Table 6 - Appendix 1: Parameters values and results of the robustness test

Cluster 1	Cluster 2	Cluster 3	Cluster 4	Cluster 5	Cluster 6		Cluster 8	Cluster 9	Cluster 10		
Classification type: Simple - # of analyzed forms: 1,930 (>=22) - % of encompassed t. s.: 78.38% data model firm term waste to organize purchaser to sell president euro											
data	model	firm	term	waste	to organize			president	euro		
(603.29)	(523.14)	(374.39)	(339.51)	(1843.32)	(519.82)	(720.98)	(1127.2)	(696.24)	(1879.28)		
digital (381.26)	to change	consultancy	political	recycling (1061.14)	theme	public	to rent (857.60)	jean (634.41)	funds		
` ′	(413.18)	(370.81) association	(331.79) social	` '	(503.63)	(669.32)	` /	(634.41) françois	(1780.05)		
to connect (346.66)	new (203.64)	(331.09)	(321.40)	matter (899.97)	hour (465.98)	market (525.82)	renting (726.14)	(607.48)	nord (1401.95)		
internet	really	development	economical		tuesday	purchase	machine	director	calais		
(303.37)	(197.29)	(289.14)	(298.56)	(779.53)	(378.13)	(525.57)	(500.41)	(600.43)	(1108.06)		
customer	thing	club	climatic	to recycle	conference	procur.	tire	michel	third		
(282.02)	(153.69)	(266.09)	(269.96)	(635.24)	(363.19)	(490.41)	(500.02)	(536.36)	(1006.33)		
		le - # of analyz						(330.30)	(1000.55)		
social	director	firm	model	waste	emission	to orga.	data	to sell	circular		
(542.79)	(800.21)	(331.67)	(244.08)	(1763.90)	(921.76)	(605.98)	(629.56)	(1060.3)	(741.65)		
political	president	pole	deep	recycling	energy	hour	digital	to rent	law		
(300.70)	(590.68)	(248.52)	(167.27)	(1167.80)	(901.76)	(507.00)	(448.75)	(835.62)	(725.95)		
economical		cluster	crisis	reuse	gas	thursday	to conn.	renting	ademe		
(297.45)	(330.09)	(239.47)	(167.07)	(644.78)	(789.23)	(399.27)	(400.05)	(794.97)	(420.64)		
term	founder	association	to change	to recycle	greenhouse	april	digit	car	mp		
(272.69)	(285.42)	(218.32)	(166.75)	(638.07)	(533.17)	(383.60)	(313.21)	(485.17)	(400.01)		
environm.	general	project	change	reemploy.	co2	friday	internet	vehicle	minister		
(271.80)	(265.33)	(210.26)	(141.57)	(601.05)	(464.24)	(304.33)	(289.50)	(457.01)	(395.61)		
Classification	on type: Simp	le - # of analyz	ed forms: 4,3	369 (>=6) - %	of encompass	sed t. s.: 85.	20%	,	,		
director	term	to implem.	waste	emission	work	circular	to sell	climatic	data		
(414.29)	(429.49)	(338.48)	(1897.25)	(1122.23)	(647.12)	(613.75)	(894.98)	(334.40)	(904.06)		
hub	model	actor	recycling	gas	job	minister	renting	country	to conn.		
(358.04)	(378.44)	(287.76)	(1278.73)	(1017.59)	(391.85)	(544.90)	(802.51)	(285.84)	(713.93)		
association	economical	implementa.	to recycle	energy	value	institute	to rent	change	digital		
(320.21)	(357.38)	(192.96)	(887.69)	(927.70)	(337.28)	(493.07)	(779.44)	(228.95)	(555.59)		
club	long	role	reemploy.	greenhouse	relevance	law	car	growth	digit		
(262.50)	(186.52)	(189.66)	(690.68)	(630.01)	(314.43)	(477.66)	(456.10)	(193.66)	(520.30)		
firm	impact	organization	material	co2	productivity	mp	sales	inequality	internet		
(247.83)	(173.66)	(177.29)	(687.64)	(533.46)	(294.15)	(414.28)	(431.94)	(173.14)	(464.11)		
Classification type: Simple - # of analyzed forms: 5,436 (>=4) - % of encompassed t. s.: 90.41%											
						sed t. s.: 90.		,	,		
to implem.	waste	car	to sell	hub	minister	sed t. s.: 90. climatic	funds	data	public		
to implem. (252.73)	waste (1270.76)	car (816.30)	to sell (1549.45)	hub (352.57)	minister (542.84)	sed t. s.: 90. climatic (243.87)	funds (1779.95)	(1012.80)	(826.99)		
to implem. (252.73) economical	waste (1270.76) recycling	car (816.30) renting	to sell (1549.45) michelin	hub (352.57) firm	minister (542.84) circular	sed t. s.: 90. climatic (243.87) growth	funds (1779.95) euro	(1012.80) digital	(826.99) purchaser		
to implem. (252.73) economical (212.07)	waste (1270.76) recycling (871.06)	car (816.30) renting (554.68)	to sell (1549.45) michelin (903.90)	hub (352.57) firm (350.47)	minister (542.84) circular (486.53)	sed t. s.: 90. climatic (243.87) growth (238.93)	funds (1779.95) euro (1520.87)	(1012.80) digital (787.30)	(826.99) purchaser (693.80)		
to implem. (252.73) economical (212.07) new	waste (1270.76) recycling (871.06) matter	car (816.30) renting (554.68) vehicle	to sell (1549.45) michelin (903.90) tire	hub (352.57) firm (350.47) director	minister (542.84) circular (486.53) institute	climatic (243.87) growth (238.93) crisis	funds (1779.95) euro (1520.87) nord	(1012.80) digital (787.30) to conn.	(826.99) purchaser (693.80) procurement		
to implem. (252.73) economical (212.07) new (200.07)	waste (1270.76) recycling (871.06) matter (741.73)	car (816.30) renting (554.68) vehicle (474.56)	to sell (1549.45) michelin (903.90) tire (821.40)	hub (352.57) firm (350.47) director (343.09)	minister (542.84) circular (486.53) institute (439.24)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53)	funds (1779.95) euro (1520.87) nord (1385.74)	(1012.80) digital (787.30) to conn. (632.89)	(826.99) purchaser (693.80) procurement (551.13)		
to implem. (252.73) economical (212.07) new (200.07) actors	waste (1270.76) recycling (871.06) matter (741.73) product	car (816.30) renting (554.68) vehicle (474.56) to rent	to sell (1549.45) michelin (903.90) tire (821.40) use	hub (352.57) firm (350.47) director (343.09) club	minister (542.84) circular (486.53) institute (439.24) françois	climatic (243.87) growth (238.93) crisis (226.53) change	funds (1779.95) euro (1520.87) nord (1385.74) third	(1012.80) digital (787.30) to conn. (632.89) google	(826.99) purchaser (693.80) procurement (551.13) nssd		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81)	hub (352.57) firm (350.47) director (343.09) club (275.64)	minister (542.84) circular (486.53) institute (439.24) françois (411.71)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36)	(1012.80) digital (787.30) to conn. (632.89) google (412.67)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26)		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer	hub (352.57) firm (350.47) director (343.09) club (275.64) association	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06)	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91)	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89)	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26)		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) f analyzed fo	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (>	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08%	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23)  Classification project	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) f analyzed fo new	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91)  rms: 3,679 (> to orga.	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed resource	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) L.s.: 57.08% waste	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23)  Classification project (604.15)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87)	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54)	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed resource (312.25)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) L. s.: 57.08% waste (389.16)	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23) Classification project (604.15) call	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) cjd	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87) value	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96) nicolas	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed tresource (312.25) natural	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08% waste (389.16) law	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23) Classification project (604.15) call (386.43)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) ejd (250.97)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car (522.48)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87) value (124.02)	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april (499.23)	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96) nicolas (397.92)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed tresource (312.25) natural (221.83)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08% waste (389.16) law (363.43)	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23) Classificatio project (604.15) call (386.43) region	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) cjd (250.97) firm	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car (522.48) to rent	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87) value (124.02) model	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april (499.23) hour	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96) nicolas (397.92) lambert	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) crompassed tresource (312.25) natural (221.83) growth	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08% waste (389.16) law (363.43) article	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23) Classificatio project (604.15) call (386.43) region (382.46)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) cjd (250.97) firm (228.80)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car (522.48) to rent (513.73)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87) value (124.02) model (123.23)	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april (499.23) hour (498.85)	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) = 8) - % of end mp (471.96) nicolas (397.92) lambert (366.66)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed resource (312.25) natural (221.83) growth (177.41)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08% waste (389.16) law (363.43) article (342.33)	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23)  Classificatio project (604.15) call (386.43) region (382.46) territory	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) cjd (250.97) firm (228.80) club	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car (522.48) to rent (513.73) shop	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) f analyzed fo new (150.87) value (124.02) model (123.23) customer	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april (499.23) hour (498.85) date	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96) nicolas (397.92) lambert (366.66) michel	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed resource (312.25) natural (221.83) growth (177.41) emission	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) ft. s.: 57.08% waste (389.16) law (363.43) article (342.33) public	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
to implem. (252.73) economical (212.07) new (200.07) actors (192.46) role (154.23) Classification project (604.15) call (386.43) region (382.46) territory (326.11)	waste (1270.76) recycling (871.06) matter (741.73) product (554.90) to recycle (525.62) on type: doub consultancy (273.18) ejd (250.97) firm (228.80) club (202.70)	car (816.30) renting (554.68) vehicle (474.56) to rent (363.12) shop (346.29) le (12-14) - # o renting (738.65) car (522.48) to rent (513.73) shop (312.18)	to sell (1549.45) michelin (903.90) tire (821.40) use (709.81) kilometer (571.06) <b>f analyzed fo</b> new (150.87) value (124.02) model (123.23) customer (83.09)	hub (352.57) firm (350.47) director (343.09) club (275.64) association (272.91) rms: 3,679 (> to orga. (581.54) april (499.23) hour (498.85) date (382.34)	minister (542.84) circular (486.53) institute (439.24) françois (411.71) mp (378.84) =8) - % of end mp (471.96) nicolas (397.92) lambert (366.66) michel (362.31)	sed t. s.: 90. climatic (243.87) growth (238.93) crisis (226.53) change (160.65) to face (146.89) compassed resource (312.25) natural (221.83) growth (177.41) emission (156.73)	funds (1779.95) euro (1520.87) nord (1385.74) third (1338.36) revolution (1088.89) t. s.: 57.08% waste (389.16) law (363.43) article (342.33) public (322.12)	(1012.80) digital (787.30) to conn. (632.89) google (412.67) digit (406.56)	(826.99) purchaser (693.80) procurement (551.13) nssd (510.26) criterion		
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For every corpus, the number of clusters was adjusted so that the descending hierarchical classification encompassed a minimum of 75% of classified text segments – t.s. = text segments

Table 7 - Appendix 2: Parameters values for press-type corpus-related DHC

Press type	# texts	# text segments (t.s.)	# active forms	# analyzed forms (freq.)	average # forms/t.s.	# clusters	% classified text segments
Business & Economics	152	4,003	9,015	1,890 (>=6)	36.002	6	99.65%
Environmental	97	2,083	5,968	2,408 (>=3)	35.985	6	84.25%
General	249	4,713	10,193	2,093 (>=6)	35.641	6	81.14%
Government & Public Actors	36	1,954	5,474	2,267 (>=3)	36.252	6	95.29%
Professional	76	2,505	6534	2,542 (>=3)	35.853	6	75.89%

To facilitate the comparison, the number of clusters was adjusted to six for each press type while controlling that the descending hierarchical classification encompassed a minimum of 75% of the classified text segments.