

## Exercise EGSS

### 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	in euros
AU All economic activities	6719	1025466
A Agriculture, forestry and fishing	180	24563
<i>of which</i> Agriculture	110	12290
Fishing	30	4398
Forestry	40	7875
B Mining and quarrying	7	19317
C Manufacturing	766	238809
<i>of which</i> 10-12 Manufacture of food and beverages	116	50777
17 Paper	23	5876
19 Manufacture of coke and petroleum	6	26899
20-21 Chemistry and pharmaceuticals	60	43039
26-27 Electrical and electron. Industry	59	15431
28 Manufacture of machinery n.e.c.	70	17899
29-30 Transport equipment	38	11353
D Electricity and gas supply	25	29590
E Water supply and waste management	36	11002
<i>of which</i> 36 Water supply	6	1506
37-38 Waste and wastewater management	23	7021
38.3 Recycling	7	2475
F Construction	456	65960
G-I Trade, transport, hotels, catering	1598	179064
<i>of which</i> road transport	187	26876
J Information and communication	229	50490
K Financial institutions	238	76211
L Renting, buying, selling real estate	63	53960
M-N Business services	1010	99968
O-Q Government and care	1787	156632
R-U Culture, recreation, other services	334	21703

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Table 2: Production data

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

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## 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)

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## Exercise table

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

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## Solution

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## Solution 1

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

## Solution 2

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

