

A Methodology for Carbon Footprint Estimations of Research Project Activities – A Scenarios Analysis for Reducing Carbon Footprint

This supplement provides Tables regarding the activity data used in the methodology of CF.

Table S1. Average annual energy use per employee (in kWh/Personyear) for heating purposes.

Country	Energy Use (kWh/Personyear)
Albania	1215.8
Bosnia & Herzegovina	1215.8
Croatia	822.5
Cyprus	1362.2
EU	1215.8
France	1255.7
Greece	1085.0
Italy	3137.6
Malta	495.7
Montenegro	1215.8
Portugal	569.6
Slovenia	1376.6
Spain	818.2
Bulgaria	1215.8
North Macedonia	1215.8

Table S2. Average annual electricity consumption per employee (in kWh/Personyear) for heating purposes.

Country	Electricity Consumption (kWh/Personyear)
Albania	2823
Bosnia & Herzegovina	2823
Croatia	5742
Cyprus	2823
EU	2823
France	4846
Greece	2823
Italy	4549
Malta	3804
Montenegro	2823
Portugal	3518
Slovenia	2823
Spain	4482
Bulgaria	2823
North Macedonia	2823

Table S3. Average annual amount of material used or wasted (glass, food and drink, aluminum cans, plastics, paper) (in tn/PersonYear) per employee in offices.

Type of Material	Material Used (tn/Personyear)	Material Wasted (tn/Personyear)
Glass	0.006	0.006
Food and drink	0.21	0.042
Aluminium cans	0.006	0.006
Plastics	0.014	0.014
Paper	0.12	0.12

Table S4. Percentage distribution (%) of materials wasted by type of disposal per country.

Country	Glass		Aluminum Cans		Plastics		Paper	
	Recycling	Landfill	Recycling	Landfill	Recycling	Landfill	Recycling	Landfill
Albania	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8
Bosnia & Herzegovina	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8
Croatia	60.5	39.5	20.5	79.5	37.3	62.7	93.7	6.3
Cyprus	46.3	53.7	100	0.0	54.3	45.7	97.9	2.1
EU	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8
France	76.2	23.8	87.1	12.9	26.9	73.1	92.1	7.9
Greece	32.9	67.1	71.7	28.3	39.8	60.2	91.5	8.5
Italy	73.4	26.6	77.6	22.4	43.4	56.6	80	20.0
Malta	41.4	58.6	68.2	31.8	11.1	88.9	48.4	51.6
Montenegro	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8
Portugal	51.3	48.7	42.5	57.5	33.9	66.1	66.8	33.2
Slovenia	100	0.0	64.3	35.7	48.8	51.2	81.2	18.8
Spain	76.8	23.2	84	16.0	50.7	49.3	72.5	27.5
Bulgaria	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8
North Macedonia	75.8	24.2	82.9	17.1	41.4	58.6	84.2	15.8

Table S5. Percentage distribution (%) of food and drink wasted by type of disposal.

Country/ Type of Disposal	Composting	Anaerobic Digestion	Landfill
Albania	25	25	50
Bosnia & Herzegovina	3	3	94
Croatia	1	15	84
Cyprus	2	2	96
EU	25	25	50
France	25	25	50
Greece	7	0	93
Italy	38	22	40
Malta	25	25	50
Montenegro	25	25	50
Portugal	4	6	90
Slovenia	20	60	20
Spain	6	2	92
Bulgaria	9	9	82
North Macedonia	50	0	50

Table S6. Percentage distribution (%) of international/national travels in Europe by transport mode.

Type of Destination/ Travel mode	Car	Bus	National Rail	International Rail	Ferries	Airplanes	Other
International	19.6	3.6	-	8.2	1.3	65.9	1.3
National	57.6	3.7	27.8	-	0.7	8.3	1.8

Table S7. Percentage distribution of travels by main travel mode (car, motorbike, bus, taxi, national rail, light rail and tram/underground, cycling, walking and other).

Country	Car	Motorbike	Bus	Taxi	National Rail	Light Rail /Tram/Underground	Cycling	Walking	Other
Albania	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Bosnia & Herzegovina	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Croatia	72.94	0.09	9.88	0.36	2.75	4.96	2.05	4.49	2.49
Cyprus	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
EU	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
France	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Greece	60.09	7.00	11.48	1.28	0.08	12.81	0.46	5.77	1.03
Italy	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Malta	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Montenegro	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Portugal	70.16	1.34	10.80	0.43	5.14	4.04	0.54	5.82	1.74
Slovenia	80.55	0.24	6.76	0.24	1.30	0.00	3.31	6.46	1.13
Spain	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
Bulgaria	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24
North Macedonia	66.59	1.24	10.32	0.58	5.04	4.76	4.38	4.85	2.24