

# Exercise EGSS



Statistics  
Netherlands

# Calculate green employment

- Employment in the EGSS is a key indicator that can be used for various policies
- Calculate based on two of tables with data and some additional information the employment in the EGSS

# Table 1: SNA data

2010	Labour input of employed pe Output	
	1 000 years of employment	mln euros
<b>A-U All economic activities</b>	6719	1025466
<b>A Agriculture, forestry and fishing</b>	180	24563
<i>of which</i> <b>Agriculture</b>	110	12290
<b>Fishing</b>	30	4398
<b>Forestry</b>	40	7875
<b>B Mining and quarrying</b>	7	19317
<b>C Manufacturing</b>	766	238809
<i>of which</i> <b>10-12 Manufacture of food and beverages</b>	116	50777
<b>17 Paper</b>	23	5876
<b>19 Manufacture of coke and petroleum</b>	6	26899
<b>20-21 Chemistry and pharmaceuticals</b>	60	43039
<b>26-27 Elektrical and electron. Industry</b>	59	15431
<b>28 Manufacture of machinery n.e.c.</b>	70	17899
<b>29-30 Transport equipment</b>	38	11353
<b>D Electricity and gas supply</b>	25	29590
<b>E Water supply and waste management</b>	36	11002
<i>of which</i> <b>36 Water supply</b>	6	1506
<b>37-38 Waste and wastewater management</b>	23	7021
<b>38.3 Recycling</b>	7	2475
<b>F Construction</b>	456	65960
<b>G-I Trade, transport, hotels, catering</b>	1588	179064
<i>of which</i> <b>road transport</b>	187	26876
<b>J Information and communication</b>	229	50490
<b>K Financial institutions</b>	238	76211
<b>L Renting, buying, selling real estate</b>	63	53960
<b>M-N Business services</b>	1010	99968
<b>O-Q Government and care</b>	1787	156632
<b>R-U Culture, recreation, other services</b>	334	21703

## Table 2: Production data

CPC		Production
	<i>million euro</i>	
<b>02.20.14</b>	Fuel wood	287
<b>17</b>	Paper and paper products	5286
<b>20.14</b>	Biofuels	498
<b>24.5</b>	Steel needed for building windmills	845
<b>27.5</b>	Energy efficient refrigerators (highest standard)	934
<b>28.11.22</b>	Hydraulic turbines and water wheels	285
<b>28.11.24</b>	Wind turbines	798
<b>29</b>	Electric cars	374
<b>38.21</b>	Treatment and disposal services of non-hazardous waste	2476
<b>38.22</b>	Treatment and disposal services of hazardous waste	4287
<b>42.22.23</b>	Construction works for power plants	1365
<b>43.29.11</b>	Insulation works	2412
	Rail transport	8349
<b>74.90.13</b>	Environmental consulting services	1639

# Additional information

- 50 percent of all specialised environmental protection services relate to waste and waste water management are supplied by the government
- 15 percent of all energy produced by ISIC 35 is renewable
- 10 percent of agriculture is organic farming
- 17 percent of all paper is recycled (i.e. reused in the paper industry)
- 80 percent of all fuel wood complies with Forest Stewardship Council (FSC) and the Programme for the Endorsement of Forest Certification (PEFC) standards
- In the ministry for the environment work 1000 people (fte), in the ministry for infrastructure work 1200 people (fte)

# Exercise table

	Employment in EGSS <i>1000fte</i>
<b>A-U All economic activities</b>	
<b>A Agriculture, forestry and fishing</b>	
<b>B Mining and quarrying</b>	
<b>C Manufacturing</b>	
<b>D Electricity and gas supply</b>	
<b>E Water supply and waste management</b>	
<b>F Construction</b>	
<b>G-I Trade, transport, hotels, catering</b>	
<b>J Information and communication</b>	
<b>K Financial institutions</b>	
<b>L Renting, buying, selling real estate</b>	
<b>M-N Business services</b>	
<b>O-Q Government and care</b>	
<b>R-U Culture, recreation, other services</b>	
<b>Total</b>	

# Solution



# Solution 1

CPC	million euro	Production	% EGS	EGSS output	employment/ output	labour
<b>02.20.14</b>	<b>Fuel wood</b>	287 adapted goods	80	229,6	0,0051	1,16622
<b>17</b>	<b>Paper and paper products</b>	5286 adapted goods	17	898,62	0,0039	3,5174
<b>20.14</b>	<b>Biofuels</b>	498 adapted goods	100	498	0,0014	0,69425
<b>24.5</b>	<b>Steel needed for building windmills</b>	845	0	0		
<b>27.5</b>	<b>Energy efficient refrigerators (highest standard)</b>	934 integrated technologies	100	934	0,0038	3,57112
<b>28.11.22</b>	<b>Hydraulic turbines and water wheels</b>	285 adapted goods	100	285	0,0039	1,11459
<b>28.11.24</b>	<b>Wind turbines</b>	798 integrated technologies	100	798	0,0039	3,12084
<b>29</b>	<b>Electric cars</b>	374 adapted goods	100	374	0,0033	1,25183
<b>38.21</b>	<b>Treatment and disposal services of non-hazardous waste</b>	2476 services env. specific and connected	100	2476	0,0033	8,1111
<b>38.22</b>	<b>Treatment and disposal services of hazardous waste</b>	4287 services env. specific and connected	100	4287	0,0033	14,0437
<b>42.22.23</b>	<b>Construction works for power plants</b>	1365 integrated technologies env. specific and connected	15	204,75	0,0069	1,41549
<b>43.29.11</b>	<b>Insulation works</b>	2412 services	100	2412	0,0069	16,6748
<b>74.90.13</b>	<b>Rail transport</b>	8349 env. specific and connected	0	0	0,0089	0
	<b>Environmental consulting services</b>	1639 services	100	1639	0,0101	16,5592



# Solution 2

	Direct from SNA	Data on production	additional information	total
<i>1000fte</i>				
<b>A Agriculture, forestry and fishing</b>		1,2	18,0	19,2
<b>B Mining and quarrying</b>				0,0
<b>C Manufacturing</b>		13,3		13,3
<b>D Electricity and gas supply</b>			3,8	3,8
<b>E Water supply and waste management</b>	30,0			30,0
<b>F Construction</b>		18,1		18,1
<b>G-I Trade, transport, hotels, catering</b>				0,0
<b>J Information and communication</b>				0,0
<b>K Financial institutions</b>				0,0
<b>L Renting, buying, selling real estate</b>				0,0
<b>M-N Business services</b>		16,6		16,6
<b>O-Q Government and care</b>			24,0	24,0
<b>R-U Culture, recreation, other services</b>				0,0
<b>Total</b>				124,8
			Percentage of total employment	1,9

