

Supplementary tables

Supplementary Table 1

Study 1: Means, Standard Deviations, and Range for Policy Support Ratings

Evidence strength	<i>M</i>	<i>SD</i>	Score range	
			Minimum	Maximum
Weak evidence	38.03	13.49	8	80
Strong evidence	58.11	10.39	13	80

Supplementary Table 2

Study 1: Summary of Means, Standard Deviations, and Range for Scores on the ESI Scale, Scientific Literacy Scale, and Cultural Cognition Worldview Scales

Scale	<i>M</i>	<i>SD</i>	Score range	
			Minimum	Maximum
ESI	47.16	6.70	23	56
Scientific Literacy	5.71	1.19	2	7
Cultural Cognition Worldview Scale				
<i>Individualism-communitarianism</i>	21.13	5.42	6	36
<i>Hierarchism-egalitarianism</i>	14.32	7.20	6	36

Supplementary Table 3

Study 1: Simple Slopes Analysis of the Effect of Evidence Strength on Support at Levels of ESI

ESI	Effect	<i>SE</i>	<i>t</i>	<i>p</i>	95% CI	
					<i>LL</i>	<i>UL</i>
-9.16	-12.93	1.07	-12.10	<.001	-15.03	-10.83
-4.16	-16.84	.74	-22.67	<.001	-18.30	-15.38
.84	-20.74	.64	-32.62	<.001	-21.99	-19.49
5.84	-24.64	.84	-29.44	<.001	-26.29	-23.00
7.84	-26.21	.97	-26.98	<.001	-28.11	-24.30

Note. 95% CI = bootstrapped confidence interval; *LL* = lower limit, *UL* = upper limit. Greater negative values for effect indicate greater difference in support between Weak and Strong items. Values of ESI represent values in the 10th, 25th, 50th, 75th, and 90th percentile.

Supplementary Table 4

Study 2: Summary of Means, Standard Deviations, and Range for Scores on the ESI Scale, Scientific Literacy Scale, and Cultural Cognition Worldview Scales by Treatment Group

Scale	<i>M</i>	<i>SD</i>	Score range	
			Minimum	Maximum
ESI				
<i>ESI group</i>	48.00	6.20	29	56
<i>Control group</i>	46.84	6.51	31	56
<i>Total</i>	47.40	6.38	29	56
Scientific Literacy				
<i>ESI group</i>	5.72	1.30	2	7
<i>Control group</i>	5.75	1.23	1	7
<i>Total</i>	5.74	1.26	1	7
CCWS – Individualism-communitarianism				
<i>ESI group</i>	19.64	5.40	6	34
<i>Control group</i>	20.21	4.91	8	34
<i>Total</i>	19.93	5.15	6	34
CCWS – Hierarchism-egalitarianism				
<i>ESI group</i>	13.11	7.40	6	36
<i>Control group</i>	14.07	7.00	6	35
<i>Total</i>	13.61	7.20	6	36

Supplementary Table 5

Study 2: Summary of Means, Standard Deviations, and Range for Scores on the ESI Scale, Scientific Literacy Scale, and Cultural Cognition Worldview Scales by Treatment Group for Study Three

Scale	<i>M</i>	<i>SD</i>	Score range	
			Minimum	Maximum
ESI				
<i>ESI group</i>	48.61	5.74	27	56
<i>Control group</i>	48.42	6.37	24	56
<i>Total</i>	48.51	6.06	24	56
Scientific Literacy				
<i>ESI group</i>	5.85	1.15	2	7
<i>Control group</i>	5.92	1.15	2	7
<i>Total</i>	5.89	1.15	2	7
CCWS – Individualism-communitarianism				
<i>ESI group</i>	19.85	5.88	6	36
<i>Control group</i>	19.83	5.56	6	36
<i>Total</i>	19.84	5.72	6	36
CCWS – Hierarchism-egalitarianism				
<i>ESI group</i>	13.45	7.59	6	36
<i>Control group</i>	12.65	7.14	6	36
<i>Total</i>	13.04	7.37	6	36

Supplementary Table 6

Study 2: Means, Standard Deviations, and Range for Policy Support Ratings for Weak and Strong-evidenced Policies by Experimental Group, Control Group, and Total Sample

Evidence strength	<i>n</i>	<i>M</i>	<i>SD</i>	Score range	
				Minimum	Maximum
Weak evidence					
<i>ESI group</i>	193	36.74	13.61	14	80
<i>Control group</i>	209	38.68	12.94	12	74
<i>Total</i>	402	37.75	13.28	12	80
Strong evidence					
<i>ESI group</i>	193	60.17	10.05	22	80
<i>Control group</i>	209	57.62	11.21	14	80
<i>Total</i>	402	58.84	10.73	14	80

Supplementary Table 7

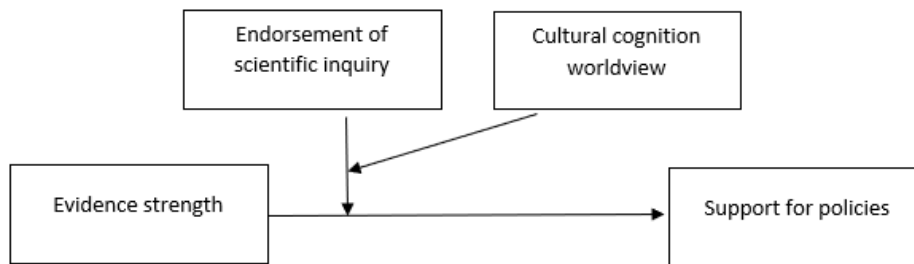
Study 3: Means, Standard Deviations, and Range for Policy Support Ratings for Weak and Strong-evidenced Policies by Experimental Group, Control Group, and Total Sample

Evidence strength	<i>n</i>	<i>M</i>	<i>SD</i>	Score range	
				Minimum	Maximum
Weak evidence					
<i>ESI group</i>	294	34.39	13.77	8	70
<i>Control group</i>	306	38.58	13.74	8	80
<i>Total</i>	600	36.53	13.90	8	80
Strong evidence					
<i>ESI group</i>	294	58.88	10.26	8	80
<i>Control group</i>	306	58.19	12.03	8	80
<i>Total</i>	600	58.53	11.19	8	80

Supplementary figures

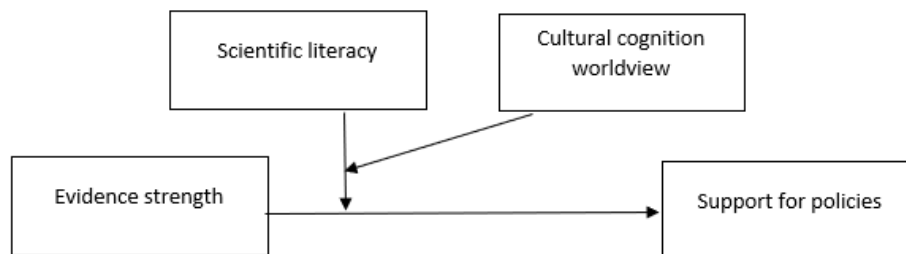
Supplementary Figure 1

A Multiplicative Moderation Model for ESI and Worldviews. Examining whether ESI and worldviews moderate the relationship between support for policies and the strength of evidence



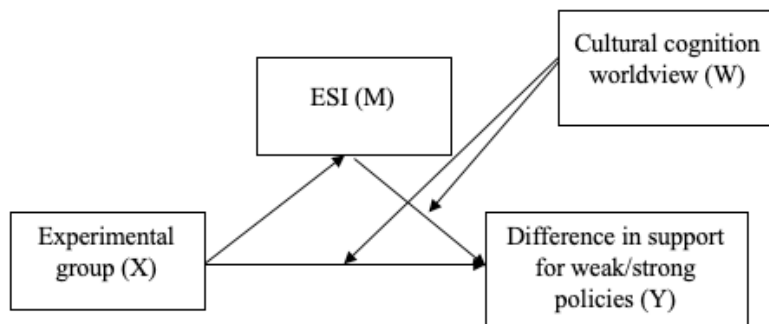
Supplementary Figure 2

A Multiplicative Moderation Model for Scientific Knowledge and Worldviews. Examining whether SciLit and worldviews moderate the relationship between support for policies and the strength of evidence



Supplementary Figure 3

A Moderated Mediation Model (PROCESS Model 15) for ESI and Worldviews. Examining whether worldviews moderate the mediating relationship of experimental group on support for policies through ESI



Supplementary Figure 4

A Moderated Mediation Model (PROCESS Model 8) for ESI and Worldviews. Examining whether worldviews moderate the mediating relationship of experimental group on support for policies through ESI

