecified
112	Basic education
113	Secondary education
114	Post-secondary education
120	HEALTH
121	Health, general
122	Basic health
130	POPULATION POLICIES/PROGRAMMES AND REPRODUCTIVE HEALTH
140	WATER SUPPLY AND SANITATION
150	GOVERNMENT AND CIVIL SOCIETY
151	Government and civil society, general
152	Conflict prevention and resolution, peace and security
160	OTHER SOCIAL INFRASTRUCTURE AND SERVICES
210	TRANSPORT AND STORAGE
230	ENERGY GENERATION AND SUPPLY
240	BANKING AND FINANCIAL SERVICES
250	BUSINESS AND OTHER SERVICES
310	AGRICULTURE+FORESTRY+FISHERY
311	AGRICULTURE

Country-specific Coding Systems

- If a country has its own specific Coding System, it can be added to the CountrySTAT/FENIX list
- The CountrySTAT/FENIX team is working on the **conversion tool** to allow automatic conversion between different Coding Systems



the country will be responsible for matching its coding systems with the existing ones