Table 1: Key constructs and	l variables, and assessment
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Constructs	Variable 1	Variable 2	Variable 3	Overall
				assessment
A. Commitment	Physical investment	Investment in human	Contribution to local	High: 1+2+3
of lead		capital (training,	strategic planning	Medium: 1+2
companies		education, etc.)		Low: 1
				None: 0
B. Innovation	Internal R&D in	Active RIS and	Interaction and joint	High: 1+2+3
Collaborations	lead companies and	relevant projects with	projects between	Medium: 1+2
	SME suppliers	1^{st} , 2^{nd} , 3^{rd} , and 4^{th}	RIS, CID, lead firms	Low: 1
		tier suppliers	and their GIN	None: 0
Risk of Fracture	A1+B1	A2+B2	A3+B3	Max: 0
				High: 1
				Medium: 1+2
				Low: 1+2+3

Source: own elaboration.

	Upholstery, Forli, Italy	Wind energy Bilbao, Spain	Furniture, Azpeitia, Spain	Electronics & Software, S. Jose, Costa Rica
Size & Growth	100+ firms; 5,000 employees; €169 million export	100+ firms and 16,000 workers; 7.3 billion turnover and increasing	200 firms & 5,500 employees; €1.2 billion turnover & increasing	900 firms; \$3 billion of export in 2016 and increasing
Lead company	Large local firm (Poltrone&Sofa)	Large local firms (Iberdrola & Gamesa)	Medium-sized firms (FMG-MCG)	Large foreign firm (Intel)
Internationalization	Export	Export + FDI	Export	Export
Innovation	Incremental	Radical and incremental	Radical and incremental	Radical and incremental
Type of Industry	Traditional industry	Intermediate technology industry	Traditional industry	High technology industry
Potential for an internal fracture	Risky position	Risky position	Current success	Current success
Main sources of information	Intesa San Paolo, 2017; Dametto, 2016; Authors, 2009	Cluster Energia webpage 2018; Authors, 2013	Cluster Habic webpage 2018; Authors, 2014; Authors, 2010	Camtic webpage, 2018; Alfaro, 2013; Ciravegna, 2011; Authors, 2008

Table 2: Selected cluster case studies in the UK, Italy, Spain and Costa Rica

Source: own elaboration.

Table 3: Lead firms' commitment

CID	Lead Firm	Internationalization	Commitment	Growth
UpholsteryForli,Italy, Upholstery	Poltrone&Sofa	Only Export	Low	Unsteady Growth
Bilbao, Spain, Wind Energy	Iberdrola & Gamesa	Export and overseas production	Medium	Unsteady Growth
Azpeitia/Azkoitia, Spain, Furniture	FMG/MCG	Only Export	High	Sustained Growth
San Jose, Costa Rica, Electrons. & Software	Intel	Export and overseas production	High	Sustained Growth

Source: own elaboration.

Table 4: Local lead firms, local SMEs, RIS and GIN

	Type of	Internal R&D	Collaborations	Interaction	Overall
	industry		RIS with CID	RIS&CID with	assessment &
				lead firms & GIN	performance
Forli, Italy,	Traditional	Low	Low	Low	Low
Upholstery					
Bilbao, Spain,	Intermediate	High	High	Medium	Medium
Wind Energy	technology	(lead and 1 st	(1 st tier suppliers		
		tier suppliers)	only)		
Azpeitia, Spain	Traditional	Medium	High	High (MCG)	High
Furniture					
San Jose, Costa	High	High	High	High	High
Rica, Software	technology	(lead and 1 st			
& Electronics		tier suppliers)			

Source: own elaboration. Note for Overall Assessment: High=3; Medium=2; Low=1 (see Table 1).

Table 5: Synthetic results

	Commitment	Innovation	Type of industry	Success of the
		collaborations		CID
		(RIS/CID-lead		
		firm/GIN)		
Forli, Italy,	Low	Low	Traditional	Unsteady
Upholstery				
Bilbao, Spain,	Medium	Medium	Intermediate	Unsteady
Wind Energy			Technology	
Azpeitia, Spain	High	High	Traditional	Steady
Furniture				
San Jose, Costa Rica,	High	High	High	Steady
IT & Electronics			Technology	

Source: own elaboration.