IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
A. Inland water stocks
A.1. Surface water stocks
A.1.1. In artificial reservoirs
A.1.2. In lakes
A.1.3. In rivers and streams
A.1.4. In wetlands
A.1.5. In snow, ice and glaciers
A.2. Groundwater stocks
B. Inflow of water to a territory´s inland water resources
B.1. Precipitation
B.2. Inflow of water from neighboring territories
B.2.1. Secured through treaties
B.2.2. Not secured through treaties
C. Outflow of water from a territory's inland water resources
C.1. Evapotranspiration from inland water resources
C.1.1. Evaporation
C.1.2. Transpiration from plants
C.2. Outflow of water to neighboring territories and the sea
C.2.1. To neighbouring territories
C.2.1.1. Secured by treaties
C.2.1.2. Not secured by treaties
C.2.2. To the sea
D. Natural transfers between other resources in the territory
D.1. From surface water to groundwater
D.2. From groundwater to surface water
D.3. Between surface water resources
D.4. Between groundwater resources
E. Abstraction of water
E.1. From inland water resources
E.1.1. From surface water
E.1.1.1. From artificial reservoirs
E.1.1.2. From lakes
E.1.1.3. From rivers
E.1.1.4. From wetlands

400 Data items
English

Data item with codes
E.1.1.5. From snow, ice and glaciers
E.1.2. From groundwater
E.1.3. From soil water
E.2. Collection of precipitation
E.3. Abstraction from the sea
E.a. For own use
E.b. For distribution
F. Water supplied to economic units
F.1. Water supplied by resident economic units to resident economic units
F.2. Water exported to other territories (water exports)
F.3. Wastewater supplied by resident economic units to resident economic units
F.3.1. For treatment or disposal
F.3.2. For further use
F.4. Wastewater exported to the rest of the world (wastewater exports)
F.4.1. For treatment or disposal
F.4.2. For further use
G. Water received by economic units
G.1. Water received by resident economic units from resident economic units
G.2. Water imported by resident economic units from the rest of the world (water imports)
G.3. Wastewater received by resident economic units from resident economic units
G.3.1. For treatment or disposal
G.3.2. For further use
G.4. Wastewater received from the rest of the world (wastewater imports)
G.4.1. For treatment or disposal
G.4.2. For further use
H. Returns of water to the environment by economic units
H.1. To inland water resources
H.1.1. To surface water
H.1.1.1. To artificial reservoirs
H.1.1.2. To lakes
H.1.1.3. To rivers
H.1.1.4. To wetlands
H.1.1.5. To snow, ice and glaciers
H.1.2. To groundwater

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

Data item with codes
H.2. To the sea
H.3. To land
H.a. Returns of water to the environment after treatment by economic units
H.a.1. After primary treatment
H.a.2. After secondary treatment
H.a.3. After tertiary treatment
H.b. Returns of water to the environment without treatment
I. Losses of water
I.1. Losses of water (CPC Ver.2 18000) in distribution
I.2. Losses of water sent to treatment or disposal for collection
J. Waterborne emissions to other economic units
J.1. Waterborne emissions supplied by resident economic units to resident economic units
J.2. Exports of waterborne emissions
J.3. Imports of waterborne emissions
K. Waterborne emissions to the environment
K.1. From point sources to the environment
K.1.1. To inland water resources
K.1.1.1. To surface water
K.1.1.2. To groundwater
K.1.1.a. After on-site treatment
K.1.1.b. Without on-site treatment
K.1.2. To the sea
K.1.2.a. After on-site treatment
K.1.2.b. Without on-site treatment
K.1.3. To land
K.2. From diffuse sources to the environment
K.2.1. To inland water resources
K.2.1.1. To surface water
K.2.1.2. To groundwater
K.2.2. To the sea
K.2.3. To land
L. Value and costs of water and sewerage services
L.1. Value of shipments/sales/turnover (IRIS 5.1)
L.1.1. Value of water sales (CPC 18000)
L.1.1.1. To resident economic units

Data item with codes
L.1.1.2. To the rest of the world (export of water)
L.1.2. Value of sales of sewerage services (CPC 94100)
L.1.2.1. To resident economic units
L.1.2.2. To the rest of the world (export of sewerage services)
L.2. Compensation of employees (IRIS 3.1)
L.2.1. Compensation of employees related to water supply activities
L.2.2. Compensation of employees related to sewerage service activities
L.3. Purchases of goods and services (Combined IRIS 4.1, 4.2, 4.4, 4.6 and 4.7)
L.3.1. Purchases of goods and services related to water supply activities
L.3.2. Purchases of goods and services related to sewerage service activities
L.4. Purchases of water (IRIS 4.3.1)
L.4.1. Purchases of water from resident economic units
L.4.2. Purchases of water from the rest of the world (import of water)
L.5. Purchases of sewerage services (IRIS 4.3.2)
L.5.1. Purchases of sewerage services from resident economic units
L.5.2. Purchases of sewerage services from the rest of the world (import of sewerage service)
M. Taxes
M.1. Taxes (IRIS 7.1)
M.1.1. Taxes on products
M.1.1.1. Taxes on water supplied
M.1.1.2. Taxes on sewerage services
M.1.2. Other production taxes (IRIS 7.1.1)
M.1.2.1. Other production taxes related to water supply
M.1.2.2. Other production taxes related to sewerage services
N. Subsidies and investment grants
N.1. Subsidies received (IRIS 7.2)
N.1.1. Subsidies on products (IRIS 7.2.1)
N.1.1.1. Subsidies for water
N.1.1.2. Subsidies for sewerage services
N.1.2. Other subsidies on production (IRIS 7.2.2)
N.1.2.1. Other subsidies for water
N.1.2.2. Other subsidies for sewerage services
N.2. Investment grants (i.e. capital transfers)
N.2.1. Investment grants related to water supply
N.2.2. Investment grants related to sewerage services
O. Assets and investment

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

Data item with codes
O.1. Gross value of fixed assets (IRIS 11.1)
O.1.1. Gross value of fixed assets for water supply
O.1.2. Gross value of fixed assets for sewerage services
P. Capital expenditure
P.1. Capital expenditure (IRIS 11.2)
P.1.1. Capital expenditure for water supply
P.1.2. Capital expenditure for sewerage services
Q. Depreciation
Q.1. Depreciation of assets (IRIS 11.4)
Q.1.1. Depreciation of assets for water supply
Q.1.2. Depreciation of assets for sewerage services
R. Tariffs and charges for water supply and sewerage services
R.1. Volumetric tariffs and charges for water supply
R.2. Fixed charges for water supply
R.3. Volumetric tariffs and charges for sewerage collected
R.4. Fixed charges for sewerage services
S. Main source of drinking water used by populations (MDG)
S.1. Population using improved water sources
S.1.1. Piped water into housing unit/living quarters
S.1.1.1. Connection to water supply network
S.1.1.2. Other piped water into housing unit/living quarters
S.1.2. Public standpipe
S.1.3. Boreholes
S.1.4. Protected dug wells
S.1.5. Protected springs
S.1.6. Rainwater collection (collection of precipitation)
S.1.7. Bottled water (along with other improved sources for hygiene and cooking)
S.2. Population using water from unimproved drinking water sources
S.2.1. Bottled water along with other unimproved water sources for hygiene and cooking
S.2.2. Other drinking water sources
T. Main type of toilet and sewage disposal used by populations (MDG)
T.1. Population using improved sanitation facilities
T.1.1. Flush/pour or flush toilet to piped sewer system
T.1.1.1. Connected to wastewater treatment
T.1.1.2. Not connected to wastewater treatment
T.1.2. Flush/pour or flush toilet to septic tank

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
T.1.3. Flush/pour or flush toilet to pit
T.1.4. Ventilated Improved Pit (VIP) latrine
T.1.5. Pit latrine with slab
T.1.6. Composting toilet/latrine
T.2. Population using unimproved sanitation facilities
A.2. Groundwater stocks
A.2.a. Confined
A.2.b. Unconfined
A.2.i. Renewable
A.2.ii Non-renewable
A.3. Soil water stocks
B.1. Precipitation
B.1.a. To run-off (i.e. surface run-off)
B.1.a.a. Urban run-off
B.1.a.b. Other run-off
B.2.1. Inflows of water from neighbouring territories secured through treaties
B.2.1.a. Secured through treaties
B.2.1.a.a. Of which surface water
B.2.1.a.b. Of which groundwater
B.2.2. Not secured through treaties
B.2.2.a. But submitted to treaties
B.2.2.a.a. Of which surface water
B.2.2.a.b. Of which groundwater
B.2.2.b. And not submitted to treaties
B.2.2.b.a. Of which surface water
B.2.2.b.b. Of which groundwater
C. Outflow of water from a territory's inland water resources
C.1. Evapotranspiration from inland water resources
C.1.1. Evaporation
C.1.1.a. From surface water
C.1.1.b. From soils
C.1.2. Transpiration from plants
C.1.3. Transpiration from animals and people
C.2. Outflow of water to neighbouring territories and the sea
C.2.1. To neighbouring territories
C.2.1.1. Secured through treaties

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
C.2.1.1.a. Secured through treaties
C.2.1.1.a.a Of which surface water
C.2.1.1.a.b Of which groundwater
C.2.1.2. Not secured through treaties
C.2.1.2.a. But submitted to treaties
C.2.1.2.a.a Of which surface water
C.2.1.2.a.b Of which groundwater
C.2.1.2.b. And not submitted to treaties
C.2.1.2.b.a Of which surface water
C.2.1.2.b.b Of which groundwater
C.2.2. To the sea
C.2.2.a. Outflows of surface water to the sea
C.2.2.b. Outflows of groundwater to the sea
D. Natural transfers with other resources in the territory
D.1. From surface water to groundwater
D.1.a. From artificial reservoirs to groundwater
D.1.b. From lakes to groundwater
D.1.c. From rivers to groundwater
D.1.d. From wetlands to groundwater
D.1.e. From snow, ice and glaciers to groundwater
D.2. From groundwater to surface water
D.2.a. From groundwater to artificial reservoirs
D.2.b. From groundwater to lakes
D.2.c. From groundwater to rivers
D.2.d. From groundwater to wetlands
D.2.e. From groundwater to snow, ice and glaciers
D.3. Between surface water resources
D.3.a. From artificial reservoirs to other surface water resources
D.3.b. From lakes to other surface water resources
D.3.c. From rivers to other surface water resources
D.3.d. From wetlands to other surface water resources
D.3.e. From snow, ice and glaciers to other surface water resources
D.3.i. From other surface water resources to artificial reservoirs
D.3.ii. From other surface water resources to lakes
D.3.iii. From other surface water resources to rivers
D.3.iv. From other surface water resources to wetlands

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
D.3.v. From other surface water resources to snow, ice and glaciers
D.4. Between groundwater resources
D.5. From soil water to surface water
D.6. From soil water to groundwater
D.7. From surface water to soil water
D.8. From groundwater to soil water
E.1.2. Abstraction of water from groundwater
E.1.2.a. From confined aquifers
E.1.2.b. From unconfined aquifers
E.1.2.i. From renewable groundwater
E.1.2.ii From non-renewable groundwater
E.a. Abstractions of water for own use
E.a.a. Abstractions of water for hydroelectric power generation
E.a.b. Abstractions of water for irrigation
E.a.b.a. From inland water resources
E.a.b.a.a. From surface water
E.a.b.a.b. From groundwater
E.a.c. Abstractions of water for mining
E.a.d. Urban run-off
E.a.e. Abstractions of water for cooling water
E.a.f. Abstractions of water for desalinization
E.a.f.a. From inland water resources
E.a.f.a.a. From surface water
E.a.f.a.b. From groundwater
E.a.f.b. From the sea
E.a.g. Abstractions of water for other own use
F. Water (CPC, Ver. 2, 18000) supplied to other economic units
F.a. After being used for hydroelectric power generation
F.b. After being used for irrigation
F.c. After being abstracted from a mine
F.d. After being collected as urban run-off
F.e. After being used as cooling water
F.f. After being used for other purposes
H. Returns of water to the environment by economic units
H.i. From hydroelectric power generation
H.ii Of irrigation water

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
H.ii From mining
H.iv From urban run-off
H.v. Of cooling water
H.vi After being used for other purposes
I. Losses of water
I.1. Losses of water in distribution
I.1.a. Due to theft
I.1.b. Due to leakage
I.1.c. Due to burst mains
I.1.d. Due to evaporation
I.1.e. Due to meter errors
I.1.f. Unaccounted losses
I.2. Losses of water sent for treatment or disposal in collection
1. Number of artificial reservoirs
1.1. Number of large artificial reservoirs
1.2. Number of other artificial reservoirs
2. Artificial reservoir capacity
2.1. Large artificial reservoir capacity
2.2. Other artificial reservoir capacity
3. Freshwater supply capacity
4. Freshwater treatment capacity
5. Length of water distribution network
6. Number of water connections
6.1. Number of active water connections
6.1.1. With an operating meter
6.1.2. Without an operating meter
6.2. Number of inactive water connections
6.1.2. With a functional meter
6.2.2. Without a functional meter
7. Number of establishments engaged in water supply activities
7.1. As a principal activity (i.e., ISIC 36)
7.2. As a secondary activity
8. Number of employees engaged in water collection, treatment and supply activities
8.1. For establishments engaged in water supply as a principal activity (i.e., ISIC 36)
8.2. For establishments engaged in water supply as a secondary activity
9. Wastewater collection design capacity

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

Data item with codes
10 Wastewater treatment capacity (volume of water)
10.1 Primary wastewater treatment capacity (volume of water)
10.2 Secondary wastewater treatment capacity (volume of water)
10.3 Tertiary wastewater treatment capacity (volume of water)
11 Wastewater treatment emission removal capacity
12 Length of sewer system(s)
13 Number of sewer connections
13.1 Connected to primary wastewater treatment
13.2 Connected to secondary wastewater treatment
13.3 Connected to tertiary wastewater treatment
14 Number of establishments engaged in sewerage activities
14.1 As a principal activity (i.e., ISIC 37)
14.2 As a secondary activity
15 Number of wastewater treatment plants
16 Number of establishments that collect and dispose of wastewater without treatment
17 Number of employees engaged in sewerage activities
17 For establishments engaged in sewerage as a principal activity (i.e., ISIC 37)
17 For establishments engaged in sewerage as a secondary activity
18 Water use
19 Recycled water
20 Desalinated water
21 Licensed abstraction of water
21.1 From inland water resources
21.1.1 From surface water
21.1.1.1 From artificial reservoirs
21.1.1.2 From lakes
21.1.1.3 From rivers
21.1.1.4 From wetlands
21.1.1.5 From snow, ice and glaciers
21.1.2 From groundwater
21.2 From other sources
21.2.1 From collection of precipitation
21.2.2 From the sea
22 Use of bottled water (CPC 24410)
22.1 By domestic users

400 Data items
English

Data item with codes
22.2 Exported to the rest of the world
23 Supply of bottled water (CPC 24410)
23.1 From domestic production
23.2 Imported from the rest of the world
24 Licensed discharge of water to the environment
24.1 To inland water resources
24.1.1 To surface water
24.1.1.1 To artificial reservoirs
24.1.1.2 To lakes
24.1.1.3 To rivers
24.1.1.4 To wetlands
24.1.1.5 To snow, ice and glaciers
24.1.2 To groundwater
24.2 To the sea
24.3 To land
25 Land drained
25.1 That is cultivated
25.1.1 And irrigated
25.1.2 And not irrigated
25.2 That is not cultivated
26 Land area irrigated
26.1 Using full control irrigation
26.1.1 Using surface irrigation
26.1.2 Using sprinkler irrigation
26.1.3 Using localized irrigation
26.2 Using lowland irrigation techniques
26.3 Using floodwater harvesting
27 Land area using flood recession cropping
28 Annual volumetric water abstraction fees
29 Other water abstraction fees
30 Annual volumetric fees for discharges of water to the environment
31 Other water discharge fees
32 Volumetric water abstraction fees collected
33 Other water abstraction fees collected
34 Volumetric fees collected for water discharged to the environment
35 Other fees collected for water discharged to the environment

IRWS DATA ITEMS, INCLUDING SUPPLEMENTARY DATA ITEMS

7-May-12

400 Data items
English

Data item with codes
36 Price of transferable water rights
37 Price of water leases
38 Population with water supplied by economic units
38.1 Population supplied by the water supply industry (ISIC 36)
38.2 Population supplied by economic units engaged in water supply as a secondary activity
39 Population with wastewater collected by economic units
39.1 Population with wastewater collected by the sewerage industry (ISIC 37)
39.2 Population with wastewater collected by economic units engaged in sewerage as a secondary activity
40 Population with independent wastewater treatment
40.1 Population not connected to wastewater collection or treatment