

# CountrySTAT / FENIX

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

REFRESHER TRAINING OF FOCAL POINTS
ON THE CountrySTAT/FENIX SYSTEM



#### **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

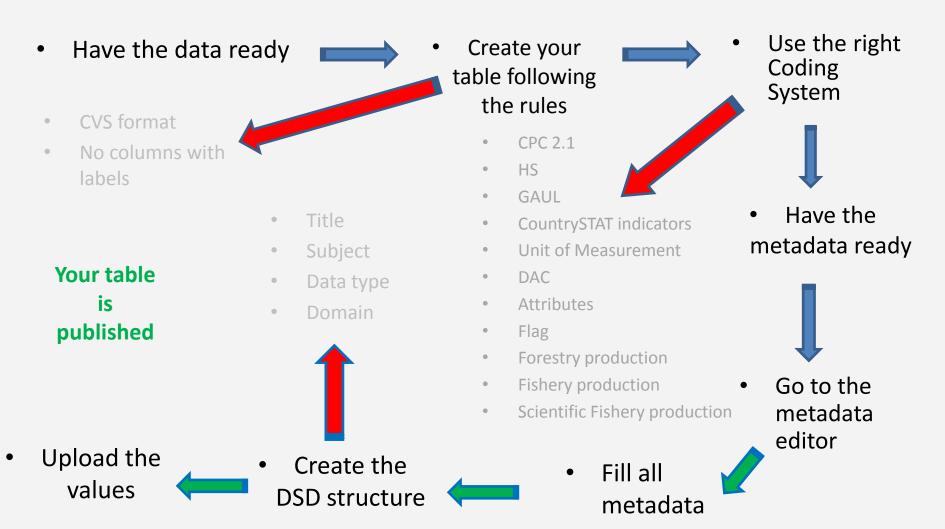
Coding System: Fishery products

Coding System: Scientific Fishery products

Coding System: Country specific



#### **Work flow**





## **Coding Systems**

CPC 2.1

For goods and services <u>GAUL</u>

For geo data

<u>HS</u>

For trade data CountrySTAT indicators

For all indicators

<u>UM</u>

Unit of measurement Attributes

Characteristics of the indicators

<u>Flags</u>

To indicate missing and Forestry products

estimated values

Fishery products

<u>DAC</u>

For sectors <u>Scientific Fishery products</u>





# **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
  - <u>17</u> Electricity, town gas, steam and hot water
  - 18 Natural water
- <u>2</u> Food products, beverages and tobacco; textiles, apparel and leather products
  - <u>21</u> Meat, fish, fruits, vegetables, oils and fats
  - <u>22</u> Dairy products and egg products
  - 23 Grain mill products, starches and starch products; other food products
  - 24 Beverages
  - 25 Tobacco products
  - <u>26</u> 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



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, appar 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
	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			
	53	Constructions			



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	На	
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	1

Choose only 1 of the 3 codes

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





## **Coding Systems: FLAGS**

#### **FLAGS**

- "e"= Estimated value
- "c"= Calculated value

#### FLAG AUTOMATICALLY GENERETED 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



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 lowers levels



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



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".



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



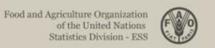


#### **Coding Systems: CountrySTAT Indicators**

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

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





#### **Coding Systems: CountrySTAT Indicators**

Land use Employment	0801 0802 0803 0804 0805 0806 0807 0808 0809 0810 0811 0812 0813 0814 0815 0901 0902	Administrative Area Agricultural area Arable land Arable land and permanent crops area Area equipped for irrigation Fallow Land Forest area Inland water Land Area Other land Other wooded land Permanent crops area Permanent meadows and pastures Temporary crops area Temporary meadows and pastures Unemployment Rate Labour force Participation Rate Average rainfall	Livestock	110202 110203 110204 110205 110206 110207 110208 110209 110210	Slaughtered animals Live animals Female Live Animals Lactating Animals Male Live Animals Born Animals Bought Animals Animals got as gift Animals got for caretaking Sold Animals Stolen Animals Animals given for caretaking Animals given as gift Laying hens Dead Animals
Water	1001 1002 1003	Max temperature Min temperature		1105 1106	Total Input Total Output





#### **Coding Systems: CountrySTAT Indicators**

	1201	GPD
National Account	1202	GDP growth
	1203	GDP per capita
	1301	Aquaculture production
	130101	Inland Aquaculture production
	130102	Marine Aquaculture production
	13010201	Industrial Marine Aquaculture production
	13010202	Artisanal Marine Aquaculture production
Fishery	130103	Marine/Brackish Aquaculture production
risilery	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

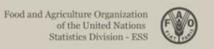




#### **Coding Systems: Forestry products**

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

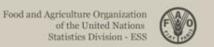




#### **Coding Systems: Fishery products**

code	product	39	Marine fishes not identified		
1	Freshwater fishes	4	Crustaceans	62	Snorm whales pilet whales
11	Carps, barbels and other cyprinids	41	Freshwater crustaceans	UΖ	Sperm-whales, pilot-whales
12	Tilapias and other cichlids	42	Crabs, sea-spiders	63	Eared seals, hair seals, walruses
13	Miscellaneous freshwater fishes	43	Lobsters, spiny-rock lobsters	64	Miscellaneous aquatic mammals
2	Diadromous fishes	44	King crabs, squat-lobsters	7 71	Miscellaneous aquatic animals Frogs and other amphibians
	Sturgeons, paddlefishes	45	Shrimps, prawns	71 72	Turtles
21	River eels	46	Krill, planktonic crustaceans Miscellaneous marine	73	Crocodiles and alligators
22	Salmons, trouts, smelts	47	crustaceans	74	Sea-squirts and other tunicates
23	Shads	4 <i>7</i> 5	Molluscs	75	Horseshoe crabs and other arachnoids
24		5 51	Freshwater molluscs	76	Sea-urchins and other echinoderms
25	Miscellaneous diadromous fishes	52	Abalones, winkles, conchs	77	Miscellaneous aquatic invertebrates
3	Marine fishes	53	Oysters	8	Miscellaneous aquatic animal products
31	Flounders, halibuts, soles	54	Mussels	81	Pearls, mother-of-pearl, shells
32	Cods, hakes, haddocks	55	Scallops, pectens	82	Corals
33	Miscellaneous coastal fishes	56	Clams, cockles, arkshells	83	Sponges
34	Miscellaneous demersal fishes	57	Squids, cuttlefishes, octopuses	9 91	Aquatic plants Brown seaweeds
35	Herrings, sardines, anchovies		Miscellaneous marine	92	Red seaweeds
36	Tunas, bonitos, billfishes	58	molluscs	93	Green seaweeds
37	Miscellaneous pelagic fishes	C	Whales, seals and other aquatic mammals	94	Miscellaneous aquatic plants
38	Sharks, rays, chimaeras	6 61	Blue-whales, fin-whales		
30	, ,	01	Diac Whales, illi 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 tanganicae
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



#### **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**

Field management

7	code	dimensions
	8001	Rainfed
	8002	Irrigated
	8003	Cultivated
	8004	Cultivated and irrigated
	8005	Natural Growth
	8006	Organic
	8007	Certified organic
	8008	In conversion to organic
	8009	Unspecified
	8010	Total





#### **Coding Systems: Attributes - DAC: Sector**

OAC 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