				<u> </u>	nt_renewables roads_infrastructur		ren dams_river				ications tax_insuranc			oatients natural_disaste								_	
tercept)	0.0327^{***}	0.0482***	0.0351***	0.0196***	0.0068	0.0390***	0.0039	0.0487^{***}	0.0659***	0.0324***	-0.0023	0.0163***	0.0176***	0.0134^{*}	0.0095^*	0.0202^{***}	0.0181^{**}	0.0271***	0.0199*** 0.01	8** 0.0065	0.1406^{***}	0.0583***	-0.0170
	(0.0069)	(0.0101)	(0.0073)	(0.0057)	(0.0079)	(0.0068)	(0.0044)	(0.0082)	(0.0093)	(0.0056)	(0.0049)	(0.0048)	(0.0049)	(0.0057)	(0.0040)	(0.0055)	(0.0060)	(0.0055)	(0.0043) $(0.00$	61) (0.0070)	(0.0121)	(0.0109)	(0.0207)
mutohyo	0.0092^{***}	0.0083*	0.0076^{**}	0.0051**	0.0034	0.0033	0.0033^*	0.0015	0.0013	0.0012	0.0011	0.0008	0.0007	0.0006	0.0003	0.0002	0.0001	0.0001	-0.0000 -0.00	09 -0.0011	-0.0040	-0.0043	-0.0150
	(0.0024)	(0.0035)	(0.0025)	(0.0020)	(0.0027)	(0.0023)	(0.0015)	(0.0028)	(0.0032)	(0.0019)	(0.0017)	(0.0017)	(0.0017)	(0.0020)	(0.0014)	(0.0019)	(0.0021)	(0.0019)	(0.0015) $(0.00$	21) (0.0024)	(0.0041)	(0.0037)	(0.007)
	-0.0036***	-0.0007	-0.0002	-0.0034***	-0.0033***	-0.0026***	-0.0009**	-0.0011	0.0006	-0.0019***	0.0002	-0.0010**	-0.0009*	-0.0013**	-0.0009**	0.0006	-0.0026**	-0.0014***	-0.0002 -0.00	***	0.0008	-0.0013	0.0099
	(0.0005)	(0.0008)	(0.0006)	(0.0004)	(0.0006)	(0.0005)	(0.0003)	(0.0006)	(0.0007)	(0.0004)	(0.0004)	(0.0004)	(0.0004)	(0.0004)	(0.0003)	(0.0004)	(0.0005)	(0.0004)	(0.0003) $(0.00$		(0.0009)	(0.0008)	(0.001
totseat	-0.0020***	-0.0004	0.0001	-0.0009***	-0.0002	0.0004	-0.0002	0.0010**	0.0009^*	-0.0006*	0.0007***	-0.0002	0.0003	-0.0002	-0.0001	0.0003	0.0006^*	0.0003	0.0004* 0.00	0.0011***	0.0007	0.0005	0.000
	(0.0023)	(0.0004)	(0.0003)	(0.0002)	(0.0003)	(0.0003)	(0.0002)	(0.0003)	(0.0004)	(0.0002)	(0.0002)	(0.0002)	(0.0002)	(0.0002)	(0.0002)	(0.0002)	(0.0003)	(0.0002)	(0.0001) (0.00)	00) (0.0000)	(0.0005)	(0.0005)	(0.000
	-0.0025	0.0012	0.0037	0.0012	-0.0063*	0.0011	-0.0024	-0.0051	0.0010	0.0027	0.0051**	-0.0002	0.0022	0.0001	-0.0005	-0.0021	-0.0020	0.0015	0.0003 -0.00	, , ,	-0.0051	-0.0031	0.004
secretary TROL	(0.0026)	(0.0038)	(0.0027)	(0.0012)	(0.0030)	(0.0026)	(0.0016)			(0.0027)			(0.0018)	(0.0022)		(0.0021)	(0.0023)	(0.0013			(0.0046)	(0.0041)	
city assemblyTRUE			,	` '		,	` /	(0.0031)	(0.0035)	` /	(0.0019)	(0.0018)		` /	(0.0015)		,	,	(0.0016) $(0.00$, , , , ,	,		(0.00)
city_assembly I RUE		0.0007	0.0024	-0.0024	0.0047*	-0.0017	0.0013	0.0035	0.0049	0.0013	0.0018	0.0023	-0.0004	0.0024	0.0032***	0.0034*	0.0005	-0.0031	0.0026 0.000		0.0124***	-0.0051	-0.00
	(0.0020)	(0.0029)	(0.0021)	(0.0017)	(0.0023)	(0.0020)	(0.0013)	(0.0024)	(0.0027)	(0.0016)	(0.0014)	(0.0014)	(0.0014)	(0.0017)	(0.0012)	(0.0016)	(0.0017)	(0.0016)	(0.0012) $(0.00$, , ,	(0.0035)	(0.0031)	(0.00)
party ��	-0.0112	-0.0025	-0.0076	-0.0025	-0.0340*	-0.0221	-0.0165	-0.0467	0.0093	-0.0111	0.0003	-0.0136	0.0093	-0.0261*	-0.0041	0.0037	-0.0240	-0.0030	-0.0107 0.01	4 -0.0084	-0.0106	-0.0154	-0.040
	(0.0148)	(0.0216)	(0.0155)	(0.0123)	(0.0169)	(0.0145)	(0.0094)	(0.0176)	(0.0200)	(0.0121)	(0.0105)	(0.0103)	(0.0104)	(0.0123)	(0.0086)	(0.0117)	(0.0129)	(0.0118)	(0.0092) (0.01)		(0.0259)	(0.0232)	(0.044)
party ��	-0.0043	-0.0287***	-0.0044	-0.0082	-0.0240***	-0.0256***	-0.0005	-0.0416***	0.0020	-0.0074	0.1469^{***}	0.0063	-0.0070*	-0.0094*	0.0023	0.0283^{***}	0.0067	-0.0155***	-0.0050 0.01	0.0505***	0.0151	-0.0303***	* -0.092
	(0.0051)	(0.0074)	(0.0053)	(0.0042)	(0.0058)	(0.0050)	(0.0032)	(0.0060)	(0.0068)	(0.0041)	(0.0036)	(0.0035)	(0.0035)	(0.0042)	(0.0029)	(0.0040)	(0.0044)	(0.0040)	(0.0032) $(0.00$, ,	(0.0088)	(0.0079)	(0.01)
	-0.0021	-0.0151**	-0.0041	-0.0074*	-0.0210***	0.0248***	0.0009	-0.0106*	0.0033	-0.0058*	0.0038	0.0077**	0.0297***	0.0112***	-0.0009	0.0035	-0.0006	0.0099***	-0.0048* 0.02	7*** 0.0011	0.0027	-0.0167**	-0.040
	(0.0036)	(0.0053)	(0.0038)	(0.0030)	(0.0042)	(0.0036)	(0.0023)	(0.0043)	(0.0049)	(0.0030)	(0.0026)	(0.0025)	(0.0026)	(0.0030)	(0.0021)	(0.0029)	(0.0032)	(0.0029)	(0.0023) (0.00		(0.0064)	(0.0057)	(0.010
party ��	-0.0148	-0.0066	-0.0011	-0.0093	-0.0161	0.0027	0.0017	-0.0258**	0.0395***	0.0059	0.0438***	0.0153**	-0.0022	-0.0053	0.0132**	0.0354***	0.0109	0.0067	-0.0084 0.01	* ***	0.0305*	-0.0233	-0.048
	(0.0081)	(0.0118)	(0.0085)	(0.0067)	(0.0092)	(0.0079)	(0.0051)	(0.0096)	(0.0109)	(0.0066)	(0.0058)	(0.0056)	(0.0057)	(0.0067)	(0.0047)	(0.0064)	(0.0071)	(0.0065)	(0.0050) $(0.00$		(0.0141)	(0.0127)	(0.024
party ��	0.0262***	<u> </u>	-0.0025	v	-0.0135	-0.0007		-0.0113	0.0057	-0.0060	0.0075	-0.0007	-0.0005	-0.0010	0.0033	-0.0010	-0.0029	0.0097	-0.0004 -0.00	, , , , , , , , , , , , , , , , , , ,	0.0143	0.0128	-0.040
	(0.0262)	0.0212		0.0141	(0.0076)	(0.0065)	0.0181^{***} (0.0042)		(0.0037)	(0.0054)	(0.0047)	(0.0046)	(0.0046)	(0.0055)		(0.0052)	(0.0058)	(0.0057)	(0.00.44)	- 0\ (0.00.55)	(0.0116)	(0.0128	(0.019)
	` /	(0.0096)	(0.0069)	(0.0055)	` /	,	` /	(0.0079)	` /	` /		,	`	` '	(0.0038)	` /	,	ale ale	(0.0041) $(0.00$	de de de		(0.0104) -0.0147***	
• •	-0.0021	0.0009	-0.0080**	-0.0027	-0.0165***	0.0127***	-0.0030	-0.0144	0.0195***	-0.0031	0.0046*	0.0032	0.0057**	-0.0000	0.0025	0.0070**	0.0011	0.0066**	-0.0030 0.01	8*** -0.0000			
	(0.0028)	(0.0041)	(0.0030)	(0.0023)	(0.0032)	(0.0028)	(0.0018)	(0.0034)	(0.0038)	(0.0023)	(0.0020)	(0.0020)	(0.0020)	(0.0023)	(0.0016)	(0.0022)	(0.0025)	(0.0022)	(0.0018) (0.00	*	(0.0049)	(0.0044)	(0.008
party ••	0.0025	-0.0127***	-0.0104***		0.0028	0.0049	-0.0002	-0.0028	0.0093**	-0.0016	0.0062^{***}	0.0030	0.0015	-0.0010	0.0018	0.0055**	0.0030	0.0014	0.0038^* 0.004		0.0205***	0.0030	-0.038
	(0.0026)	(0.0038)	(0.0027)	(0.0021)	(0.0030)	(0.0025)	(0.0016)	(0.0031)	(0.0035)	(0.0021)	(0.0018)	(0.0018)	(0.0018)	(0.0021)	(0.0015)	(0.0020)	(0.0023)	` '	(0.0016) $(0.00$, ,	(0.0045)	(0.0040)	(0.007)
gov_rulingTRUE	0.0030	0.0029	-0.0068*	0.0039	0.0056	-0.0044	0.0019	0.0026	-0.0055	0.0021	-0.0017	0.0009	-0.0003	0.0012	0.0002	-0.0001	0.0008	0.0035	0.0017 0.00	8 -0.0025	-0.0012	0.0116^{**}	-0.008
	(0.0027)	(0.0039)	(0.0028)	(0.0022)	(0.0030)	(0.0026)	(0.0017)	(0.0032)	(0.0036)	(0.0022)	(0.0019)	(0.0019)	(0.0019)	(0.0022)	(0.0015)	(0.0021)	(0.0023)	(0.0021)	(0.0017) $(0.00$		(0.0047)	(0.0042)	(0.008)
age	0.0004^{***}	0.0001	-0.0001	0.0004***	0.0001	-0.0002	0.0001	-0.0006***	-0.0006***	0.0001	-0.0000	-0.0001	-0.0002*	-0.0001	-0.0000	-0.0001	-0.0001	-0.0002*	-0.0001* -0.00	0.0001	-0.0007***	0.0001	0.0013
	(0.0001)	(0.0002)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001)	(0.0001) $(0.00$	01) (0.0001)	(0.0002)	(0.0002)	(0.000)
factor(pref_id)8 factor(pref_id)12 factor(pref_id)16	-0.0171***	0.0277***	-0.0159**	-0.0175***	0.0640***	0.0001	-0.0027	0.0029	-0.0153*	-0.0270***	0.0063	0.0061	0.0045	0.0051	0.0032	-0.0185***	0.0045	0.0127***	-0.0139*** 0.00	0.0050	-0.0842***	0.0080	0.008ϵ
	(0.0048)	(0.0070)	(0.0050)	(0.0040)	(0.0055)	(0.0047)	(0.0030)	(0.0057)	(0.0065)	(0.0039)	(0.0034)	(0.0034)	(0.0034)	(0.0040)	(0.0028)	(0.0038)	(0.0042)	(0.0038)	(0.0030) $(0.00$		(0.0084)		(0.014
	-0.0284***				0.0442***	-0.0228***	0.0023	-0.0043	-0.0018	-0.0235***	0.0087**	0.0016	0.0002	0.0023	0.0397***	-0.0246***	0.0018	0.0024	-0.0112*** 0.01	, ,	-0.0210**	-0.0242***	•
	(0.0040)	(0.0058)	(0.0041)	(0.0033)	(0.0045)	(0.0039)	(0.0025)	(0.0047)	(0.0053)	(0.0032)	(0.0028)	(0.0028)	(0.0028)	(0.0033)	(0.0023)	(0.0031)	(0.0034)		(0.0025) $(0.00$		(0.0069)		
	26.26	0.0004	-0.0262***		0.0005		0.0024	0.0074	-0.0232***	-0.0255***	ale ale ale	0.0034	-0.0014	-0.0002	-0.0011	-0.0233***	0.0073	0.0021	0.0338*** 0.00	, , , , , , , , , , , , , , , , , , , ,		,	
	-0.0145**					-0.0102*					0.0140****												
0.1040	(0.0047)	(0.0069)	(0.0050)	(0.0039)	(0.0054)	(0.0046)	(0.0030)	(0.0056)	(0.0064)	(0.0039)	(0.0034)	(0.0033)	(0.0033)	(0.0039)	(0.0028)	(0.0037)	(0.0041)	(0.0038)	(0.0030) $(0.00$, , ,	(0.0083)	` /	`
r(pref_id)18	-0.0166		0.0853***		0.0007	-0.0060	0.0051	0.0254***	-0.0086	-0.0262***	0.0032	-0.0022	-0.0023	-0.0027		0.0286***	0.0108^*	0.0053	0.0410^{***} 0.00		-0.0466***		0.035
	(0.0049)	(0.0071)	(0.0051)	(0.0040)	(0.0056)	(0.0048)	(0.0031)	(0.0058)	(0.0066)	(0.0040)	(0.0035)	(0.0034)	(0.0034)	(0.0040)	(0.0028)	(0.0038)	(0.0042)	(0.0039)	(0.0030) $(0.00$, ,	(0.0085)	,	•
factor(pref_id)23	-0.0444***	-0.0315***	-0.0219***	* -0.0277***	-0.0030	-0.0341***	-0.0043	-0.0168***	-0.0390***	-0.0274***	-0.0059*	-0.0110***	-0.0100***	-0.0118***	-0.0055*	-0.0266***	-0.0084*	-0.0108***	-0.0156*** -0.00	-0.0087 [*]	-0.1031***	· -0.0446***	* -0.037
	(0.0040)	(0.0058)	(0.0042)	(0.0033)	(0.0045)	(0.0039)	(0.0025)	(0.0047)	(0.0053)	(0.0032)	(0.0028)	(0.0028)	(0.0028)	(0.0033)	(0.0023)	(0.0031)	(0.0035)	(0.0032)	(0.0025) $(0.00$	35) (0.0040)	(0.0069)	(0.0062)	(0.011)
or(pref_id)26	-0.0240***	0.0154*	-0.0223***	-0.0130***	0.0263***	0.0045	0.0205^{***}	0.0262^{***}	-0.0206***	-0.0289***	0.0118^{***}	0.0091**	0.0092^{**}	0.0072	0.0013	-0.0206***	0.0156***	0.0238***	-0.0059* 0.01	7*** 0.0066	-0.0641***	-0.0097	0.0998
	(0.0045)	(0.0065)	(0.0047)	(0.0037)	(0.0051)	(0.0044)	(0.0028)	(0.0053)	(0.0060)	(0.0036)	(0.0032)	(0.0031)	(0.0031)	(0.0037)	(0.0026)	(0.0035)	(0.0039)	(0.0036)	(0.0028) $(0.00$		(0.0078)		
r(pref_id)32	-0.0027	0.0449***	-0.0142**		0.0059	0.0072	0.0151***	0.0115*	0.0001	-0.0116**	0.0137***	0.0258***	0.0085*	0.0060	0.0112***	-0.0132***	0.0250***	0.0046	-0.0058 0.02	0.0317***	0.0092	-0.0043	-0.003
	(0.0048)	(0.0070)	(0.0050)	(0.0040)	(0.0055)	(0.0047)	(0.0030)	(0.0057)	(0.0064)	(0.0039)	(0.0034)	(0.0033)	(0.0033)	(0.0040)	(0.0028)	(0.0038)	(0.0042)		(0.0030) $(0.00$		(0.0084)		
r(pref_id)34	-0.0239***	0.0564***	-0.0215***		0.0121*	0.0155***	0.0033	-0.0082	0.0143*	-0.0099**	0.0024	-0.0015	-0.0015	0.0061	-0.0014	-0.0237***	0.0183***	` /	-0.0119*** 0.01	/ /	\ /	,	•
	(0.0043)	(0.0062)	(0.0045)	(0.0035)	(0.0121)	(0.0042)	(0.0027)	(0.0051)	(0.0143)	(0.0035)	(0.0030)	(0.0030)	(0.0030)	(0.0035)	(0.0014)	(0.0034)	(0.0183)	(0.0034)	(0.0027) $(0.00$		(0.0075)		
	(0.0043)	` /	` '		· · · · · · · · · · · · · · · · · · ·	· · ·	, L	,	,	,	` ′	,	0.0030)	· · · · · ·	` ′	` ′	,	'	'	, ,	` '	` '	`
(pref_id)40	-0.0254	0.0002	-0.0234***		0.0040	-0.0028	0.0058*	0.0122*	0.0007	-0.0061	-0.0003	-0.0026		0.0000	0.0031	-0.0171***	0.0227***		-0.0129*** 0.01		-0.0466***		-0.00
0 (0 1) 40	(0.0042)	(0.0061)	(0.0044)	(0.0035)	(0.0048)	(0.0041)	(0.0026)	(0.0050)	(0.0056)	(0.0034)	(0.0030)	(0.0029)	(0.0029)	(0.0035)	(0.0024)	(0.0033)	(0.0036)	,	(0.0026) (0.00	4 444	(0.0073)		(0.0)
ref_id)46	0.0110	0.0241***	-0.0239***		0.0123*	-0.0112**	0.0095***	0.0071		0.0580***	-0.0016	0.0031	0.0021	0.0032	-0.0006	-0.0109**	0.0107**		-0.0088** 0.00				
factor(period)2 factor(period)3	(0.0044)	(0.0065)	(0.0046)	(0.0037)	(0.0051)	(0.0043)	(0.0028)	(0.0053)	(0.0060)	(0.0036)	(0.0032)	(0.0031)	(0.0031)	(0.0037)	(0.0026)	(0.0035)	(0.0039)	(0.0035)	(0.0028) $(0.00$	39) (0.0044)	(0.0077)	(0.0069)	0.0)
	0.0048^*	0.0015	-0.0000	0.0017	0.0024	0.0036	-0.0016	0.0056	0.0033	0.0011	0.0064^{***}	0.0051**	0.0034^*	0.0007	-0.0022	-0.0007	0.0027	-0.0066***	0.0022 0.00	5 -0.0032	0.0046	-0.0086*	-0.
	(0.0024)	(0.0035)	(0.0025)	(0.0020)	(0.0028)	(0.0024)	(0.0015)	(0.0029)	(0.0033)	(0.0020)	(0.0017)	(0.0017)	(0.0017)	(0.0020)	(0.0014)	(0.0019)	(0.0021)	(0.0019)	(0.0015) $(0.00$	21) (0.0024)	(0.0042)	(0.0038)	(0.0)
	0.0006	-0.0260***	-0.0010	-0.0029	0.0063^*	0.0111***	-0.0005	0.0136***	-0.0099**	0.0018	0.0040^{*}	0.0031	0.0046^{**}	0.0249^{***}	-0.0000	0.0151***	0.0008	-0.0025	0.0047^{**} 0.00	8 -0.0029	0.0032	-0.0129***	* -0.0
	(0.0024)	(0.0035)	(0.0025)	(0.0020)	(0.0027)	(0.0024)	(0.0015)	(0.0029)	(0.0032)	(0.0020)	(0.0017)	(0.0017)	(0.0017)	(0.0020)	(0.0014)	(0.0019)	(0.0021)	(0.0019)	(0.0015) $(0.00$	21) (0.0024)	(0.0042)		
	0.0028	-0.0382***	0.0014	-0.0036	0.0098***	0.0322***	0.0015	0.0296***	-0.0066	0.0030	0.0016	0.0049**	0.0050**	0.0184***	-0.0006	0.0036	0.0056^*	-0.0039	0.0063*** 0.01	/ /	-0.0044	-0.0232***	`
		(0.0037)	(0.0014)		(0.0029)	(0.0025)	(0.0016)	(0.0230)	(0.0034)	(0.0021)	(0.0018)	(0.0018)	(0.0018)	(0.0021)	(0.0015)	(0.0020)			(0.0016) (0.0016)			(0.0040)	
					, ,	,	,	,	,	,	,	,	,	, ,		,		, ,		, , ,	, ,		
•		0.2041		0.0986	0.1807	0.2067	0.0801	0.1356	0.0984	0.2960	0.5260	0.0898	0.1104	0.1197	0.2606	0.1857	0.1089		0.2847 0.14			0.1499	
R^2	0.1273	0.1960	0.2282	0.0894	0.1724	0.1986	0.0708	0.1268	0.0892	0.2888	0.5211	0.0806	0.1014	0.1108	0.2531	0.1774		0.1034	0.2774 0.13			0.1413	
-	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682	2682 2682	2682	2682		2682

*** p < 0.001; **p < 0.01; *p < 0.05. All models were estimated using OLS regression. Standard errors are in parenthesis. Unit of analysis is how much legislators had spoken on the specific topics.

Table of figure 1 full regression results: Effect political competition had on topics covered by legislator