



Research article

Are we doing the same? A worldwide analysis of business commitment to the SDGs

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Table 1. 17 SDGs for European countries; averages and improvement for the year 2021.

Country	Improvement	SDG1	SDG2	SDG3	SDG4	SDG5	SDG6	SDG7	SDG8	SDG9	SDG10	SDG11	SDG12	SDG13	SDG14	SDG15	SDG16	SDG17	Average
AUSTRIA	12%	27.3%	9.1%	54.5%	54.5%	36.4%	36.4%	27.3%	63.6%	54.5%	54.5%	27.3%	54.5%	54.5%	27.3%	27.3%	54.5%	45.5%	42%
BELGIUM	13%	16.7%	11.1%	77.8%	50.0%	38.9%	27.8%	44.4%	66.7%	61.1%	33.3%	44.4%	61.1%	77.8%	16.7%	33.3%	38.9%	50.0%	44%
DENMARK	26%	0.0%	13.0%	65.2%	26.1%	69.6%	26.1%	43.5%	82.6%	34.8%	39.1%	13.0%	82.6%	82.6%	21.7%	8.7%	60.9%	26.1%	41%
FINLAND	8%	5.0%	5.0%	30.0%	25.0%	35.0%	30.0%	20.0%	65.0%	60.0%	15.0%	35.0%	60.0%	70.0%	10.0%	25.0%	25.0%	40.0%	33%
FRANCE	16%	32.9%	26.0%	68.5%	54.8%	69.9%	43.8%	52.1%	75.3%	50.7%	49.3%	46.6%	75.3%	79.5%	31.5%	54.8%	43.8%	42.5%	53%
GERMANY	10%	13.2%	13.2%	46.1%	36.8%	40.8%	30.3%	38.2%	55.3%	43.4%	22.4%	28.9%	46.1%	60.5%	11.8%	22.4%	22.4%	30.3%	33%
IRELAND	12%	12.0%	8.0%	32.0%	16.0%	24.0%	24.0%	32.0%	40.0%	40.0%	24.0%	24.0%	44.0%	36.0%	4.0%	8.0%	12.0%	24.0%	24%
ITALY	9%	31.0%	21.4%	57.1%	64.3%	66.7%	31.0%	66.7%	76.2%	54.8%	35.7%	59.5%	78.6%	71.4%	26.2%	38.1%	45.2%	42.9%	51%
LUXEMBOURG	0%	0.0%	0.0%	41.7%	41.7%	41.7%	16.7%	33.3%	25.0%	41.7%	25.0%	41.7%	16.7%	33.3%	8.3%	8.3%	33.3%	33.3%	26%
NETHERLANDS	22%	19.4%	32.3%	64.5%	32.3%	38.7%	22.6%	48.4%	74.2%	41.9%	16.1%	25.8%	80.6%	71.0%	19.4%	16.1%	16.1%	32.3%	38%
NORWAY	8%	12.5%	12.5%	33.3%	25.0%	29.2%	4.2%	20.8%	70.8%	29.2%	8.3%	25.0%	45.8%	75.0%	50.0%	8.3%	25.0%	37.5%	30%
POLAND	6%	28.6%	7.1%	42.9%	42.9%	14.3%	0.0%	14.3%	42.9%	35.7%	21.4%	14.3%	35.7%	35.7%	0.0%	7.1%	14.3%	21.4%	22%
PORTUGAL	19%	45.5%	45.5%	63.6%	72.7%	81.8%	36.4%	90.9%	90.9%	63.6%	36.4%	72.7%	81.8%	90.9%	36.4%	72.7%	54.5%	63.6%	65%
SPAIN	11%	55.0%	40.0%	75.0%	82.5%	72.5%	45.0%	65.0%	90.0%	80.0%	70.0%	67.5%	62.5%	82.5%	30.0%	47.5%	55.0%	80.0%	65%
SWEDEN	13%	8.9%	11.1%	42.2%	24.4%	62.2%	26.7%	40.0%	68.9%	42.2%	24.4%	33.3%	68.9%	68.9%	13.3%	20.0%	42.2%	35.6%	37%
SWITZERLAND	17%	20.4%	16.3%	57.1%	44.9%	44.9%	36.7%	40.8%	61.2%	51.0%	26.5%	26.5%	55.1%	57.1%	16.3%	34.7%	26.5%	28.6%	38%
UNITED KINGDOM	17%	15.7%	13.6%	45.0%	29.8%	41.4%	22.0%	30.4%	51.3%	29.3%	28.8%	31.9%	43.5%	47.1%	14.1%	22.5%	15.2%	21.5%	30%

Table 2. 17 SDGs for Asian countries; averages and improvement for the year 2021.

Country	Improvement	SDG1	SDG2	SDG3	SDG4	SDG5	SDG6	SDG7	SDG8	SDG9	SDG10	SDG11	SDG12	SDG13	SDG14	SDG15	SDG16	SDG17	Average
CHINA	7%	19.8%	10.9%	22.3%	19.4%	19.0%	11.3%	15.0%	23.1%	21.1%	15.4%	15.0%	22.3%	23.5%	7.7%	9.7%	17.8%	12.6%	16.8%
HONG KONG	6%	19.5%	13.8%	36.8%	33.3%	25.3%	19.5%	28.7%	42.5%	28.7%	23.0%	31.0%	36.8%	46.0%	19.5%	24.1%	23.0%	27.6%	28.2%
INDIA	29%	35.1%	31.2%	49.4%	46.8%	49.4%	44.2%	42.9%	53.2%	41.6%	37.7%	29.9%	48.1%	46.8%	19.5%	28.6%	24.7%	31.2%	38.8%
INDONESIA	5%	56.5%	34.8%	73.9%	69.6%	43.5%	52.2%	52.2%	69.6%	56.5%	43.5%	52.2%	43.5%	60.9%	26.1%	47.8%	43.5%	39.1%	50.9%
ISRAEL	4%	20.0%	10.0%	10.0%	30.0%	10.0%	10.0%	20.0%	30.0%	30.0%	20.0%	0.0%	30.0%	20.0%	10.0%	10.0%	20.0%	20.0%	17.6%
JAPAN	23%	17.8%	20.3%	52.0%	42.0%	47.0%	31.3%	56.2%	58.7%	58.4%	34.2%	49.1%	53.7%	61.2%	32.0%	39.1%	36.7%	44.5%	43.2%
MALAYSIA	19%	28.6%	14.3%	45.2%	54.8%	40.5%	33.3%	35.7%	71.4%	45.2%	40.5%	26.2%	59.5%	57.1%	23.8%	35.7%	35.7%	26.2%	39.6%
PHILIPPINES	6%	70.0%	45.0%	75.0%	75.0%	50.0%	65.0%	75.0%	95.0%	85.0%	55.0%	85.0%	90.0%	85.0%	60.0%	70.0%	35.0%	50.0%	68.5%
QATAR	3%	9.1%	9.1%	9.1%	9.1%	18.2%	0.0%	0.0%	9.1%	18.2%	9.1%	9.1%	9.1%	9.1%	0.0%	0.0%	9.1%	0.0%	7.5%
RUSSIAN FEDERATION	8%	18.2%	13.6%	68.2%	77.3%	31.8%	50.0%	68.2%	90.9%	77.3%	36.4%	63.6%	77.3%	72.7%	13.6%	50.0%	31.8%	77.3%	54.0%
SINGAPORE	11%	28.6%	28.6%	76.2%	52.4%	38.1%	33.3%	61.9%	85.7%	61.9%	23.8%	38.1%	57.1%	81.0%	28.6%	33.3%	38.1%	28.6%	46.8%
SOUTH KOREA	7%	25.0%	20.8%	54.2%	54.2%	47.9%	37.5%	41.7%	54.2%	37.5%	41.7%	31.3%	45.8%	54.2%	22.9%	31.3%	37.5%	31.3%	39.3%
TAIWAN	3%	42.2%	22.2%	53.3%	60.0%	40.0%	40.0%	48.9%	64.4%	46.7%	33.3%	44.4%	57.8%	64.4%	20.0%	20.0%	40.0%	44.4%	43.7%
THAILAND	17%	38.1%	14.3%	47.6%	52.4%	33.3%	47.6%	61.9%	66.7%	47.6%	52.4%	33.3%	52.4%	76.2%	38.1%	42.9%	57.1%	42.9%	47.3%
TURKEY	17%	35.7%	14.3%	42.9%	57.1%	71.4%	42.9%	71.4%	71.4%	71.4%	64.3%	50.0%	78.6%	78.6%	35.7%	42.9%	28.6%	71.4%	54.6%
UNITED ARAB EMIRATES	19%	20.0%	0.0%	50.0%	50.0%	60.0%	20.0%	60.0%	60.0%	60.0%	50.0%	30.0%	60.0%	60.0%	10.0%	30.0%	40.0%	40.0%	41.2%

Table 3. 17 SDGs for countries in the Americas, Africa and Oceania; averages and improvement for the year 2021.

Country	Improvement	SDG1	SDG2	SDG3	SDG4	SDG5	SDG6	SDG7	SDG8	SDG9	SDG10	SDG11	SDG12	SDG13	SDG14	SDG15	SDG16	SDG17	Average
AUSTRALIA	11%	6.6%	5.4%	19.0%	13.6%	20.2%	8.7%	15.3%	24.4%	15.7%	13.6%	13.2%	20.7%	23.6%	5.8%	12.8%	13.2%	10.7%	14.3%
BRAZIL	8%	31.0%	24.1%	44.8%	44.8%	48.3%	48.3%	55.2%	65.5%	44.8%	48.3%	51.7%	62.1%	62.1%	20.7%	41.4%	51.7%	41.4%	46.2%
CANADA	10%	18.1%	13.4%	29.1%	21.3%	31.5%	22.8%	22.8%	37.0%	28.3%	22.8%	22.8%	31.5%	32.3%	13.4%	24.4%	23.6%	21.3%	24.5%
CHILE	13%	17.6%	17.6%	58.8%	70.6%	64.7%	47.1%	70.6%	82.4%	70.6%	52.9%	76.5%	70.6%	76.5%	17.6%	47.1%	47.1%	64.7%	56.1%
MEXICO	10%	37.5%	37.5%	54.2%	66.7%	58.3%	33.3%	45.8%	66.7%	66.7%	58.3%	45.8%	58.3%	70.8%	20.8%	54.2%	37.5%	41.7%	50.2%
NEW ZEALAND	19%	5.6%	5.6%	44.4%	11.1%	27.8%	5.6%	22.2%	50.0%	33.3%	11.1%	16.7%	44.4%	55.6%	22.2%	16.7%	5.6%	16.7%	23.2%
SOUTH AFRICA	20%	23.0%	14.9%	36.5%	40.5%	36.5%	31.1%	25.7%	51.4%	35.1%	24.3%	25.7%	45.9%	51.4%	12.2%	21.6%	16.2%	36.5%	31.1%
UNITED STATES OF AMERICA	2%	4.6%	4.6%	10.3%	8.2%	10.9%	7.5%	9.9%	12.0%	8.3%	7.6%	7.5%	10.9%	13.0%	3.8%	5.6%	4.8%	5.5%	7.9%

Table 4. Ranking countries by average commitment; first latent axis coordinates of the HJ-biplot and individual commitment to the 17 SDGs.

Country	Continent	Axis	Commitment	SDG1	SDG2	SDG3	SDG4	SDG5	SDG6	SDG7	SDG8	SDG9	SDG10	SDG11	SDG12	SDG13	SDG14	SDG15	SDG16	SDG17	
Coordinates 1																					
1	PHILIPPINES	Asia	7.2	68.5%	70.0%	45.0%	75.0%	75.0%	50.0%	65.0%	75.0%	95.0%	85.0%	55.0%	85.0%	90.0%	85.0%	60.0%	70.0%	35.0%	50.0%
2	SPAIN	Europe	6.2	64.7%	55.0%	40.0%	75.0%	82.5%	72.5%	45.0%	65.0%	90.0%	80.0%	70.0%	67.5%	62.5%	82.5%	30.0%	47.5%	55.0%	80.0%
3	PORTUGAL	Europe	6.2	64.7%	45.5%	45.5%	63.6%	72.7%	81.8%	36.4%	90.9%	90.9%	63.6%	36.4%	72.7%	81.8%	90.9%	36.4%	72.7%	54.5%	63.6%
4	CHILE	Americas	4.1	56.1%	17.6%	17.6%	58.8%	70.6%	64.7%	47.1%	70.6%	82.4%	70.6%	52.9%	76.5%	70.6%	76.5%	17.6%	47.1%	47.1%	64.7%
5	TURKEY	Asia	3.8	54.6%	35.7%	14.3%	42.9%	57.1%	71.4%	42.9%	71.4%	71.4%	71.4%	64.3%	50.0%	78.6%	78.6%	35.7%	42.9%	28.6%	71.4%
6	RUSSIAN FEDERATION	Asia	3.6	54.0%	18.2%	13.6%	68.2%	77.3%	31.8%	50.0%	68.2%	90.9%	77.3%	36.4%	63.6%	77.3%	72.7%	13.6%	50.0%	31.8%	77.3%
7	FRANCE	Europe	3.4	52.8%	32.9%	26.0%	68.5%	54.8%	69.9%	43.8%	52.1%	75.3%	50.7%	49.3%	46.6%	75.3%	79.5%	31.5%	54.8%	43.8%	42.5%
8	ITALY	Europe	2.9	51.0%	31.0%	21.4%	57.1%	64.3%	66.7%	31.0%	66.7%	76.2%	54.8%	35.7%	59.5%	78.6%	71.4%	26.2%	38.1%	45.2%	42.9%
9	INDONESIA	Asia	3.1	50.9%	56.5%	34.8%	73.9%	69.6%	43.5%	52.2%	52.2%	69.6%	56.5%	43.5%	52.2%	43.5%	60.9%	26.1%	47.8%	43.5%	39.1%
10	MEXICO	Americas	2.9	50.2%	37.5%	37.5%	54.2%	66.7%	58.3%	33.3%	45.8%	66.7%	66.7%	58.3%	45.8%	58.3%	70.8%	20.8%	54.2%	37.5%	41.7%
11	THAILAND	Asia	2.2	47.3%	38.1%	14.3%	47.6%	52.4%	33.3%	47.6%	61.9%	66.7%	47.6%	52.4%	33.3%	52.4%	76.2%	38.1%	42.9%	57.1%	42.9%
12	SINGAPORE	Asia	2.0	46.8%	28.6%	28.6%	76.2%	52.4%	38.1%	33.3%	61.9%	85.7%	61.9%	23.8%	38.1%	57.1%	81.0%	28.6%	33.3%	38.1%	28.6%
13	BRAZIL	Americas	2.0	46.2%	31.0%	24.1%	44.8%	44.8%	48.3%	48.3%	55.2%	65.5%	44.8%	48.3%	51.7%	62.1%	62.1%	20.7%	41.4%	51.7%	41.4%
14	BELGIUM	Europe	1.3	44.1%	16.7%	11.1%	77.8%	50.0%	38.9%	27.8%	44.4%	66.7%	61.1%	33.3%	44.4%	61.1%	77.8%	16.7%	33.3%	38.9%	50.0%
15	TAIWAN	Asia	1.3	43.7%	42.2%	22.2%	53.3%	60.0%	40.0%	40.0%	48.9%	64.4%	46.7%	33.3%	44.4%	57.8%	64.4%	20.0%	20.0%	40.0%	44.4%
16	JAPAN	Asia	1.2	43.2%	17.8%	20.3%	52.0%	42.0%	47.0%	31.3%	56.2%	58.7%	58.4%	34.2%	49.1%	53.7%	61.2%	32.0%	39.1%	36.7%	44.5%
17	AUSTRIA	Europe	0.9	41.7%	27.3%	9.1%	54.5%	54.5%	36.4%	36.4%	27.3%	63.6%	54.5%	54.5%	27.3%	54.5%	54.5%	27.3%	27.3%	54.5%	45.5%
18	UNITED ARAB EMIRATES	Asia	0.6	41.2%	20.0%	0.0%	50.0%	50.0%	60.0%	20.0%	60.0%	60.0%	60.0%	50.0%	30.0%	60.0%	60.0%	10.0%	30.0%	40.0%	40.0%
19	DENMARK	Europe	0.5	40.9%	0.0%	13.0%	65.2%	26.1%	69.6%	26.1%	43.5%	82.6%	34.8%	39.1%	13.0%	82.6%	82.6%	21.7%	8.7%	60.9%	26.1%
20	MALAYSIA	Asia	0.3	39.6%	28.6%	14.3%	45.2%	54.8%	40.5%	33.3%	35.7%	71.4%	45.2%	40.5%	26.2%	59.5%	57.1%	23.8%	35.7%	35.7%	26.2%
21	SOUTH KOREA	Asia	0.3	39.3%	25.0%	20.8%	54.2%	54.2%	47.9%	37.5%	41.7%	54.2%	37.5%	41.7%	31.3%	45.8%	54.2%	22.9%	31.3%	37.5%	31.3%
22	INDIA	Asia	0.3	38.8%	35.1%	31.2%	49.4%	46.8%	49.4%	44.2%	42.9%	53.2%	41.6%	37.7%	29.9%	48.1%	46.8%	19.5%	28.6%	24.7%	31.2%
23	NETHERLANDS	Europe	0.0	38.3%	19.4%	32.3%	64.5%	32.3%	38.7%	22.6%	48.4%	74.2%	41.9%	16.1%	25.8%	80.6%	71.0%	19.4%	16.1%	16.1%	32.3%
24	SWITZERLAND	Europe	0.0	37.9%	20.4%	16.3%	57.1%	44.9%	44.9%	36.7%	40.8%	61.2%	51.0%	26.5%	26.5%	55.1%	57.1%	16.3%	34.7%	26.5%	28.6%
25	SWEDEN	Europe	-0.3	37.3%	8.9%	11.1%	42.2%	24.4%	62.2%	26.7%	40.0%	68.9%	42.2%	24.4%	33.3%	68.9%	68.9%	13.3%	20.0%	42.2%	35.6%

26	GERMANY	Europe	-1.2	33.0%	13.2%	13.2%	46.1%	36.8%	40.8%	30.3%	38.2%	55.3%	43.4%	22.4%	28.9%	46.1%	60.5%	11.8%	22.4%	22.4%	30.3%
27	FINLAND	Europe	-1.4	32.6%	5.0%	5.0%	30.0%	25.0%	35.0%	30.0%	20.0%	65.0%	60.0%	15.0%	35.0%	60.0%	70.0%	10.0%	25.0%	25.0%	40.0%
28	SOUTH AFRICA	Africa	-1.6	31.1%	23.0%	14.9%	36.5%	40.5%	36.5%	31.1%	25.7%	51.4%	35.1%	24.3%	25.7%	45.9%	51.4%	12.2%	21.6%	16.2%	36.5%
29	NORWAY	Europe	-1.9	30.1%	12.5%	12.5%	33.3%	25.0%	29.2%	4.2%	20.8%	70.8%	29.2%	8.3%	25.0%	45.8%	75.0%	50.0%	8.3%	25.0%	37.5%
30	UNITED KINGDOM	Europe	-2.0	29.6%	15.7%	13.6%	45.0%	29.8%	41.4%	22.0%	30.4%	51.3%	29.3%	28.8%	31.9%	43.5%	47.1%	14.1%	22.5%	15.2%	21.5%
31	HONG KONG	Asia	-2.3	28.2%	19.5%	13.8%	36.8%	33.3%	25.3%	19.5%	28.7%	42.5%	28.7%	23.0%	31.0%	36.8%	46.0%	19.5%	24.1%	23.0%	27.6%
32	LUXEMBOURG	Europe	-2.8	26.0%	0.0%	0.0%	41.7%	41.7%	41.7%	16.7%	33.3%	25.0%	41.7%	25.0%	41.7%	16.7%	33.3%	8.3%	8.3%	33.3%	33.3%
33	CANADA	Americas	-3.1	24.5%	18.1%	13.4%	29.1%	21.3%	31.5%	22.8%	22.8%	37.0%	28.3%	22.8%	22.8%	31.5%	32.3%	13.4%	24.4%	23.6%	21.3%
34	IRELAND	Europe	-3.3	23.8%	12.0%	8.0%	32.0%	16.0%	24.0%	24.0%	32.0%	40.0%	40.0%	24.0%	24.0%	44.0%	36.0%	4.0%	8.0%	12.0%	24.0%
35	NEW ZEALAND	Oceania	-3.5	23.2%	5.6%	5.6%	44.4%	11.1%	27.8%	5.6%	22.2%	50.0%	33.3%	11.1%	16.7%	44.4%	55.6%	22.2%	16.7%	5.6%	16.7%
36	POLAND	Europe	-3.8	22.3%	28.6%	7.1%	42.9%	42.9%	14.3%	0.0%	14.3%	42.9%	35.7%	21.4%	14.3%	35.7%	35.7%	0.0%	7.1%	14.3%	21.4%
37	ISRAEL	Asia	-4.7	17.6%	20.0%	10.0%	10.0%	30.0%	10.0%	10.0%	20.0%	30.0%	30.0%	20.0%	0.0%	30.0%	20.0%	10.0%	10.0%	20.0%	20.0%
38	CHINA	Asia	-4.9	16.8%	19.8%	10.9%	22.3%	19.4%	19.0%	11.3%	15.0%	23.1%	21.1%	15.4%	15.0%	22.3%	23.5%	7.7%	9.7%	17.8%	12.6%
39	AUSTRALIA	Oceania	-5.5	14.3%	6.6%	5.4%	19.0%	13.6%	20.2%	8.7%	15.3%	24.4%	15.7%	13.6%	13.2%	20.7%	23.6%	5.8%	12.8%	13.2%	10.7%
40	UNITED STATES	Americas	-6.9	7.9%	4.6%	4.6%	10.3%	8.2%	10.9%	7.5%	9.9%	12.0%	8.3%	7.6%	7.5%	10.9%	13.0%	3.8%	5.6%	4.8%	5.5%
41	QATAR	Asia	-7.0	7.5%	9.1%	9.1%	9.1%	9.1%	18.2%	0.0%	0.0%	9.1%	18.2%	9.1%	9.1%	9.1%	9.1%	0.0%	0.0%	9.1%	0.0%

* In this table, countries are ordered by their overall commitment to the SDGs; the column 'Commitment' presents an average of the 17 SDGs. The column 'Coordinates Axis 1' presents the coordinates of the HJ-biplot analysis for the 41 countries, and the ranking obtained is practically the same (Italy and Indonesia the only countries that exchange their position); therefore, the correlation between these two columns is almost perfect.



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