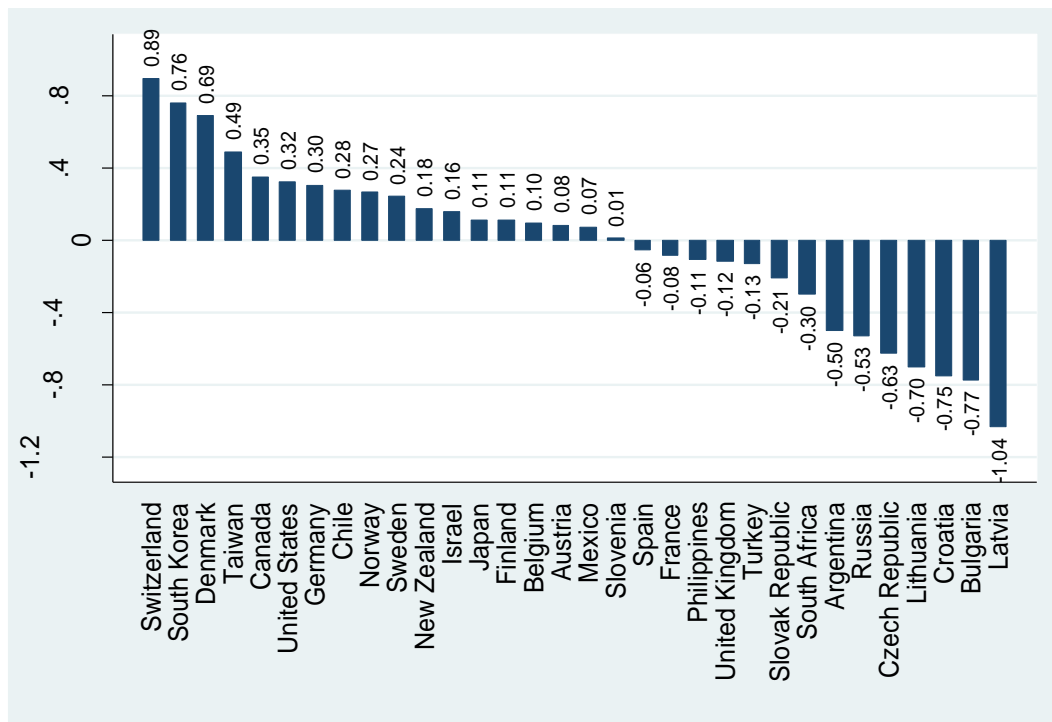


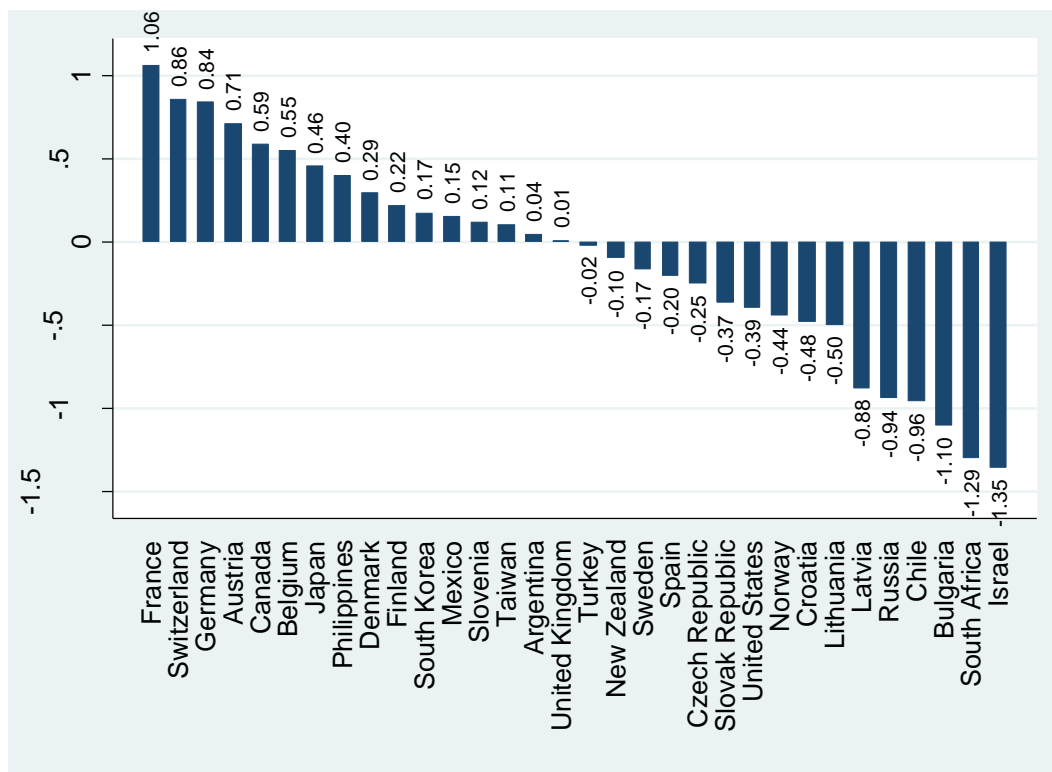
Appendix

Figure A-1 Willingness to Sacrifice by Country



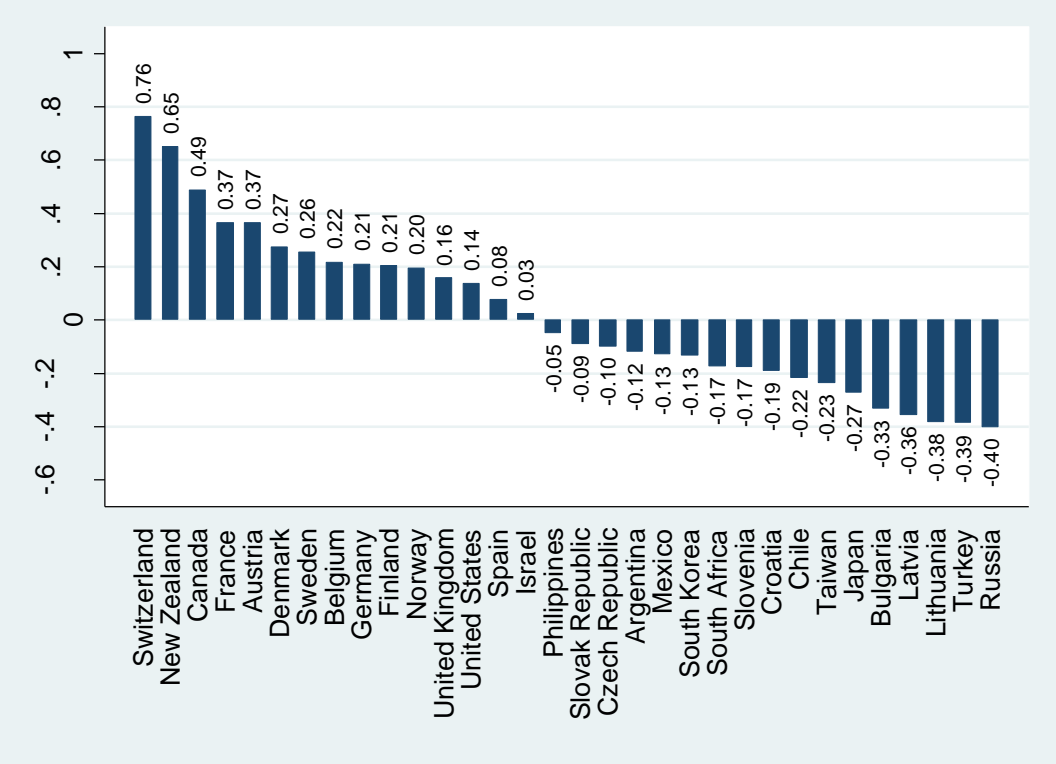
Source: ISSP 2010

Figure A-2 Pro-Environmental Behavior at Household Level by Country



Source: ISSP 2010

Figure A-3 Environmental Citizenship by Country



Source: ISSP 2010

Table A-1 Summary Statistics for the Sample

	Total	More frequent praying group	Less frequent praying group
Praying several times a week or 5 times a day	0.46 [0.50]		
Post-materialist	0.28 [0.45]	0.24 [0.43]	0.30** [0.46]
Female	0.55 [0.50]	0.65 [0.48]	0.45*** [0.50]
Age	40.25 [15.61]	45.52 [16.50]	35.84*** [13.31]
Education level	2.81 [1.22]	2.33 [1.09]	3.22*** [1.18]
Employed	0.32 [0.47]	0.20 [0.40]	0.42*** [0.49]
Personal Income	0.51 [0.71]	0.39 [0.58]	0.61*** [0.79]
Env. Problems have direct effect	3.10 [1.10]	3.17 [1.05]	3.00** [1.14]
Lives in big city	0.54 [0.50]	0.50 [0.50]	0.56* [0.50]
Lives in small city	0.23 [0.42]	0.26 [0.44]	0.20** [0.40]
Lives in village	0.24 [0.42]	0.24 [0.43]	0.23 [0.42]
<i>N</i> ^a	1604	733	871

^a The number of cases may vary slightly by question.

Table A-2 OLS Regression Results for Environmental Concern Indicators

	(1)	(2)	(3)	(4)
Worship frequency	0.015 (0.040)	0.040 (0.041)	-0.004 (0.054)	-0.014 (0.028)
Post-materialist	-0.076 (0.086)	0.194* (0.090)	-0.213** (0.084)	-0.063 (0.097)
Female	0.075 (0.088)	0.021 (0.094)	-0.079 (0.109)	0.224* (0.107)
Age	0.005 (0.003)	0.003 (0.003)	-0.001 (0.003)	0.006* (0.003)
Education level	0.124* (0.060)	0.084 (0.062)	0.063* (0.029)	0.091** (0.034)
Employed	-0.074 (0.070)	-0.083 (0.067)	-0.133 (0.084)	0.032 (0.090)
Personal Income	-0.000 (0.000)	-0.000 (0.000)	-0.000 (0.000)	0.000 (0.000)
Env. Problems have direct effect	0.057 (0.071)	0.085 (0.058)	0.018 (0.114)	0.040 (0.072)
Lives in big city (base: village)	0.172 (0.133)	0.128 (0.128)	-0.023 (0.157)	0.255 (0.159)
Lives in small city	0.441** (0.192)	0.414** (0.177)	0.183 (0.138)	0.233* (0.107)
R-squared	0.043	0.041	0.021	0.033
N	1168	1259	1208	1253

Standard errors are robust, clustered at region level and provided in (), * $p < .1$, ** $p < .05$, *** $p < .01$. The dependent variable in (1) is environmental concern index, (2) individual's degree of supporting "We worry too much about the future of the environment and not enough about prices and jobs", (3) "People worry too much about human progress harming the environment", (4) "Many of the claims about environmental threats are exaggerated".

Table A-3 OLS Regression Results for Willingness to Sacrifice Indicators

	(1)	(2)	(3)	(4)
Worship frequency	0.047 (0.053)	0.026 (0.043)	0.044 (0.045)	0.024 (0.030)
Post-materialist	-0.097 (0.114)	-0.037 (0.076)	-0.079 (0.071)	-0.052 (0.096)
Female	0.141 (0.133)	0.097 (0.115)	0.068 (0.096)	0.123 (0.072)
Age	0.008* (0.004)	0.006 (0.004)	0.002 (0.003)	0.008* (0.004)
Education level	0.336*** (0.040)	0.248*** (0.030)	0.222*** (0.019)	0.209*** (0.045)
Employed	0.075 (0.074)	-0.016 (0.055)	0.048 (0.066)	0.094 (0.063)
Personal Income	0.000* (0.000)	0.000* (0.000)	0.000 (0.000)	0.000 (0.000)
Env. Problems have direct effect	-0.025 (0.059)	-0.023 (0.045)	-0.010 (0.044)	-0.010 (0.040)
Lives in big city (base: village)	-0.392* (0.196)	-0.249 (0.158)	-0.294** (0.127)	-0.232 (0.135)
Lives in small city	-0.517* (0.249)	-0.290 (0.192)	-0.407** (0.154)	-0.371** (0.166)
R-squared	0.068	0.064	0.055	0.048
N	1247	1278	1284	1270

Standard errors are robust, clustered at region level and provided in (), * $p < .1$, ** $p < .05$, *** $p < .01$

The dependent variable in the model (1) is willingness to sacrifice index, (2) individual's degree of willingness to pay higher prices to protect environment, (3) willingness to pay higher taxes to protect environment, (4) willingness to accept cuts in standards of living to protect environment, respectively.

Table A-4 OLS Regression Results for Pro-Environmental Behavior Indicators

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Worship frequency	-0.026 (0.082)	-0.017 (0.035)	0.016 (0.036)	-0.033 (0.052)	0.015 (0.028)	0.000 (0.023)	0.005 (0.029)
Post-materialist	0.249 (0.241)	0.011 (0.089)	-0.007 (0.092)	0.130 (0.125)	0.093 (0.081)	0.060 (0.048)	0.084 (0.070)
Female	0.643*** (0.132)	0.166* (0.078)	0.112 (0.063)	0.334*** (0.078)	0.165** (0.059)	0.112* (0.061)	0.118 (0.071)
Age	0.023*** (0.005)	0.004* (0.002)	0.004* (0.002)	0.011*** (0.003)	0.007*** (0.002)	0.006* (0.003)	0.008*** (0.002)
Education level	0.183** (0.074)	0.160*** (0.028)	0.100*** (0.023)	0.043 (0.035)	0.015 (0.046)	0.016 (0.045)	0.088*** (0.027)
Employed	0.380* (0.186)	0.018 (0.079)	0.073 (0.117)	0.285** (0.092)	0.089 (0.070)	0.016 (0.077)	-0.002 (0.066)
Personal Income	0.000 (0.000)	0.000*** (0.000)	0.000 (0.000)	-0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	0.000* (0.000)
Env. Problems have direct effect	0.181 (0.117)	0.098** (0.043)	0.045 (0.030)	0.067 (0.058)	0.003 (0.066)	0.021 (0.056)	0.049 (0.037)
Lives in big city (base: village)	-0.179 (0.268)	0.011 (0.136)	-0.174 (0.148)	0.112 (0.087)	-0.003 (0.122)	-0.035 (0.147)	-0.037 (0.134)
Lives in small city	-0.696* (0.340)	-0.131 (0.126)	-0.273 (0.184)	-0.178 (0.118)	-0.213* (0.111)	-0.260** (0.107)	-0.153 (0.126)
R-squared	0.091	0.075	0.031	0.085	0.027	0.024	0.035
N	691	1037	1177	786	1320	1320	1320

Standard errors are robust, clustered at region level and provided in (), * $p < .1$, ** $p < .05$, *** $p < .01$

The dependent variable in the model (1) is pro-environmental behavior index, (2) is individual's frequency of recycling, (3) buying fruit and vegetables grown without pesticides or chemicals, (4) cutting back on driving a car for environmental reasons, (5) reducing the energy or fuel you use at home for environmental reasons, (6) saving or reusing water for environmental reasons, (7) avoiding certain products for environmental reasons.

Table A-5 Probit Results for Environmental Citizenship Indicators (Marginal effects)

	(1)	(2)	(3)	(4)	(5)
Worship frequency	-0.026 (0.018)	0.001 (0.003)	-0.008*** (0.002)	-0.003** (0.002)	-0.003* (0.002)
Post-materialist	0.168*** (0.034)	0.009 (0.006)	0.025*** (0.008)	0.029*** (0.009)	0.009 (0.007)
Female	0.056 (0.067)	0.012* (0.006)	0.009 (0.012)	-0.010 (0.009)	-0.002 (0.007)
Age	0.002 (0.002)	-0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
Education level	0.083*** (0.021)	0.007** (0.003)	0.016*** (0.005)	0.010*** (0.002)	0.010*** (0.002)
Employed	0.123 (0.093)	0.015 (0.011)	0.021* (0.012)	0.020 (0.016)	0.003 (0.007)
Personal Income	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	-0.000 (0.000)	0.000 (0.000)
Env. Problems have direct effect	0.060** (0.023)	0.007* (0.004)	0.011* (0.006)	0.009** (0.004)	0.005 (0.005)
Lives in big city (base: village)	0.006 (0.036)	-0.002 (0.005)	0.022 (0.015)	0.001 (0.014)	-0.011* (0.007)
Lives in small city	-0.017 (0.035)	0.001 (0.007)	0.010 (0.011)	0.005 (0.013)	-0.018 (0.011)
R-squared	0.058	0.158	0.131	0.117	0.080
N	1320	1320	1320	1320	1320

Standard errors are robust, clustered at region level and provided in (), * $p < .1$, ** $p < .05$, *** $p < .01$

The dependent variable in the model (1) is environmental citizenship index. The dependent variables from model (2) membership to a group whose main aim is to preserve or protect the environment, (3) having signed a petition about an environmental issue, (4) having donated to an environmental group, (5) having attended in a protest or demonstration about an environmental issue, respectively.