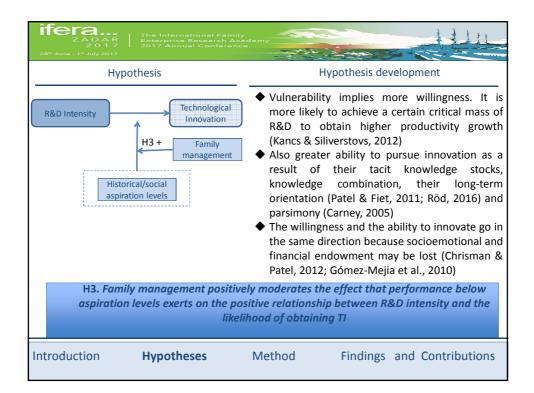
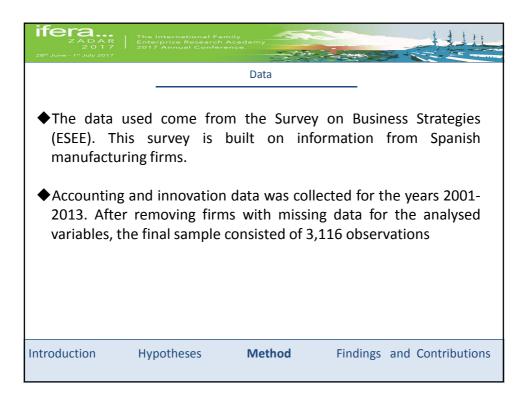
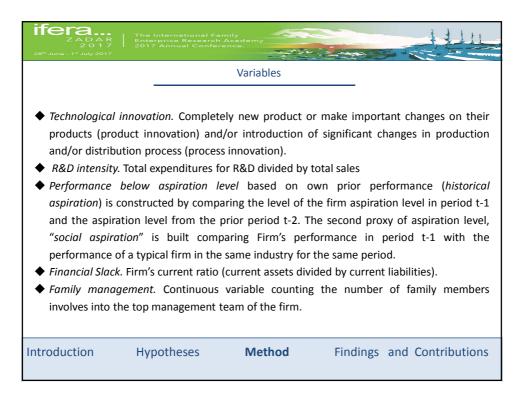


ZADAR ZADAR 2017 The International Family Enterprise Research Acad 2017 Annual Conference 28 th June - 1 st July 2017	
Hypothesis	Hypothesis development
below aspiration levels is more	 Slack can be employed for strategic organizational activities (Parida & Örtqvist, 2015). Under vulnerable situations, it gives managers flexible resources (Kotlar, De Massis, et al., 2014) and allows engaging in more efficient orchestration actions (Sirmon, Hitt, Ireland, & Gilbert, 2011)
	ne memood of obtaining m
Introduction Hypotheses	Method Findings and Contributions







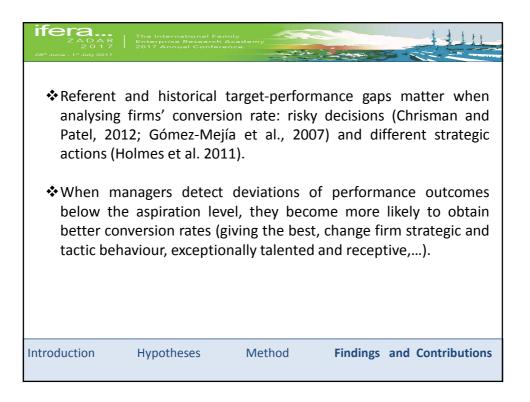
4

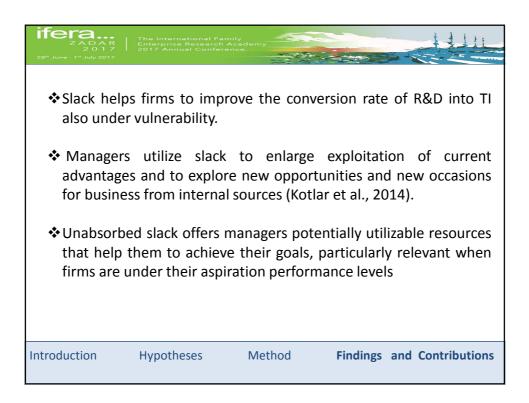
Main effect R&D intensity $_{t-1} (\beta_1)$ Moderator Performance below aspiration level (Historical aspirations) $_{t-1} (\beta_{21a})$ Performance below aspiration level (Social aspirations) $_{t-1} (\beta_{21b})$ Interaction effect	0.159*** (0.040) 1.138* (0.648)	0.156*** (0.039) - 1.152*	
Moderator Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a}) Performance below aspiration level (Social aspirations) $_{t-1}$ (β_{21b})	(0.040)	(0.039)	
Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a}) Performance below aspiration level (Social aspirations) $_{t-1}$ (β_{21b})		- 1.152*	
Performance below aspiration level (Social aspirations) $_{\rm t-1}$ ($\beta_{\rm 21b})$		- 1.152*	
· · · · · · · · · · · · · · · · · · ·	-	1.152*	
Interaction offect		(0.642)	
R&D intensity $_{t^{-1}}{}^*$ Performance below aspiration level (Historical aspirations) $_{t^{-1}}(\beta_{31a})$	1.749** (0.739)	-	
R&D intensity $_{t\cdot 1}*$ Performance below aspiration level (Social aspirations) $_{t\cdot 1}\left(\beta_{31b}\right)$	-	1.744** (0.738)	
Controls			
Firm size	0.531*** (0.163)	0.529*** (0.163)	
Subsidies	1.393***	1.396***	
Subsidies	(0.176)	(0.176)	
Technological opportunity	1.017*** (0.253)	1.023*** (0.253)	
Firm age	0.232***	0.231***	
-	(0.074) 0.086	(0.074)	
Performance over aspiration level (Historical aspirations) $_{t-1}$	(0.366)		
Performance over aspiration level (Social aspirations) $_{ m t-1}$		0.139 (0.329)	
Territorial specificities dummies	Yes	Yes	_
Number of observation	3116	3116	
Log likelihood Model χ^2	-754.831 295.63***	-754.774 295.55	
Pseudo R ²	0.120	0.120	
Wald test: Total effects			
$(\beta_1 + \beta_{21})$ $(\beta_2 + \beta_{22})$	1.908**	1.900**	

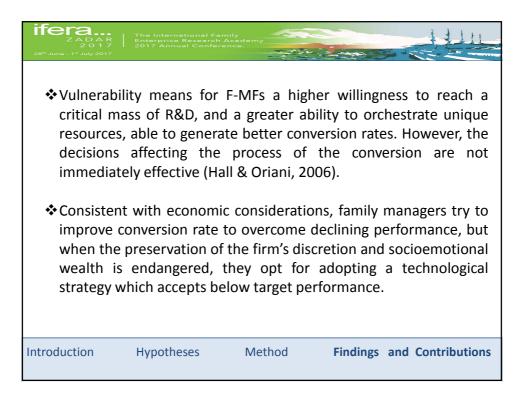
/ariables	2	4	
Main effect			
R&D intensity $_{t-1}$ (β_1)	-0.102* (0.055)	-0.100** (0.055)	
Voderator	(0.055)	(0.055)	
Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a})	2.326*** (0.796)	-	
Performance below aspiration level (Social spirations) $_{t,1}$ (β_{21h}))	-	2.345*** (0.781)	
Inabsorbed slack $_{t-1}$ (β_{22})	0.114*** (0.038)	0.101*** (0.038)	
nteraction effect Q_{2} intensity $_{t-1}$ * Performance below aspiration Q_{2} vel (Historical aspirations) $_{t-1}$ (β_{21a}) Q_{2} intensity $_{t-1}$ * Performance below aspiration evel (Social aspirations) $_{t-1}$ (β_{21b})	3.021*** (0.919) 0.153***	- 3.011*** (0.916) 0.151***	
&D intensity t-1* Unabsorbed Slack t-1 ($β_{34}$) erformance below aspiration level (Historical spirations) t-1* Unabsorbed Slack t-1 ($β_{3x_0}$) erformance below aspiration level (Social spirations) t-1* Unabsorbed Slack t-1 ($β_{3x_0}$) &D intensity t-1* Performance below aspiration	(0.038) 1.628*** (0.568) - 1.662***	(0.037) - 1.622*** (0.567)	
evel (Historical aspirations) t-1 * Unabsorbed Slack $_{1}$ ($\beta_{a_{2}a_{3}}$) &D intensity t-1 * Performance below aspiration evel (Social aspirations) t-1 * Unabsorbed Slack t-1 $\beta_{a_{2}a_{3}}$)	(0.627)	1.653*** (0.624)	

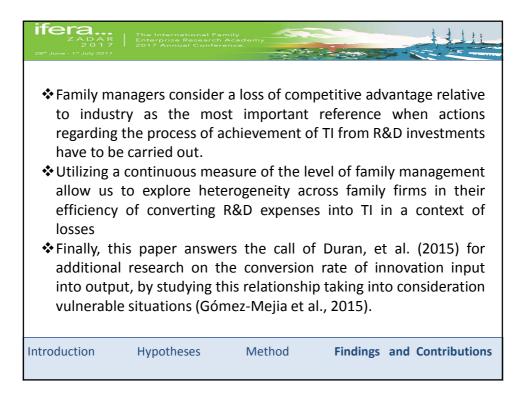
 $\begin{array}{l} \text{Technological innovation} = \textit{6_1 R\&D$ intensity}_{t-1} + \textit{6_{21} Performance below aspiration level} + \textit{6_{22} Family management}_{t+1}, \textit{6_{31} R&D$ Intensity}_{t-1} * \\ \text{Performance below aspiration level} + \textit{6_{32} R&D$ Intensity}_{t-1} * Family management}_{t+1}, \textit{6_{33} Performance below aspiration level y}_{t-1} * Family \\ management}_{t+1}, \textit{6_{41} R&D$ Intensity}_{t-1} * Performance below aspiration level * Family management}_{t+1} + \textit{6_{31} Controls + E} \end{array}$

Variables	2	4
n effect		
D intensity $_{t-1}$ (β_1)	0.132***	0.129***
	(0.040)	(0.038)
Moderator	0.000	
erformance below aspiration level (Historical aspirations)	0.893 (0.689)	-
β_{1} (β_{21a}) Performance below aspiration level (Social aspirations) β_{1-1}	(0.689)	0.847
β_{21b}	-	(0.656)
	0.182**	0.212***
amily management _{t-1} (β ₂₂)	(0.077)	(0.070)
nteraction effect	(,	(,
R&D intensity +1* Performance below aspiration level	1.978**	
Historical aspirations) $_{+1}$ (β_{31_2})	(0.797)	-
		1.972***
R&D intensity _{t-1} * Performance below aspiration level (Social aspirations) _{t-1} (β _{21b})	-	(0.751)
Social aspirations) +-1 (D _{31h})	0.169**	0.235***
R&D intensity , 1*Family management , 1 (β ₂₂)	(0.074)	(0.082)
		(0.002)
Performance below aspiration level (Historical aspirations)	0.241 (1.267)	
$_{t-1}$ * Family management $_{t-1}(\beta_{33a})$	(1.207)	
Performance below aspiration level (Social aspirations) t-1	-	0.473
Family management ₊₋₁ (β _{33b})		(0.501)
	-0.583	
R&D intensity t-1* Performance below aspiration level	(1.524)	-
Historical aspirations) $_{t-1}$ * Family management $_{t-1}$ (β_{41a})		
		-1.582**
&D intensity _{t-1} * Performance below aspiration level Social aspirations) _{t-1} * Family management _{t-1} (β _{41b})	-	(0.706)
Control Variables		











ZADAR 2017 "June - 1" July 2017	The International Fa Enterprise Research 2017 Annual Confer		
	Sample Characteristi	ics	Matched sample
Year	Firms in the population	Matched sample	materied sumple
2001	3462	314 🦷	One firm with TI outputs (157
2002	3462	262	firms in 2001) with another
2003	3462	232	matched control firm without
2004	3462	254	innovation outputs (157 firms in
2005	4050	242	2001) in the same year and
2006	4357	232	similar size and industry
2007	4475	272	
2008	4629	226	
2009	4851	216	
2010	5040	214	
2011	5040	210	
2012	5304	220	
2013	5304	222	

Sample composition		
Sample composition	on by indu	strv
Industry	N	%
1. Meat industry	130	4.17%
2. Foodstuffs and snuff	364	11.68%
3. Drinks	98	3.15%
Textiles and clothing	209	6.71%
5. Leather and footwear	57	1.83%
6. Timber industry	64	2.05%
7. Paper Industry	165	5.30%
8. Graphics	99	3.18%
9. Chemical and pharmaceutical products	304	9.76%
10. Rubber and plastic	222	7.12%
11. Non-metallic mineral products	82	2.63%
12. Ferrous and nonferrous metals	129	4.14%
13. Metal products	427	13.70%
14. Agricultural and industrial machinery	184	5.91%
15. Computer, electronic and optical	52	1.67%
products 16. Electrical machinery and material	122	3.92%
17. Motor vehicles		7.06%
17. Notor ventices 18. Other transport equipment	220	
	83	2.66%
19. Furniture industry	83	2.66%
20. Other manufacturing	22	0.71%
TOTAL	3,116	100.00%

Descriptive statistics											
Continuous variables											
Variables		Inr	novator Fir	ms		Non-Innovator Firm					
	Mean	Median	25%	75%	Std.Dev.	Mean	Median	25%	75%	Std. Dev.	T-Tests
R&D intensity ₁₋₁	1.234	0.294	0.001	1.220	3.572	0.568	0.001	0.001	0.195	2.411	-6.090***
Performance below aspiration level (Historical aspirations) $_{t:1}$	0.037	0.000	0.000	0.036	0.092	0.035	0.000	0.000	0.033	0.091	-0.660
Performance below aspiration level (Social aspirations) $_{t\cdot 1}$	0.047	0.009	0.000	0.067	0.096	0.047	0.011	0.000	0.072	0.082	-0.107
Family management t-1	0.672	0.000	0.000	1.000	0.972	0.598	0.000	0.000	1.000	0.951	-2.271**
Unabsorbed slack to 1	2.453	2.056	1.422	2.959	1.768	2.501	1.983	1.382	3.066	1.884	0.729
Firm size	16.578	1.629	15.091	17.923	1.937	16.403	16.482	14.844	17.889	2.036	-2.572**
Firm age	3.300	3.367	2.890	3.784	0.765	3.190	3.296	2.708	3.761	0.792	-4.113***
Performance over aspiration level (Historical aspirations) $_{t:1}$	0.046	0.000	0.000	0.042	0.126	0.046	0.000	0.000	0.045	0.123	0.055
Performance over aspiration level (Social aspirations) $_{t:1}$	0.098	0.067	0.031	0.121	0.138	0.096	0.064	0.031	0.119	0.140	-0.293

Descriptive statistics				
Categorical variables Categorical variables				
Categorical variables	Innova	tor firms	Non-inn	ovator firms
	N	%	N	%
Subsidies	305	19.58%	100	6.42%
Non subsidies	1253	80.42%	1458	93.58%
Technological opportunity industry	346	22.21%	345	22.14%
Non-Technological opportunity industry	1212	77.79%	1213	77.86%
Geographical localization				
Nothwest	258	15.01%	273	15.88%
Northeastern	182	10.59%	166	9.66%
Madrid	217	12.62%	264	15.36%
Center	219	12.74%	235	13.67%
East	710	41.30%	597	34.73%
South	116	6.75%	146	8.49%
Canarias	17	0.99%	38	2.21%

Variables 1 1. Technological innovation 1 2. R&D intensity ₁₁ 0.105		3	4	5	6	7	8	9	10	11	12
2. R&D intensity _{t-1} 0.109											
	*** 1										
3. Performance below aspiration level 0.0 (Historical aspirations) (+1)	-0.023	1									
4. Performance below aspiration level 0.0 (Social aspirations) $_{t\cdot 1}$	0.003	0.385***	1								
5. Family management _{t-1} 0.03	·0.054**	0.028	-0.030	1							
5. Unabsorbed slack t-1 -0.0	-0.015	-0.014	-0.038**	0.116***	1						
7. Firm size 0.04	0.119***	-0.048**	-0.045**	-0.329***	-0.084***	1					
3. Subsidies 0.18	*** 0.214***	-0.022	-0.008	-0.058***	-0.051***	0.261***	1				
9. Technological opportunity 0.0	0.184***	0.011	0.005	-0.147***	-0.059***	0.159***	0.099***	1			
10. Firm age 0.07	*** 0.082***	0.041**	0.016	0.024	0.066***	0.318***	0.099***	0.03	1		
11. Performance over aspiration level -0.0 (Historical aspirations) t-1	01 -0.034*	0.258***	0.461***	0.039**	-0.073***	-0.091***	-0.014	0.014	-0.006	1	
12. Performance over aspiration level 0.0 (Social aspirations) to 1	0.009	0.027	0.104***	-0.025	-0.067***	-0.076***	-0.018	0.021	0.001	0.494***	1
13. Territorial specificities dummies 0.0	-0.088***	-0.023	-0.047**	0.072***	0.063***	-0.029*	-0.041**	-0.121***	0.079***	-0.023	-0.074**

Multicollinearity analysis $1 = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + $	ZADAR 2017 The International Fam Enterprise Research A 2017 Annual Conferen					-		
K2 Vir Index K2 Vir Index K2 Vir Index R&D intensity<1 0.086 1.09 1.000 0.085 1.09 1.000 Performance below aspiration level (Historical aspirations) 0.083 1.09 2.179 ···· 0.025 1.03 2.268 Family management 0.145 1.17 2.367 0.149 1.17 2.695 Unabsorbed slack 0.038 0.045 1.04 2.762 0.036 1.04 2.856 Firm size 0.259 1.35 2.865 0.259 1.35 2.948 Subsidies 0.100 1.11 3.052 0.100 1.11 3.158 Firm age 0.133 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations) 0.089 1.10 6.607 ···· ···· Performance over aspiration level (Scial aspirations) 0.089 1.10 6.607 ···· ····	Multicollinearity analysis	His	torical aspirat	ions	Social aspiration			
Performance below aspiration level (Historical aspirations),1 0.083 1.09 2.179 I.00 2.179 I.00 Performance below aspiration level (Social aspirations),1 I.09 2.179 0.025 1.03 2.268 Family management,1 0.145 1.17 2.367 0.149 1.17 2.695 Unabsorbed slack,1 0.034 1.04 2.762 0.036 1.04 2.856 Firm size 0.259 1.35 2.865 0.259 1.35 2.948 Subsidies 0.100 1.11 3.052 0.100 1.11 3.158 Firm age 0.013 0.077 1.08 3.300 0.075 1.08 3.415 Firm age 0.113 0.13 1.13 4.415 0.13 4.556 Performance over aspiration level (Historical aspirations),1 0.089 1.10 6.607 I.033 1.03 6.841		R2	VIF	Condition Index	R2	VIF	Condition Index	
Performance below aspiration level (Social aspirations),1 Image of the spiration level (Social aspirations),1 Image of the spi	R&D intensity _{t-1}	0.086	1.09	1.000	0.085	1.09	1.000	
Family management, 1 0.145 0.147 2.367 0.149 1.17 2.695 Unabsorbed slack, 1 0.038 1.04 2.762 0.036 1.04 2.856 Firm size 0.259 1.35 2.865 0.259 1.35 2.865 Subsidies 0.100 1.11 3.052 0.100 1.11 3.158 Technological opportunity 0.077 1.08 3.300 0.075 1.08 3.413 Firm age 0.113 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations), 1 0.089 1.10 6.607 I I 6.841	Performance below aspiration level (Historical aspirations) $_{\scriptscriptstyle \rm b1}$	0.083	1.09	2.179				
Unabsorbed slack ₁₁ 0.038 1.04 2.762 0.036 1.04 2.856 Firm size 0.259 1.35 2.865 0.259 1.35 2.948 Subsidies 0.100 1.11 3.052 0.100 1.11 3.158 Technological opportunity 0.077 1.08 3.300 0.075 1.08 3.413 Firm age 0.113 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations) _{1.1} 0.089 1.10 6.607 Image Image 0.033 1.03 6.841	Performance below aspiration level (Social aspirations) $_{\rm t\cdot 1}$				0.025	1.03	2.268	
Firm size 0.259 1.35 2.865 0.259 1.35 2.948 Subsidies 0.100 1.11 3.052 0.100 1.11 3.158 Technological opportunity 0.077 1.08 3.300 0.075 1.08 3.413 Firm age 0.113 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations) ₁₋₁ 0.089 1.10 6.607	Family management _{t-1}	0.145	1.17	2.367	0.149	1.17	2.695	
Image Image <th< td=""><td>Unabsorbed slack 1-1</td><td>0.038</td><td>1.04</td><td>2.762</td><td>0.036</td><td>1.04</td><td>2.856</td></th<>	Unabsorbed slack 1-1	0.038	1.04	2.762	0.036	1.04	2.856	
Technological opportunity 0.077 1.08 3.300 0.075 1.08 3.413 Firm age 0.113 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations), 1 0.089 1.10 6.607	Firm size	0.259	1.35	2.865	0.259	1.35	2.948	
Firm age 0.113 1.13 4.415 0.116 1.13 4.556 Performance over aspiration level (Historical aspirations) ₅₁ 0.089 1.10 6.607	Subsidies	0.100	1.11	3.052	0.100	1.11	3.158	
Performance over aspiration level (Historical aspirations) 0.089 1.10 6.607 Performance over aspiration level (Social aspirations) 0.089 1.00 6.841 Territorial specificities dummies 0.033 1.03 6.841	Technological opportunity	0.077	1.08	3.300	0.075	1.08	3.413	
Performance over aspiration level (Social aspirations) _{b1} 0.033 1.03 6.841 Territorial specificities dummies	Firm age	0.113	1.13	4.415	0.116	1.13	4.556	
Territorial specificities dummies	Performance over aspiration level (Historical aspirations) $_{\rm t,i}$	0.089	1.10	6.607				
Territorial specificities dummies 0.034 1.03 14.703 0.037 1.04 15.067	Performance over aspiration level (Social aspirations) $_{\rm t\cdot 1}$				0.033	1.03	6.841	
	Territorial specificities dummies	0.034	1.03	14.703	0.037	1.04	15.067	

Image: Construction of the second s						2 to a
			-			
Conditional logistic regression. The offi	ate of or			the velo	tionship	
Conditional logistic regression. The effe	ects of <u>as</u>	piration	levels on	the rela	tionsnip	
between R&D intensity and the likeliho	od of in	novation	output a	chievem	ent.	
,						
/ariables	1	2	3	4	5	6
Main effect						
R&D intensity ₁₋₁ (β ₁)		0.085**	0.121***	0.121***	0.159***	0.156***
		(0.035)	(0.040)	(0.040)	(0.040)	(0.039)
Moderator			0.350		1.1208	
Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a})	-	-	0.259 (0.417)	-	1.138* (0.648)	
Performance below aspiration level (Social aspirations) , , 1 (β_{21b})			-	-0.028 (0.473)	-	1.152* (0.642)
nteraction effect				(2.773)		(2:042)
R&D intensity, 1* Performance below aspiration level (Historical aspirations)					1.749**	
(β _{31a})	-	-	-	-	(0.739)	-
R&D intensity to a performance below aspiration level (Social aspirations) to β_{31b}	-					1.744** (0.738)
Controls						
irm size	0.912*** (0.103)	0.867*** (0.136)	0.419*** (0.145)	0.418*** (0.146)	0.531*** (0.163)	0.529*** (0.163)
	1.417***	1.354***	1.330***	1.329***	1.393***	1.396***
Subsidies	(0.147)	(0.167)	(0.166)	(0.166)	(0.176)	(0.176)
Fechnological opportunity	0.582***	0.821***	1.097***	1.103***	1.017***	1.023***
•	(0.195) 0.160***	(0.226) 0.184***	(0.236) 0.203***	(0.235) 0.204***	(0.253) 0.232***	(0.253) 0.231***
Firm age	(0.058)	(0.061)	(0.066)	(0.066)	(0.074)	(0.074)
Performance over aspiration level (Historical aspirations)	(,	(,	-0.010	(,	0.086	(2.2. 4)
			(0.336)	0.103	(0.366)	0.139
Performance over aspiration level (Social aspirations) t-1				(0.289)		(0.329)
Ferritorial specificities dummies	yes 3116	Yes	Yes	Yes	Yes 3116	Yes
Number of observation		3116	3116	3116		3116
.og likelihood	-1013.718	-917.463	-842.573	-842.724	-754.831	-754.774
Model X ²	354.05***	361.78***	273.26***	273.18***	295.63***	295.55
Pseudo R ²	0.123	0.120	0.106	0.106	0.120	0.120
Nald test: Total effects						
$\beta_1 + \beta_{31}$					1.908**	
$\beta_1 + \beta_{311}$						1.900**

Variables Main effect			- 3	4
R&D intensity ₁₁ (β ₁)	0.121*** (0.040)	-0.102* (0.055)	0.119*** (0.040)	-0.100** (0.055)
Moderator	0.257	2.326***		
Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a})	(0.419)	(0.796)		-
Performance below aspiration level (Social aspirations) $_{t-1}$ (β_{21b}))		-	-0.037 (0.466)	2.345*** (0.781)
Unabsorbed slack _{t-1} (β_{22})	-0.013 (0.022)	0.114*** (0.038)	0.079 ⁺ (0.047)	0.101*** (0.038)
Interaction effect	(0.022)		(0.047)	(0.030)
R&D intensity $_{t\cdot 1}{}^*$ Performance below aspiration level (Historical aspirations) $_{t\cdot 1}(\beta_{31a})$		3.021*** (0.919)		
R&D intensity $_{t1}$ * Performance below aspiration level (Social aspirations) $_{t1}(\beta_{31b})$		-		3.011*** (0.916)
R&D intensity $_{t_1}^{*}$ Unabsorbed Slack $_{t_1}$ (β_{34})		0.153*** (0.038)		0.151*** (0.037)
Performance below aspiration level (Historical aspirations) $_{t,1^*}$ Unabsorbed Slack $_{t,1}$ (β_{35a})		1.628***		-
Performance below aspiration level (Social aspirations) _{b.1*} Unabsorbed Slack _{b.1} (β _{35b})		(0.568)		1.622***
R&D intensity $_{v1}$ * Performance below aspiration level (Historical aspirations) $_{v1}$ * Unabsorbed Slack $_{v1}$ (β_{D2})		1.662***		(0.567)
$R\&D intensity_{t1}* Performance below aspiration level (Social aspirations)_{t1}* Unabsorbed Slack_{t1} (\beta_{42b})$				1.653*** (0.624)
Controls				
Firm size	0.418*** (0.146)	0.574*** (0.158)	0.433*** (0.146)	0.572*** (0.158)
Subsidies	1.329*** (0.166)	1.308*** (0.175)	1.324*** (0.166)	1.311*** (0.176)
Technological opportunity	1.096***	1.114***	1.089***	1.121***
Firm age	(0.236) 0.207***	(0.246) 0.232***	(0.236) 0.205***	(0.246) 0.231***
Performance over aspiration level (Historical aspirations).	(0.067) -0.038	(0.075) 0.108	(0.066)	(0.075)
· · · · · · · · · · · · · · · · · · ·	(0.338)	(0.353)	0.099	0.149
Performance over aspiration level (Social aspirations) _{t-1}			(0.289)	(0.329)
Territorial specificities dummies Number of observation	Yes 3116	Yes 3116	Yes 3116	Yes 3116
Log likelihood	-842.422	-738.344	-841.107	-738.292
Model χ^2	273.60**	297.13**	279.14**	297.51**
Pseudo R ²	0.106	0.139	0.108	0.140
Wald test: Total effects $(\beta_1 + \beta_{31a})$		2.919***		
$(\beta_1 + \beta_{21b})$		2.515		2.911***
$(\dot{\beta}_1 + \beta_{34}) = (\beta_1 + \beta_{313} + \beta_{34} + \beta_{423})$		0.051* 4.734***		0.051

Variables	1	2	3	4
Main effect				
R&D intensity _{±1} (β ₁)	0.122***	0.132***	0.121***	0.129***
Moderator	(0.042)	(0.040)	(0.041)	(0.038)
Performance below aspiration level (Historical aspirations) $_{t-1}$ (β_{21a})	0.240 (0.413)	0.893 (0.689)	1.1	-
Performance below aspiration level (Social aspirations) 1.1 (β _{21b})		-	0.273 (0.399)	0.847 (0.656)
Family management (B ₂₂)	0.102**	0.182**	0.103**	0.212***
Interaction effect	(0.049)	(0.077)	(0.051)	(0.070)
		1.978**		
R&D intensity $_{t_1}$ * Performance below aspiration level (Historical aspirations) $_{t_1}(\beta_{31a})$		(0.797)		-
R&D intensity $_{\mathtt{t1}}{}^*$ Performance below aspiration level (Social aspirations) $_{\mathtt{t1}}(\beta_{\mathtt{31b}})$	-	-		1.972*** (0.751)
R&D intensity 11*Family management 11 (β32)		0.169** (0.074)		0.235*** (0.082)
Performance below aspiration level (Historical aspirations) $_{t1}$ * Family management $_{t1}(\beta_{33a})$		0.241		
		(1.267)		0.473
Performance below aspiration level (Social aspirations) $_{t\cdot 1}$ * Family management $_{t\cdot 1}(\beta_{33b})$		-		(0.501)
R&D intensity1 * Performance below aspiration level (Historical aspirations)1 * Family management1 (β_{11})		-0.583 (1.524)		-
R&D intensity $_{t_1}$ * Performance below aspiration level (Social aspirations) $_{t_1}$ * Family management $_{t_1}$ (β_{41b}) — Controls		-	-	-1.582** (0.706)
Firm size	0.567***	0.539***	0.565***	0.539***
	(0.164) 1.378***	(0.159) 1.356***	(0.164) 1.382***	(0.162) 1.368***
Subsidies	(0.177)	(0.176)	(0.178)	(0.177)
Technological opportunity	1.035***	1.009***	1.042***	1.015***
reamonglearopportanty	(0.255) 0.217***	(0.249)	(0.255) 0.216***	(0.252)
Firm age	(0.073)	0.228*** (0.074)	(0.073)	0.224*** (0.074)
Performance over aspiration level (Historical aspirations)	0.121	-0.583	(0.0.0)	(,
renormance over aspiration rever (instonear aspirations) to 1	(0.342)	(1.524)	0.204	0.189
Performance over aspiration level (Social aspirations) to 1			(0.321)	(0.333)
Territorial specificities dummies	Yes	Yes	Yes	Yes
Number of observation	3116	3116	3116	3116
Log likelihood	-759.748	-745.151	-759.624	-741.588
Model χ^2	297.24**	292.68**	297.15**	292.60**
Pseudo R ²	0.115	0.132	0.115	0.136
Wald test: Total effects				
$(\beta_1 + \beta_{31a})$		2.110**		
$(\beta_1 + \beta_{31b})$		0.001825		2.101**
$(\beta_1 + \beta_{32})$ $(\beta_{215} + \beta_{325})$		0.301***		0.364*** 0.602*