

## Online Appendix

### Measuring Issue Congruence in Western Europe: How Voting Advice Applications Compare to Expert- and Manifesto-Based Estimates

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**Table A1.** Issue position items and question wording.

Issue	ESS	EES	Euromanifesto		CHES	euandi
			Left	Right		
Redistribution	The government should take measures to reduce differences in income levels. Categories range from 1 (agree strongly) to 5 (disagree strongly).	Position on redistribution of wealth from the rich to the poor ranging from 0 (fully in favour of redistribution) to 10 (fully opposed to redistribution).	per_v1_504a + per_v2_504a + per_v3_504a + per_v1_5043a + per_v2_5043a + per_v3_5043a + per_v1_5044a + per_v2_5044a + per_v3_5044a + per_v1_5045a + per_v2_5045a + per_v3_5045a + per_v1_506a + per_v2_506a + per_v3_506a	per_v1_504b + per_v2_504b + per_v3_504b + per_v1_5043b + per_v2_5043b + per_v3_5043b + per_v1_5044b + per_v2_5044b + per_v3_5044b + per_v1_5045b + per_v2_5045b + per_v3_5045b + per_v1_506b + per_v2_506b + per_v3_506b	Position on redistribution of wealth from the rich to the poor ranging from 0 (strongly favours redistribution) to 10 (strongly opposes redistribution).	Social programs should be maintained even at the cost of higher taxes. Categories range from 1 (completely disagree) to 5 (completely agree).
Immigration	<i>Index of three items:</i> 1) Now, using this card, to what extent do you think [country] should allow people of the same	Position on immigration ranging from 0 (fully in favour of a restrictive policy) to 10 (fully opposed to a restrictive policy).	per_v1_601b + per_v2_601b + per_v3_601b + per_v1_6011a + per_v2_6011a + per_v3_6011a + per_v1_607a + per_v2_607a	per_v1_601a + per_v2_601a + per_v3_601a + per_v1_6011b + per_v2_6011b + per_v3_6011b + per_v1_607b +	Position on immigration ranging from 0 (strongly favors a liberal policy) to 10 (strongly favors a restrictive policy).	Immigration [into your country] should be made more restrictive. Categories range from 1 (completely disagree) to 5

	<p>race or ethnic group as most [country] people to come and live here?</p> <p>2) How about people of a different race or ethnic group from most [country] people?</p> <p>3) How about people from the poorer countries outside Europe?</p> <p>Answer categories range in each case from 1 (Allow many to come and live here) to 4 (Allow none).</p>		+ per_v3_607a	per_v2_607b + per_v3_607b		(completely agree).
EU Integration	<p>Now thinking about the European Union, some say European unification</p>	<p>Some say European unification should be pushed further. Others say it already has</p>	<p>per_v1_108a + per_v2_108a + per_v3_108a + per_v1_1081 a + per_v2_1081 a +</p>	<p>per_v1_108b + per_v2_108b + per_v3_108b + per_v1_1081 b +</p>	<p>How would you describe the general position on European integration that the party</p>	<p>European integration is a good thing. Categories range from 1 (completely</p>

	<p>should go further. Others say it has already gone too far. Using this card, what number on the scale best describes your position? Categories range from 0 (Unification has already gone too far) to 10 (Unification should go further).</p>	<p>gone too far. What is your opinion? Please indicate your views using a scale from 0 to 10, where '0' means unification "has already gone too far" and '10' means it "should be pushed further".</p>	<p>per_v3_1081 a + per_v1_1082 a + per_v2_1082 a + per_v3_1082 a + per_v2_306a + per_v2_308a + per_v2_310a + per_v2_312a + per_v2_314a + per_v2_3141 a + per_v1_3011 a + per_v2_3011 a + per_v3_3011 a + per_v2_316a + per_v2_3161 a + per_v2_3163 a + per_v2_3162 a + per_v1_6021 b + per_v2_6021 b + per_v3_6021 b</p>	<p>per_v2_1081 b + per_v3_1081 b + per_v1_1082 b + per_v2_1082 b + per_v3_1082 b + per_v2_306b + per_v2_308b + per_v2_310b + per_v2_312b + per_v2_314b + per_v2_3141 b + per_v1_3011 b + per_v2_3011 b + per_v3_3011 b + per_v2_316b + per_v2_3161 b + per_v2_3163 b + per_v2_3162 b + per_v1_6021 a + per_v2_6021 a + per_v3_6021 a</p>	<p>leadership took over the course of 2014? Categories range from 1 (Strongly opposed) to 7 (Strongly in favor).</p>	<p>y disagree) to 5 (completely agree).</p>
Gender Issues	Gay men and lesbians	Position on same-sex marriage	per_v1_603b + per_v2_603b +	per_v1_603b + per_v2_603b	Position on social lifestyle (e.g.	The legalisation of same

	<p>should be free to live their own life as they wish. Categories range from 1 (agree strongly) to 5 (disagree strongly).</p>	<p>ranging from 0 (fully in favour) to 10 (fully opposed).</p>	<p>per_v3_603b + per_v2_7052a + per_v1_7052a + per_v3_7052a + per_v1_7061a + per_v2_7061a + per_v3_7061a</p>	<p>+ per_v3_603b + er_v1_7052b + per_v2_7052b + per_v3_7052b + per_v1_7061b + per_v2_7061b + per_v3_7061b</p>	<p>homosexuality) ranging from 0 (strongly supports liberal policies) to 10 (strongly opposes liberal policies).</p>	<p>sex marriages is a good thing. Categories range from 1 (completely disagree) to 5 (completely agree).</p>
Environment	<p>Now I will briefly describe some people. Please listen to each description and tell me how much each person is or is not like you. Use this card for your answer. She/he strongly believes that people should care for nature. Looking after the environment is important</p>	<p>Position on the environment ranging from 0 (environmental protection should always take priority even at the cost of economic growth) to 10 (economic growth should always take priority even at the cost of environmental protection)</p>	<p>per_v1_501a + per_v2_501a + per_v3_501a + per_v1_5011a + per_v2_5011a + per_v3_5011a + per_v1_5012a + per_v2_5012a + per_v3_5012a + per_v1_5013a + per_v2_5013a + per_v3_5013a + per_v1_416a + per_v2_416a + per_v3_416a + per_v1_410b + per_v2_410b + per_v3_410b</p>	<p>per_v1_501b + per_v2_501b + per_v3_501b + per_v1_5011b + per_v2_5011b + per_v3_5011b + per_v1_5012b + per_v2_5012b + per_v3_5012b + per_v1_5013b + per_v2_5013b + per_v3_5013b + per_v1_416b + per_v2_416b + per_v3_416b +</p>	<p>Position on environmental sustainability ranging from 0 (strongly supports environmental protection even at the cost of economic growth) to 10 (strongly supports economic growth even at the cost of environmental protection).</p>	<p>Renewable sources of energy (e.g. solar or wind energy) should be supported even if this means higher energy costs. Categories range from 1 (completely disagree) to 5 (completely agree).</p>

	to her/him. Categories range from 1 (Very much like me) to 6 (Not like me at all).			per_v1_410a + per_v2_410a + per_v3_410a		
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**Table A2.** Demographic profile of the EES party supporters

<b>Party</b>	<b>low.edu</b>	<b>med.edu</b>	<b>high.edu</b>	<b>Men</b>	<b>Women</b>	<b>18- 24</b>	<b>25- 34</b>	<b>35- 49</b>	<b>50- 64</b>	<b>65+</b>
AfD	0.16	0.49	0.35	1.17	0.23	0.11	0.08	0.17	0.30	0.34
C	0.05	0.32	1.03	0.56	0.44	0.09	0.12	0.26	0.21	0.33
CD&V	0.14	0.41	0.45	0.51	0.49	0.02	0.06	0.19	0.35	0.38
CDA	0.18	0.44	0.39	0.51	0.49	0.04	0.04	0.14	0.24	0.55
CDU-DE	0.27	0.42	0.32	0.50	0.50	0.02	0.09	0.19	0.25	0.45
CDU-PT	1.03	0.26	0.11	0.54	0.46	0.02	0.11	0.21	0.35	0.32
CU-SGP	0.21	0.31	0.48	0.40	1.00	0.04	0.14	0.22	0.26	0.34
D66	0.02	0.33	1.05	0.50	0.50	0.07	0.12	0.22	0.26	0.34
DF	0.04	0.26	1.10	0.50	0.50	0.05	0.08	0.20	0.27	0.40
Die Linke	0.20	0.35	0.45	0.55	0.45	0.04	0.05	0.12	0.34	0.44
EELV	0.19	0.37	0.44	0.40	1.00	0.02	0.13	0.22	0.36	0.27
Ecolo	0.12	0.21	1.08	0.42	0.58	0.08	0.05	0.26	0.37	0.24
FI	0.00	0.04	1.36	0.31	1.09	0.07	0.29	0.24	0.22	0.18
FB	0.03	0.08	1.29	0.49	0.51	0.10	0.15	0.07	0.44	0.24
FF	0.20	0.47	0.33	0.48	0.52	0.06	0.10	0.22	0.31	0.31
FG-FR	0.14	0.32	0.54	0.47	0.53	0.10	0.17	0.13	0.43	0.17
FG-IE	0.19	0.49	0.32	0.45	0.55	0.05	0.10	0.24	0.24	0.37
FI	0.26	0.37	0.37	0.42	0.58	0.08	0.11	0.38	0.24	0.19
FN	0.21	0.53	0.26	1.04	0.36	0.05	0.09	0.33	0.27	0.25
FP	0.01	0.25	1.14	0.56	0.44	0.03	0.07	0.15	0.29	0.46
FPÖ	0.25	0.47	0.28	0.56	0.44	0.12	0.19	0.27	0.21	0.21
GL	0.02	0.25	1.13	0.38	1.02	0.06	0.09	0.12	0.45	0.27
GRÜNE- AT	0.04	0.43	0.52	0.40	1.00	0.12	0.22	0.27	0.26	0.13
GRÜNE- DE	0.03	0.41	0.57	0.45	0.55	0.11	0.24	0.25	0.23	0.16
Groen	0.04	0.31	1.05	0.52	0.48	0.15	0.25	0.33	0.18	0.08
IP	0.25	0.42	0.33	0.50	0.50	0.05	0.29	0.34	0.21	0.11
KD	0.05	0.27	1.08	0.59	0.41	0.02	0.10	0.15	0.22	0.51
KESK	0.12	0.27	1.00	0.49	0.51	0.00	0.07	0.20	0.28	0.45
KF	0.02	0.11	1.27	0.52	0.48	0.00	0.06	0.35	0.23	0.37
KOK	0.07	0.14	1.19	0.49	0.51	0.05	0.06	0.25	0.28	0.35
LN	0.16	0.48	0.36	0.34	1.06	0.03	0.10	0.21	0.48	0.17
Labour	0.17	0.40	0.43	0.41	0.59	0.05	0.19	0.32	0.16	0.27
M	0.08	0.21	1.11	0.59	0.41	0.02	0.12	0.21	0.19	0.46
M5S	0.29	0.43	0.29	0.57	0.43	0.13	0.24	0.38	0.19	0.06
MP	0.03	0.16	1.21	0.50	0.50	0.03	0.17	0.29	0.25	0.26
MR	0.06	0.28	1.06	0.49	0.51	0.06	0.11	0.26	0.24	0.33
MoDem- UDI	0.17	0.25	0.58	0.41	0.59	0.05	0.11	0.14	0.35	0.35
N-VA	0.15	0.47	0.37	0.49	0.51	0.05	0.15	0.26	0.35	0.19

NEOS	0.09	0.37	0.53	1.00	0.40	0.10	0.22	0.36	0.16	0.16
Open	0.11	0.43	0.45	0.47	0.53	0.07	0.19	0.28	0.23	0.23
VLD										
PD	0.28	0.38	0.34	0.52	0.48	0.06	0.12	0.31	0.32	0.19
PP	0.57	0.27	0.16	0.47	0.53	0.02	0.08	0.24	0.30	0.35
PS-BE	0.19	0.40	0.42	0.54	0.46	0.05	0.07	0.26	0.32	0.30
PS-FI	0.05	0.28	1.07	1.11	0.29	0.00	0.10	0.29	0.29	0.31
PS-PRG	0.11	0.34	0.55	0.50	0.50	0.05	0.10	0.15	0.32	0.38
PS-PT	1.08	0.22	0.10	0.46	0.54	0.07	0.03	0.24	0.36	0.31
PSD-PP	0.56	0.25	0.19	0.45	0.55	0.03	0.09	0.19	0.33	0.36
PSOE-	0.45	0.31	0.24	0.50	0.50	0.09	0.07	0.23	0.29	0.32
PSC										
PVV	0.14	0.51	0.34	0.56	0.44	0.00	0.17	0.22	0.25	0.36
Podemos	0.26	0.41	0.33	0.56	0.44	0.15	0.17	0.35	0.24	0.09
PvdA	0.15	0.33	0.52	0.49	0.51	0.00	0.09	0.25	0.28	0.38
RV	0.03	0.09	1.29	0.54	0.46	0.03	0.05	0.24	0.30	0.38
S-DK	0.12	0.16	1.12	0.45	0.55	0.05	0.08	0.15	0.32	0.39
S-SE	0.12	0.30	0.57	0.56	0.44	0.06	0.10	0.23	0.29	0.31
SD	0.24	0.22	0.54	1.09	0.31	0.04	0.08	0.10	0.23	0.54
SDP	0.10	0.38	0.52	0.59	0.41	0.02	0.06	0.12	0.39	0.41
SF-DK	0.02	0.15	1.23	0.40	1.00	0.09	0.15	0.19	0.25	0.32
SF-IE	0.25	0.49	0.25	0.53	0.47	0.04	0.19	0.29	0.28	0.19
SP	0.13	0.31	0.56	0.42	0.58	0.03	0.07	0.18	0.42	0.31
SPD	0.29	0.40	0.31	0.54	0.46	0.08	0.10	0.18	0.23	0.42
SPÖ	0.21	0.55	0.23	0.45	0.55	0.07	0.06	0.26	0.33	0.27
UMP	0.27	0.47	0.27	0.50	0.50	0.07	0.04	0.11	0.24	0.54
V-DK	0.05	0.15	1.20	0.53	0.47	0.02	0.11	0.21	0.24	0.42
V-SE	0.03	0.19	1.18	0.58	0.42	0.03	0.18	0.24	0.35	0.19
VAS	0.15	0.17	1.07	0.44	0.56	0.02	0.12	0.19	0.33	0.33
VIHR	0.03	0.06	1.31	0.38	1.02	0.05	0.12	0.50	0.21	0.12
VVD	0.05	0.39	0.56	0.51	0.49	0.00	0.13	0.28	0.28	0.31
cdH	0.06	0.39	0.55	0.30	1.10	0.09	0.18	0.15	0.09	0.48
sp.a	0.12	0.39	0.49	0.52	0.48	0.13	0.17	0.22	0.32	0.17
ÖVP	0.27	0.38	0.35	0.49	0.51	0.03	0.11	0.23	0.30	0.34

**Table A3.** Demographic profile of the euandi party supporters

Party	low.edu	med.edu	high.edu	Men	Women	18- 24	25- 34	35- 49	50- 64	65+
AfD	0.16	0.49	0.35	1.17	0.23	0.11	0.08	0.17	0.30	0.34
C	0.05	0.32	1.03	0.56	0.44	0.09	0.12	0.26	0.21	0.33
CD&V	0.14	0.41	0.45	0.51	0.49	0.02	0.06	0.19	0.35	0.38
CDA	0.18	0.44	0.39	0.51	0.49	0.04	0.04	0.14	0.24	0.55
CDU-DE	0.27	0.42	0.32	0.50	0.50	0.02	0.09	0.19	0.25	0.45
CDU-PT	1.03	0.26	0.11	0.54	0.46	0.02	0.11	0.21	0.35	0.32
CU-SGP	0.21	0.31	0.48	0.40	1.00	0.04	0.14	0.22	0.26	0.34
D66	0.02	0.33	1.05	0.50	0.50	0.07	0.12	0.22	0.26	0.34
DF	0.04	0.26	1.10	0.50	0.50	0.05	0.08	0.20	0.27	0.40
Die Linke	0.20	0.35	0.45	0.55	0.45	0.04	0.05	0.12	0.34	0.44
EELV	0.19	0.37	0.44	0.40	1.00	0.02	0.13	0.22	0.36	0.27
Ecolo	0.12	0.21	1.08	0.42	0.58	0.08	0.05	0.26	0.37	0.24
FI	0.00	0.04	1.36	0.31	1.09	0.07	0.29	0.24	0.22	0.18
FB	0.03	0.08	1.29	0.49	0.51	0.10	0.15	0.07	0.44	0.24
FF	0.20	0.47	0.33	0.48	0.52	0.06	0.10	0.22	0.31	0.31
FG-FR	0.14	0.32	0.54	0.47	0.53	0.10	0.17	0.13	0.43	0.17
FG-IE	0.19	0.49	0.32	0.45	0.55	0.05	0.10	0.24	0.24	0.37
FI	0.26	0.37	0.37	0.42	0.58	0.08	0.11	0.38	0.24	0.19
FN	0.21	0.53	0.26	1.04	0.36	0.05	0.09	0.33	0.27	0.25
FP	0.01	0.25	1.14	0.56	0.44	0.03	0.07	0.15	0.29	0.46
FPÖ	0.25	0.47	0.28	0.56	0.44	0.12	0.19	0.27	0.21	0.21
GL	0.02	0.25	1.13	0.38	1.02	0.06	0.09	0.12	0.45	0.27
GRÜNE- AT	0.04	0.43	0.52	0.40	1.00	0.12	0.22	0.27	0.26	0.13
GRÜNE- DE	0.03	0.41	0.57	0.45	0.55	0.11	0.24	0.25	0.23	0.16
Groen	0.04	0.31	1.05	0.52	0.48	0.15	0.25	0.33	0.18	0.08
IP	0.25	0.42	0.33	0.50	0.50	0.05	0.29	0.34	0.21	0.11
KD	0.05	0.27	1.08	0.59	0.41	0.02	0.10	0.15	0.22	0.51
KESK	0.12	0.27	1.00	0.49	0.51	0.00	0.07	0.20	0.28	0.45
KF	0.02	0.11	1.27	0.52	0.48	0.00	0.06	0.35	0.23	0.37
KOK	0.07	0.14	1.19	0.49	0.51	0.05	0.06	0.25	0.28	0.35
LN	0.16	0.48	0.36	0.34	1.06	0.03	0.10	0.21	0.48	0.17
Labour	0.17	0.40	0.43	0.41	0.59	0.05	0.19	0.32	0.16	0.27
M	0.08	0.21	1.11	0.59	0.41	0.02	0.12	0.21	0.19	0.46
M5S	0.29	0.43	0.29	0.57	0.43	0.13	0.24	0.38	0.19	0.06
MP	0.03	0.16	1.21	0.50	0.50	0.03	0.17	0.29	0.25	0.26
MR	0.06	0.28	1.06	0.49	0.51	0.06	0.11	0.26	0.24	0.33
MoDem- UDI	0.17	0.25	0.58	0.41	0.59	0.05	0.11	0.14	0.35	0.35
N-VA	0.15	0.47	0.37	0.49	0.51	0.05	0.15	0.26	0.35	0.19

NEOS	0.09	0.37	0.53	1.00	0.40	0.10	0.22	0.36	0.16	0.16
Open	0.11	0.43	0.45	0.47	0.53	0.07	0.19	0.28	0.23	0.23
VLD										
PD	0.28	0.38	0.34	0.52	0.48	0.06	0.12	0.31	0.32	0.19
PP	0.57	0.27	0.16	0.47	0.53	0.02	0.08	0.24	0.30	0.35
PS-BE	0.19	0.40	0.42	0.54	0.46	0.05	0.07	0.26	0.32	0.30
PS-FI	0.05	0.28	1.07	1.11	0.29	0.00	0.10	0.29	0.29	0.31
PS-PRG	0.11	0.34	0.55	0.50	0.50	0.05	0.10	0.15	0.32	0.38
PS-PT	1.08	0.22	0.10	0.46	0.54	0.07	0.03	0.24	0.36	0.31
PSD-PP	0.56	0.25	0.19	0.45	0.55	0.03	0.09	0.19	0.33	0.36
PSOE-	0.45	0.31	0.24	0.50	0.50	0.09	0.07	0.23	0.29	0.32
PSC										
PVV	0.14	0.51	0.34	0.56	0.44	0.00	0.17	0.22	0.25	0.36
Podemos	0.26	0.41	0.33	0.56	0.44	0.15	0.17	0.35	0.24	0.09
PvdA	0.15	0.33	0.52	0.49	0.51	0.00	0.09	0.25	0.28	0.38
RV	0.03	0.09	1.29	0.54	0.46	0.03	0.05	0.24	0.30	0.38
S-DK	0.12	0.16	1.12	0.45	0.55	0.05	0.08	0.15	0.32	0.39
S-SE	0.12	0.30	0.57	0.56	0.44	0.06	0.10	0.23	0.29	0.31
SD	0.24	0.22	0.54	1.09	0.31	0.04	0.08	0.10	0.23	0.54
SDP	0.10	0.38	0.52	0.59	0.41	0.02	0.06	0.12	0.39	0.41
SF-DK	0.02	0.15	1.23	0.40	1.00	0.09	0.15	0.19	0.25	0.32
SF-IE	0.25	0.49	0.25	0.53	0.47	0.04	0.19	0.29	0.28	0.19
SP	0.13	0.31	0.56	0.42	0.58	0.03	0.07	0.18	0.42	0.31
SPD	0.29	0.40	0.31	0.54	0.46	0.08	0.10	0.18	0.23	0.42
SPÖ	0.21	0.55	0.23	0.45	0.55	0.07	0.06	0.26	0.33	0.27
UMP	0.27	0.47	0.27	0.50	0.50	0.07	0.04	0.11	0.24	0.54
V-DK	0.05	0.15	1.20	0.53	0.47	0.02	0.11	0.21	0.24	0.42
V-SE	0.03	0.19	1.18	0.58	0.42	0.03	0.18	0.24	0.35	0.19
VAS	0.15	0.17	1.07	0.44	0.56	0.02	0.12	0.19	0.33	0.33
VIHR	0.03	0.06	1.31	0.38	1.02	0.05	0.12	0.50	0.21	0.12
VVD	0.05	0.39	0.56	0.51	0.49	0.00	0.13	0.28	0.28	0.31
cdH	0.06	0.39	0.55	0.30	1.10	0.09	0.18	0.15	0.09	0.48
sp.a	0.12	0.39	0.49	0.52	0.48	0.13	0.17	0.22	0.32	0.17
ÖVP	0.27	0.38	0.35	0.49	0.51	0.03	0.11	0.23	0.30	0.34

**Table A4.** Demographic profile of the ESS party supporters

<b>Party</b>	<b>low.edu</b>	<b>med.edu</b>	<b>high.edu</b>	<b>Men</b>	<b>Women</b>	<b>18-24</b>	<b>25-34</b>	<b>35-49</b>	<b>50-64</b>	<b>65+</b>
AfD	0.29	0.43	0.29	0.54	0.46	0.18	0.18	0.14	0.14	0.36
C	0.25	0.43	0.32	0.45	0.55	0.14	0.14	0.14	0.14	0.45
CD&V	0.27	0.36	0.36	0.52	0.48	0.15	0.15	0.15	0.18	0.36
CDA	0.30	0.33	0.37	0.48	0.52	0.00	0.11	0.22	0.22	0.44
CDU-DE	0.31	0.34	0.34	0.47	0.53	0.17	0.17	0.14	0.17	0.36
CDU-PT	0.39	0.30	0.30	0.52	0.48	0.04	0.17	0.26	0.13	0.39
CU-SGP	0.30	0.25	0.45	0.45	0.55	0.00	0.20	0.15	0.25	0.40
D66	0.23	0.40	0.37	0.50	0.50	0.10	0.13	0.17	0.20	0.40
Die Linke	0.23	0.40	0.37	0.47	0.53	0.10	0.20	0.17	0.13	0.40
EELV	0.16	0.44	0.40	0.48	0.52	0.04	0.16	0.16	0.16	0.48
Ecolo	0.24	0.40	0.36	0.52	0.48	0.16	0.20	0.16	0.16	0.32
FF	0.32	0.35	0.32	0.49	0.51	0.09	0.17	0.20	0.20	0.34
FG-FR	0.17	0.44	0.39	1.01	0.39	0.06	0.17	0.17	0.22	0.39
FG-IE	0.29	0.37	0.34	0.46	0.54	0.14	0.14	0.17	0.19	0.36
FN	0.35	0.46	0.19	0.58	0.42	0.15	0.12	0.15	0.19	0.38
FP	0.12	0.48	0.40	0.52	0.48	0.12	0.16	0.16	0.16	0.40
FPÖ	0.41	0.44	0.15	0.50	0.50	0.18	0.14	0.21	0.14	0.32
GL	0.13	0.39	0.48	0.46	0.54	0.08	0.17	0.17	0.21	0.38
GRÜNE-AT	0.24	0.41	0.34	0.52	0.48	0.14	0.17	0.21	0.14	0.34
GRÜNE-DE	0.25	0.38	0.38	0.47	0.53	0.19	0.12	0.19	0.16	0.34
Groen	0.27	0.35	0.38	0.52	0.48	0.19	0.15	0.15	0.19	0.33
IP	0.37	0.30	0.33	0.57	0.43	0.10	0.20	0.17	0.20	0.33
KD	0.23	0.38	0.38	0.54	0.46	0.12	0.15	0.15	0.15	0.42
KOK	0.21	0.38	0.41	0.53	0.47	0.10	0.17	0.13	0.17	0.43
Labour	0.28	0.41	0.31	0.47	0.53	0.10	0.13	0.19	0.19	0.39
M	0.23	0.39	0.39	0.52	0.48	0.15	0.12	0.18	0.15	0.39
MP	0.18	0.43	0.39	0.46	0.54	0.18	0.18	0.14	0.14	0.36
MR	0.29	0.35	0.35	0.50	0.50	0.12	0.18	0.18	0.18	0.35
MoDem-UDI	0.14	0.43	0.43	0.45	0.55	0.00	0.09	0.18	0.27	0.45
N-VA	0.29	0.35	0.35	0.53	0.47	0.17	0.14	0.17	0.17	0.36
NEOS	0.14	0.50	0.36	0.50	0.50	0.14	0.23	0.18	0.18	0.27
Open VLD	0.25	0.38	0.38	0.52	0.48	0.15	0.12	0.18	0.15	0.39
PP	0.33	0.33	0.33	0.47	0.53	0.16	0.16	0.16	0.18	0.34
PS-BE	0.36	0.36	0.27	0.50	0.50	0.18	0.15	0.18	0.18	0.32
PS-FI	0.30	0.40	0.30	0.53	0.47	0.07	0.20	0.17	0.20	0.37
PS-PRG	0.29	0.35	0.35	0.48	0.52	0.07	0.13	0.20	0.20	0.40
PS-PT	0.34	0.38	0.28	0.50	0.50	0.09	0.19	0.19	0.16	0.38
PSD-PP	0.33	0.36	0.30	0.47	0.53	0.12	0.15	0.18	0.21	0.35
PSOE-PSC	0.34	0.34	0.31	0.50	0.50	0.14	0.17	0.17	0.17	0.36
PVV	0.38	0.42	0.19	0.52	0.48	0.15	0.19	0.22	0.15	0.30
PvdA	0.27	0.36	0.36	0.52	0.48	0.12	0.18	0.15	0.18	0.36
S-DK	0.32	0.35	0.32	0.51	0.49	0.11	0.17	0.17	0.17	0.37

S-SE	0.32	0.35	0.32	0.51	0.49	0.14	0.17	0.14	0.17	0.37
SD	0.36	0.50	0.14	0.52	0.48	0.09	0.17	0.17	0.17	0.39
SF	0.37	0.37	0.27	0.55	0.45	0.06	0.19	0.16	0.19	0.39
SP	0.32	0.32	0.35	0.44	0.56	0.09	0.16	0.16	0.19	0.41
SPD	0.26	0.38	0.35	0.47	0.53	0.15	0.15	0.15	0.18	0.36
SPÖ	0.29	0.39	0.32	0.53	0.47	0.10	0.16	0.16	0.19	0.39
UMP	0.29	0.37	0.34	0.49	0.51	0.12	0.15	0.18	0.18	0.36
V	0.30	0.37	0.33	0.52	0.48	0.13	0.16	0.16	0.16	0.39
VIHR	0.04	0.52	0.43	0.52	0.48	0.09	0.17	0.17	0.17	0.39
VVD	0.31	0.33	0.36	0.53	0.47	0.14	0.16	0.16	0.16	0.38
cdH	0.31	0.42	0.27	0.50	0.50	0.08	0.15	0.15	0.19	0.42
sp.a	0.30	0.40	0.30	0.50	0.50	0.13	0.13	0.17	0.20	0.37
ÖVP	0.34	0.38	0.28	0.50	0.50	0.12	0.15	0.18	0.15	0.41

**Table A5.** Correlations between congruence measures constructed from alternative sources by issue (unique top-preference euandi observations).

Issue	Euromanifesto/euandi	N	CHES/euandi	N
Redistribution	-0.11	58	0.54***	58
Immigration	0.23*	57	0.45***	57
EU integration	0.62***	59	0.72***	59
Gender issues	0.01	59	0.46***	59
Environment	0.17	56	0.27**	56

Note: Pearson correlations ( $r$ ). \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . Ns are pairwise complete observations. Analysis excludes euandi respondents with tied highest PTV scores (i.e., cases where two or more parties share the maximum score).

**Table A6.** Correlations between congruence measures constructed from alternative sources by issue (unique top-preference euandi observations + weighted euandi user data).

Issue	Euromanifesto /euandi	N	CHES/euandi	N
Redistribution	-0.10	58	0.55***	58
Immigration	0.30**	57	0.46***	57
EU integration	0.60***	59	0.68***	59
Gender issues	0.10	59	0.44***	59
Environment	0.19	56	0.27**	56

Note: Pearson correlations ( $r$ ). \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . Ns are pairwise complete observations. Analysis excludes euandi respondents with tied highest PTV scores (i.e., cases where two or more parties share the maximum score). euandi user data are weighted by age, gender, and education based on socio-demographic information derived from the EES Voter Study sample.

**Table A7.** Correlations between congruence measures constructed from alternative sources by issue (geo-matched euandi user sample).

Issue	Euromanifesto /euandi	N	CHES/euandi	N
Redistribution	-0.25*	55	0.57***	55
Immigration	0.21	54	0.44***	54
EU integration	0.61***	56	0.71***	56
Gender issues	-0.02	56	0.45***	56
Environment	0.15	53	0.27**	53

Note: Pearson correlations ( $r$ ). \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . Ns are pairwise complete observations. The sample is restricted to euandi respondents whose IP-based geo-localization matched the country version of the questionnaire they selected.

**Table A8.** Correlations between congruence measures constructed from alternative sources by issue (filtered by interview time (10th–90th percentile)).

Issue	Euromanifesto/euandi	N	CHES/euandi	N
Redistribution	-0.09	59	0.56***	59
Immigration	0.23*	58	0.45***	58
EU integration	0.63***	60	0.72***	60
Gender issues	0.02	60	0.47***	60
Environment	0.17	57	0.28**	57

Note: Pearson correlations ( $r$ ). \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . Ns are pairwise complete observations. Analysis excludes euandi respondents with an interview time below the 10th percentile or above the 90th percentile.

**Table A9.** OLS regression model explaining divergence between CHES- and Euromanifesto-based congruence measures

	Diff. CHES/Euromanifesto
Length of manifesto	0.00 (0.00)
Expert uncertainty	-0.03 (0.03)
Government	-0.12 (0.11)
Vote share	0.00 (0.00)
$R^2$	0.04
Observations	58

Note: Standard errors in parentheses. The dependent variable is the absolute difference between the congruence estimates derived from the specified sources. Significance levels: \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$

Table A10. Correlations between congruence measures constructed from alternative datasets by issue domain (European Social Survey (ESS) vs alternative measures).

Issue	ESS/Euromanifesto	N	ESS/EES (CHES)	N	ESS/euandi	N
Redistribution	-0.08	55	0.92***	55	0.57***	54
Immigration	0.16	55	0.86***	55	0.45***	53
EU integration	0.63***	55	0.96***	55	0.67***	55
Gender issues	0.10	55	0.81***	55	0.66***	55
Environment	0.27**	55	0.93***	55	0.30**	52

Note: Pearson correlations ( $r$ ). \* $p < 0.10$ , \*\* $p < 0.05$ , \*\*\* $p < 0.01$ . Ns are pairwise complete observations.