

SUPPLEMENTARY MATERIALS

Table S1. The Dynamics of Media Agendas, Country Fixed Effects Included

	Media Attention to General Issue				
PULSE _{ij}	-5.64 (10.92)			13.77 (13.00)	13.71 (12.97)
STEP _{ij}		20.08 (15.61)		71.55 (20.85)**	72.55 (20.73)**
RAMP _{ij}			-2.54 (6.94)	-22.33 (6.55)**	-22.46 (6.52)**
TONE _i					8.44 (8.81)
ISSUE1 _i : Economic					7.28 (49.32)
ISSUE2 _i : Environment					28.25 (49.83)
ISSUE3 _i : Rights					53.45 (47.41)
ISSUE4 _i : Other					40.23 (46.52)
COUNTRY1 _i : Belgium	-21.85 (21.21)	-21.42 (21.71)	-20.62 (20.85)	-22.08 (18.35)	-17.95 (19.39)
COUNTRY2 _i : Czech Republic	-60.08 (22.67)**	-61.30 (22.97)**	-58.71 (21.84)**	-63.26 (19.79)**	-91.07 (21.80)**
COUNTRY3 _i : Netherlands	29.27 (23.15)	28.88 (23.69)	31.09 (23.07)	28.34 (20.20)	31.90 (22.24)
COUNTRY4 _i : Spain	4.38 (16.24)	4.44 (16.46)	6.99 (16.23)	-4.22 (13.44)	5.21 (18.76)
COUNTRY5 _i : Sweden	7.05 (23.80)	6.42 (24.33)	8.75 (22.99)	9.75 (21.98)	28.13 (25.58)
COUNTRY6 _i : Switzerland	-84.34 (21.51)**	-86.41 (21.06)**		-84.46 (18.37)**	-109.42 (23.64)**
COUNTRY7 _i : Denmark	411.97 (122.71)**	411.73 (123.57)**	413.80 (121.28)**	411.38 (124.01)**	411.63 (128.03)**
COUNTRY8 _i : Germany	75.92 (71.87)	74.02 (72.71)	76.81 (70.70)	73.90 (66.50)	77.13 (67.92)
Intercept	86.71 (21.59)**	82.00 (23.45)**	86.11 (21.71)**	82.59 (20.94)**	28.61 (61.82)
R ²	0.41	0.42	0.42	0.43	0.43
Panel _s	48	48	48	48	48
N	816	816	816	816	816

* $p < 0.05$; ** $p < 0.01$

Table S2. Dynamic Model of Contextual Predictors on Media Coverage of Protest Issues, Country Fixed Effects Included

	Media Attention to General Issue	
PULSE _{ij}	16.73 (13.46)	7.25 (7.34)
STEP _{ij}	73.08 (21.74)**	54.74 (11.03)**
RAMP _{ij}	-21.91 (6.82)**	-13.65 (3.68)**
TONE _i	10.01 (10.77)	15.41 (13.94)
SIZE _i	2.26 (5.29)	-0.18 (4.16)
COUNTER _i	65.55 (10.75)**	72.25 (18.10)**
DEMPOL _i	27.28 (6.85)**	26.37 (7.81)**
TRIGGER _i	-7.00 (20.08)	-3.99 (23.29)
SIZE _i * PULSE _{ij}		23.74 (7.44)**
SIZE _i * STEP _{ij}		46.87 (11.41)**
SIZE _i * RAMP _{ij}		-15.14 (3.64)**
COUNTER _i * PULSE _{ij}		-22.00 (21.89)
COUNTER _i * STEP _{ij}		-75.41 (35.55)*
COUNTER _i * RAMP _{ij}		26.93 (10.54)*
DEMPOL _i * PULSE _{ij}		13.67 (5.99)*
DEMPOL _i * STEP _{ij}		-23.72 (9.25)*
DEMPOL _i * RAMP _{ij}		8.66 (3.05)**
TRIGGER _i * PULSE _{ij}		19.75 (23.20)
TRIGGER _i * STEP _{ij}		55.83 (38.03)
TRIGGER _i * RAMP _{ij}		-23.49 (11.40)*
ISSUE1 _i : Economic	4.12 (49.23)	-6.71 (45.29)
ISSUE2 _i : Environment	24.01 (48.85)	14.38 (46.83)
ISSUE3 _i : Rights	29.36 (49.50)	19.60 (46.41)
ISSUE4 _i : Other	-6.08 (45.74)	-21.05 (42.45)
COUNTRY1 _i : Belgium	-61.25 (27.64)*	-62.12 (28.16)*
COUNTRY2 _i : Czech Republic	-125.68 (17.09)**	-130.19 (18.39)**
COUNTRY3 _i : Netherlands	13.73 (22.19)	11.26 (22.63)
COUNTRY4 _i : Spain	-38.43 (18.54)*	-43.28 (17.56)*
COUNTRY5 _i : Sweden	30.57 (31.05)	31.98 (32.92)
COUNTRY6 _i : Switzerland	-111.85 (19.81)**	-114.95 (19.74)**
COUNTRY7 _i : Denmark	393.71 (130.60)**	387.03 (130.46)**
COUNTRY8 _i : Germany	61.84 (70.82)	58.63 (68.78)
Intercept	-40.16 (71.53)	-40.63 (79.36)
R ²	0.44	0.45
Panels	48	48
N	816	816

+ $p < 0.1$; * $p < 0.05$; ** $p < 0.01$

Table S3. Bivariate Correlation Matrix of Predictor Variables (p-value reported in light grey text)

	PULSE _{ij}	STEP _{ij}	RAMP _{ij}	SIZE _i	COUNTER _i	DEMPOL _i	TRIGGER _i	TONE _i	SIZE _i * PULSE _{ij}	SIZE _i * STEP _{ij}	SIZE _i * RAMP _{ij}	COUNTER _i * PULSE _{ij}	COUNTER _i * STEP _{ij}	COUNTER _i * RAMP _{ij}	DEMPOL _i * PULSE _{ij}	DEMPOL _i * STEP _{ij}	DEMPOL _i * RAMP _{ij}	TRIGGER _i * PULSE _{ij}	TRIGGER _i * STEP _{ij}	TRIGGER _i * RAMP _{ij}
PULSE _{ij}	1.00																			
STEP _{ij}	-0.14	1.00																		
	0.00																			
RAMP _{ij}	-0.12	0.89	1.00																	
	0.00	0.00																		
SIZE _i	0.00	0.00	0.00	1.00																
	1.00	1.00	1.00																	
COUNTER _i	0.00	0.00	0.00	0.36	1.00															
	1.00	1.00	1.00	0.00																
DEMPOL _i	0.00	0.00	0.00	0.17	0.00	1.00														
	1.00	1.00	1.00	0.00	0.97															
TRIGGER _i	0.00	0.00	0.00	0.12	0.01	0.27	1.00													
	1.00	1.00	1.00	0.00	0.83	0.00														
TONE _i	0.00	0.00	0.00	0.04	0.07	0.27	-0.05	1.00												
	1.00	1.00	1.00	0.27	0.04	0.00	0.14													
SIZE _i * PULSE _{ij}	0.00	0.00	0.00	0.24	0.09	0.04	0.03	0.01	1.00											
	1.00	1.00	1.00	0.00	0.01	0.24	0.40	0.79												
SIZE _i * STEP _{ij}	0.00	0.00	0.00	0.49	0.17	0.08	0.06	0.02	0.00	1.00										
	1.00	1.00	1.00	0.00	0.00	0.02	0.09	0.60	1.00											
SIZE _i * RAMP _{ij}	0.00	0.00	0.00	0.44	0.16	0.08	0.05	0.02	0.00	0.91	1.00									
	1.00	1.00	1.00	0.00	0.00	0.03	0.12	0.63	1.00	0.00										
COUNTER _i * PULSE _{ij}	0.37	-0.05	-0.05	0.08	0.23	0.00	0.00	0.02	0.33	0.00	0.00	1.00								
	0.00	0.14	0.19	0.02	0.00	0.99	0.96	0.64	0.00	1.00	1.00									
COUNTER _i * STEP _{ij}	-0.05	0.34	0.30	0.16	0.46	0.00	0.00	0.03	0.00	0.33	0.31	-0.02	1.00							
	0.18	0.00	0.00	0.00	0.00	0.99	0.92	0.35	1.00	0.00	0.00	0.62								
COUNTER _i * RAMP _{ij}	-0.04	0.31	0.35	0.15	0.42	0.00	0.00	0.03	0.00	0.30	0.33	-0.02	0.91	1.00						
	0.22	0.00	0.00	0.00	0.00	0.99	0.93	0.39	1.00	0.00	0.00	0.65	0.00							
DEMPOL _i * PULSE _{ij}	0.00	0.00	0.00	0.04	0.00	0.24	0.07	0.06	0.17	0.00	0.00	0.00	0.00	0.00	1.00					
	1.00	1.00	1.00	0.24	0.99	0.00	0.06	0.06	0.00	1.00	1.00	0.97	1.00	1.00						
DEMPOL _i * STEP _{ij}	0.00	0.00	0.00	0.08	0.00	0.49	0.13	0.13	0.00	0.17	0.16	0.00	0.00	0.00	0.00	1.00				
	1.00	1.00	1.00	0.02	0.99	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.97	0.97	1.00					
DEMPOL _i * RAMP _{ij}	0.00	0.00	0.00	0.08	0.00	0.44	0.12	0.12	0.00	0.16	0.17	0.00	0.00	0.00	0.00	0.91	1.00			
	1.00	1.00	1.00	0.03	0.99	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.97	0.97	1.00	0.00				
TRIGGER _i * PULSE _{ij}	0.74	-0.10	-0.09	0.02	0.00	0.04	0.16	-0.01	0.08	0.00	0.00	0.28	-0.03	-0.03	0.18	0.00	0.00	1.00		
	0.00	0.00	0.01	0.57	0.97	0.20	0.00	0.81	0.02	1.00	1.00	0.00	0.32	0.37	0.00	1.00	1.00			
TRIGGER _i * STEP _{ij}	-0.10	0.70	0.63	0.04	0.00	0.09	0.34	-0.02	0.00	0.09	0.08	-0.04	0.24	0.22	0.00	0.19	0.18	-0.07	1.00	
	0.01	0.00	0.00	0.23	0.94	0.01	0.00	0.61	1.00	0.01	0.02	0.30	0.00	0.00	1.00	0.00	0.00	0.04		
TRIGGER _i * RAMP _{ij}	-0.09	0.63	0.71	0.04	0.00	0.08	0.31	-0.02	0.00	0.08	0.09	-0.03	0.22	0.25	0.00	0.17	0.19	-0.07	0.90	1.00
	0.01	0.00	0.00	0.28	0.95	0.02	0.00	0.65	1.00	0.03	0.01	0.35	0.00	0.00	1.00	0.00	0.00	0.06	0.00	

Table S4. List of Demonstrations, Date and Estimated Size

ID	Demonstration (Location)	Country*	Date	Size (000s)	Size: Police Estimate	Size: Media Estimate	Size: Coder Estimate
1	Climate Change (Brussels)	Belgium	05-Dec-09	14.3	13000	15000	15000
2	March for Work (Brussels)	Belgium	29-Jan-10	30.9	26800	35000	
3	No to Austerity (Brussels)	Belgium	29-Sep-10	65.3	56000	70000	70000
4	No Government, Great Country (Brussels)	Belgium	23-Jan-11	36.3	30000	34000	45000
5	Non-Profit Demonstration (Brussels)	Belgium	29-Mar-11	14.6	13800	15000	15000
6	Not in Our Name (Brussels)	Belgium	07-May-11	0.7	700	700	700
7	We have alternatives (Brussels)	Belgium	02-Dec-11	60.6	51649	60000	70000
8	Prague Pride (Prague)	Czech Republic	18-Aug-12	9.7	10000	10000	9000
9	Stop the Government (Prague)	Czech Republic	17-Nov-12	10.3	10000	15000	6000
10	The End of Godfathers (Prague)	Czech Republic	07-Apr-13	0.5	500	500	600
11	Climate March (Copenhagen)	Denmark	12-Dec-09	68.3	65000	100000	40000
12	Anti Nuclear Manifestation (Beznau)	Germany	22-May-11	20.0	20000	20000	20000
13	Anti-nuclear (Mühleberg)	Germany	11-Mar-12	6.3	8000	8000	3000
14	Retirement demonstration (Rotterdam)	Netherlands	21-Nov-09	8.5		10000	7000
15	Climate demo (Utrecht)	Netherlands	12-Dec-09	4.2	5500	3500	3500
16	Student demo 1 (Amsterdam)	Netherlands	21-May-10	4.0	6000		2000
17	Culture demo Amsterdam (Amsterdam)	Netherlands	20-Nov-10	15.8	12500	20000	15000
18	Culture demo Utrecht (Utrecht)	Netherlands	20-Nov-10	2.4	2250	2500	2500
19	Student demo 2 (The Hague)	Netherlands	21-Jan-11	15.0	15000	15000	15000
20	Together strong for public work (The Hague)	Netherlands	17-Feb-11	8.5	7500	10000	8000
21	Anti Nuclear demo (Amsterdam)	Netherlands	16-Apr-11	2.5	2000	3000	2500
22	Military demo (The Hague)	Netherlands	26-May-11	4.8	5000	5500	4000
23	Stop budget cuts (care & welfare) (The Hague)	Netherlands	19-Sep-11	6.5	5000	10000	4500
24	Occupy Netherlands (Amsterdam, Utrecht, Rotterdam)	Netherlands	05-Nov-11	0.1			120
25	Demonstration against language decree (Santiago de Compostela)	Spain	21-Jan-10	43.3	30000	60000	40000
26	Against the Europe of Capital, Crisis and War (Barcelona)	Spain	28-Jan-10	1.3	1500	1000	1500
27	Demonstration Against Abortion (Madrid)	Spain	07-Mar-10	123.4	250000	55316	65000
28	1st May, Labour Day (Barcelona)	Spain	01-May-10	8.3	7000	10000	8000
29	Demonstration against the new labour law (Santiago de Compostela)	Spain	30-Jun-10	7.3	6000	6000	10000
30	We are a nation, we decide (Barcelona)	Spain	10-Jul-10	841.7	1100000	425000	1000000
31	Against Labor Law (Madrid)	Spain	29-Sep-10	37.4	40000	17228	55000
32	Celebration May Day (Vigo)	Spain	01-May-11	10.7	2000	15000	15000
33	Real Democracy Now! We are not good in the hands of politicians and bankers! (Madrid)	Spain	15-May-11	23.3	20000	25000	25000
34	May 1 March, Left Party (Stockholm)	Sweden	01-May-10	7.1		10000	4200
35	May 1 March, Social Democratic Party (Stockholm)	Sweden	01-May-10	4.7	6000	5000	3000
36	Against racist politics (Stockholm)	Sweden	04-Oct-10	3.7		4500	2800
37	Anti-nuclear demonstration (Stockholm)	Sweden	26-Apr-11	1.0			1000
38	May Day (Left Party) (Malmö)	Sweden	01-May-11	2.1	2500	1700	2000
39	May Day (SAP/LO) (Malmö)	Sweden	01-May-11	1.1	1500	1000	900

40	May Day (Left Party) (Gothenburg)	Sweden	01-May-12	2.2	0	3400	3300
41	May Day (Social Democratic Party/LO) (Gothenburg)	Sweden	01-May-12	2.8		3200	2450
42	Rainbow Parade (LGBTQ festival) (Gothenburg)	Sweden	03-Jun-12	6.2		9000	3300
43	Women demonstration Geneva (Geneva)	Switzerland	14-Jun-11	1.3	1000	1500	1500
44	National Climate March (London)	UK	05-Dec-09	50.0		50000	50000
45	May Day Labour March (London)	UK	01-May-10	4.7	3000	6000	5000
46	Take Back Parliament (London)	UK	15-May-10	2.0			2000
47	Million Women Rise (London)	UK	05-Mar-11	4.1	1400	8000	3000
48	TUC's March for the Alternative: Jobs, Growth, Justice (London)	UK	26-Mar-11	283.3	100000	500000	250000

Table S5. Newspapers analysed and their characteristics.

Country	Selected newspapers	Ideological orientation	Daily circulation	Year established	Location of headquarters
Belgium	<i>De Morgen</i>	Left / socialistic	75,000 (2009)	1978	Asse
	<i>De Standaard</i>	Centre / Catholic / Flemish	110,000 (2007)	1918	Groot-Bijgaarden
	<i>Het Laatste Nieuws</i>	Liberal / Right / Anti-clerical / Flemish	370,000 (2010)	1888	Asse
	<i>Het Nieuwsblad</i>	Liberal / Flemish	300,000 (2010) *	1929	Groot-Bijgaarden
Czech Republic	<i>Mladá fronta DNES</i>	Right wing conservatism, neoliberalism	205,000 (April-September 2012)	1945	Prague
	<i>PRÁVO</i>	Left-wing	112,000 (April-September 2012) §	1991	Prague
	<i>Blesk</i>	Populist	347,566 (2011) §	1991	Prague
	<i>Aha!</i>	Right slant	88,671 (2011) §	2004	Prague
Netherlands	<i>NRC Handelsblad</i>	Left liberal	201,919 (2011) §	1970	Amsterdam
	<i>De Volkskrant</i>	Centre-left	259,968 (2011) §	1919	Amsterdam
	<i>De Telegraaf</i>	Populist-right	618,876 (2011) §	1893	Amsterdam
	<i>Het Algemeen Dagblad</i>	Regional	365,912 (2014) +	1946	Rotterdam
Spain	<i>ABC</i>	Right	314,271	1903	Madrid
	<i>El País</i>	Left	473,407	1976	Madrid
	<i>El Mundo</i>	Centre-right	252,770 (2011) §	1989	Madrid
	<i>El Periodico de Catalunya</i>	Centre-left	119,374 (2011) §	1978	Catalonia
Sweden	<i>Dagens Nyheter</i>	Liberal	285,700 (2011) §	1984	Stockholm
	<i>Göteborgs-Posten</i>	Liberal	173,700 (2013) --	1813	Gothenburg
	<i>Göteborgs-Tidningen</i>	Regional	Circulation details not readily available. The paper is a local edition of <i>Expressen</i> .	1902	Gothenburg
	<i>Aftonbladet</i>	Left wing (social democratic)	320,200 (2010) §	1830	Stockholm
UK	<i>Guardian</i>	Left wing liberal	230,108 (Dec 2012, ABC)	1821	London
	<i>Telegraph</i>	Right wing	587, 040 (Dec 2011, ABC)	1855	London
	<i>The Daily Mirror</i>	Centre left Populist	1,092,182 (Dec 2011, ABC)	1903	London
	<i>The Sun</i>	Right wing Populist	2,530,843 (Dec 2011, ABC)	1964	London

Unless otherwise specified, data is sourced from European Social Survey (2012) 'Media Landscape, Media Claims ESS2012', Version 4. Available at: www.europeansocialsurvey.org/docs/round6/methods/ESS6_media_landscape_media_claims_ed_04_0.pdf. Last accessed 01/01/2016.

* *Singer, Jane B.; Domingo, David; Heinonen, Ari; Alfred Hermida; Steve Paulussen; Thorsten Quandt; Zvi Reich; Marina Vujanovic (2011). [Participatory Journalism: Guarding Open Gates at Online Newspapers](#). John Wiley & Sons. p. 196.*

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