

HOW INNOVATION ATTRACT INNOVATORS:

insights from 20 years of marine renewable energy technologies in Portugal

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Workshop of DINÂMIA'CET-IUL “Dinâmicas Socioeconómicas e Territoriais Contemporâneas”

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Institutional affiliations



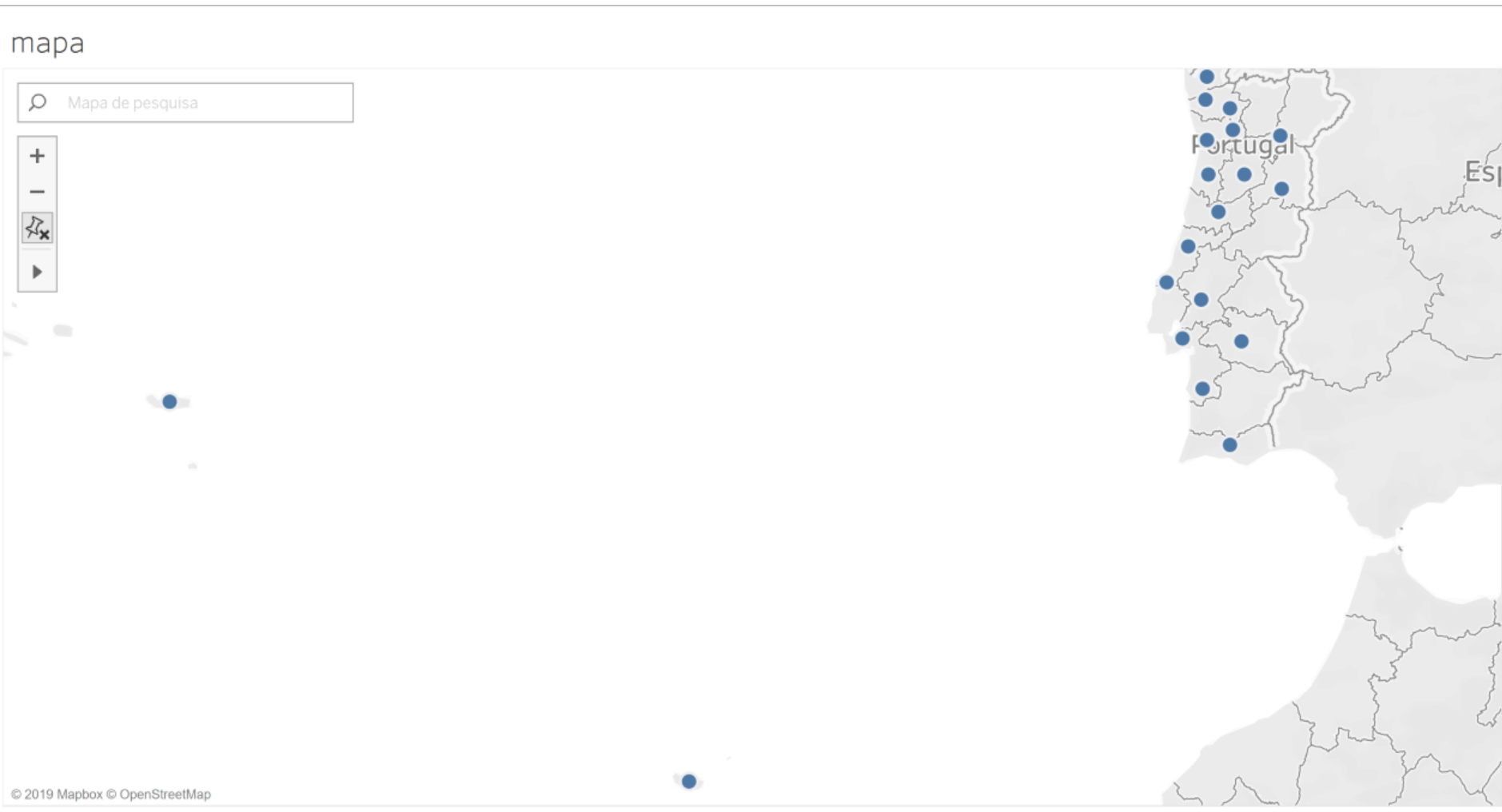
Financing



Project



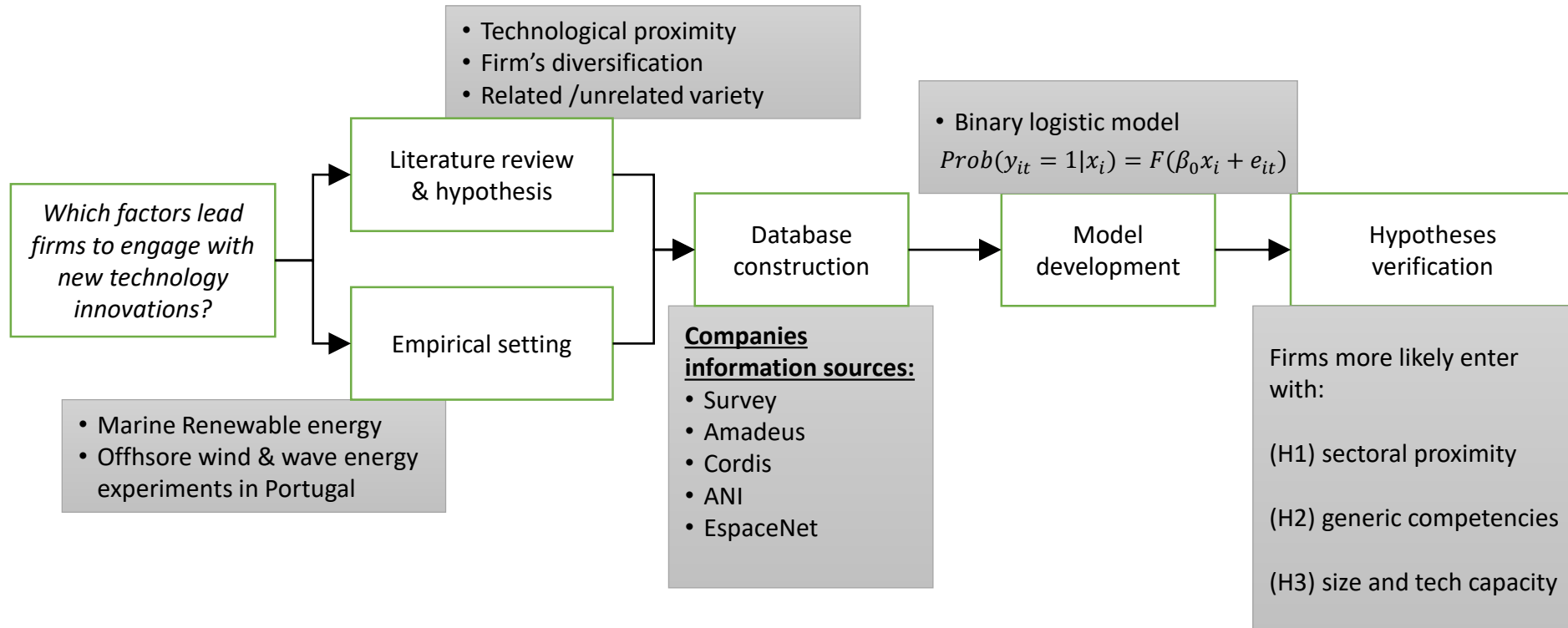
FIRMS ACTIVE IN MRET ARE DISPERSED IN THE COUNTRY



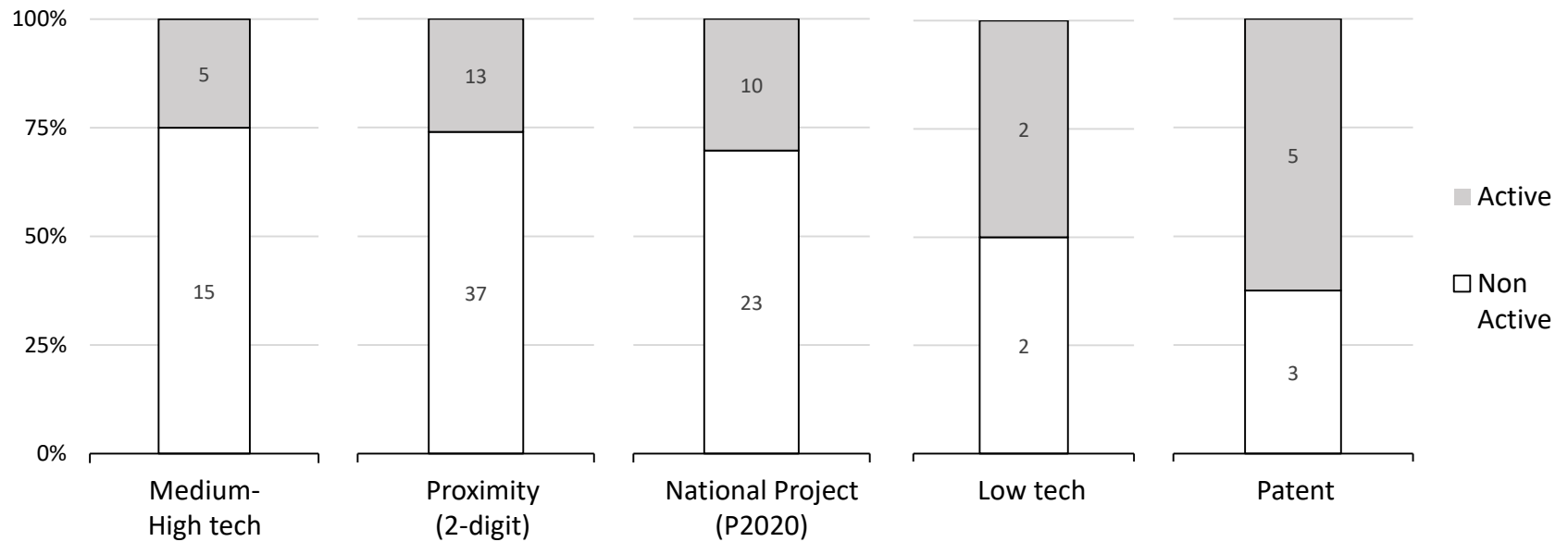
WIDE SCOPE OF SECTORS INVOLVED (in Portuguese)

Equipamento_transporte
Construção
Equipamentos_eletrónicos
Comércio
Fibras_sintéticas
Matérias_plásticas
Electricidade
Têxteis
Reparação_manutenção
Atividades_engenharia
Consultoria_gestão
Produtos_metálicos
Engenharia_civil

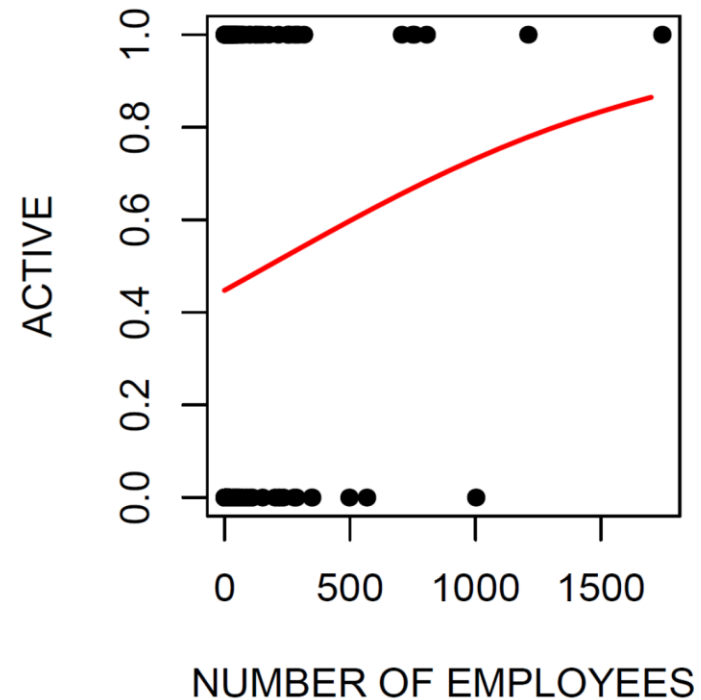
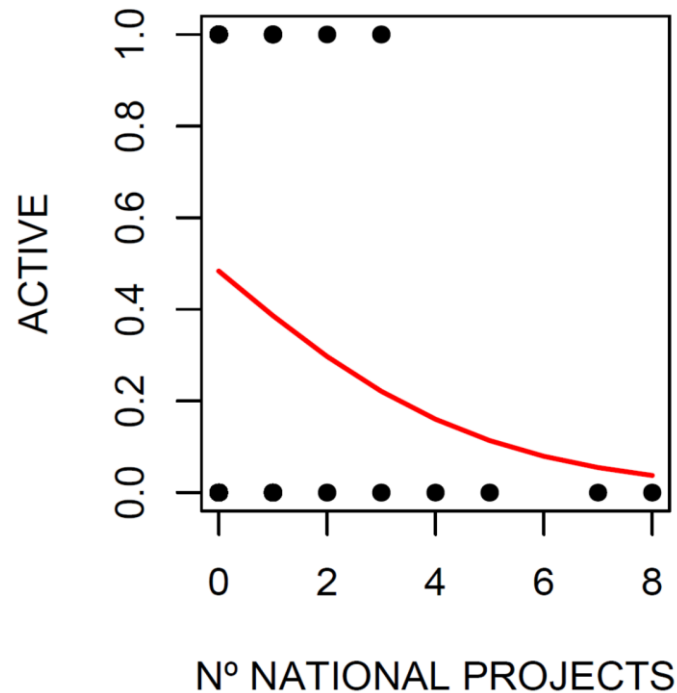
STRUCTURE OF THE RESEARCH



NO NEED FOR TECH CONTENT OR PROXIMITY



IMPACTS GO BEYOND INNOVATION CAPACITY BUT CERTAIN FIRM DIMENSION IS BETTER



PRELIMINARY RESULTS

■ EVIDENCE OF TRANSFORMATIVE POTENTIAL

- TECHNOLOGICAL AND INNOVATION CAPACITY ARE NOT BARRIERS FOR ENTRY (H2)(H3)
- NO TECHNOLOGICAL PROXIMITY OR REGIONAL SPECIALIZATION REQUIRED (~~H1~~)

■ IMPLICATIONS FOR CONCEPTUALIZING TRANSFORMATIVE TRANSITIONS

- FOCUS ON DIFFERENT PROCESSES: COMPLEMENTARITY ASSETS VS MARKET FORMATION
- ATTRACT EXTERNAL ACTORS AND COMPLEMENTARY RESOURCES AS KEY PROCESSES

■ NEXT STEPS

- FIRMS' STRATEGIES AND TRANSFORMATIVE IMPACTS
- TERRITORIAL EFFECTS OF FIRM INTERACTIONS



THANK YOU!

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RESULTS OF THE BINARY LOGIT ANALYSIS

Dependent Variable: Active											
	1a	1b	2a	2b	2c	3a	3b	3c	4a	4b	4c
Sectoral											
Relatedness											
Complementary (2-digit)	-1.099*** (.354)		-1.115*** (.357)	-1.115*** (.357)	-1.130*** (.358)	-1.186*** (.375)	-1.141*** (.343)	-1.310*** (.428)	-1.070*** (.440)	-1.056*** (.505)	-.960* (.531)
Complementary (3-digit)		.082 (.439)									
Innovation											
Capacity											
National project			-.804* (.411)	-.796* (.411)	-.800* (.413)	-.921** (.432)	-1.035** (.456)	-1.028** (.463)	-1.116** (.464)	-1.188** (.471)	-1.166** (.476)
European project				.170 (.366)	.154 (.386)	-.130 (.386)	-.321 (.402)	-.275 (.428)	-.160 (.439)	.236 (.446)	-.247 (.448)
Patents					.767 (.766)	.465 (.793)	.546 (.795)	.876 (.912)	1.306 (.979)	1.600 (1.014)	1.666 (1.016)
Firm											
Characteristics											
Size (N° of employees)						.001 (.001)	.001 (.001)	.001 (.001)	.002* (.001)	.002** (.001)	.002** (.001)
% Foreign							-.526 (.333)	-.547 (.352)	-.609* (.371)	-.686* (.368)	-.633* (.372)
Capital Profitability (ROIC)								-.033 (.217)	-.043 (.220)	-.052 (.222)	-.048 (.222)
Industry											
Characteristics											
Low tech										-2.832* (1.517)	-2.659* (1.558)
Medium-Low tech										-.170 (.476)	-.070 (.529)
Medium-High tech									-1.755** (.958)	-2.083** (.958)	-2.070** (.970)
Knowledge-intensive											.105 (.416)
Energy											.590 (.603)
Constant	.053 (.146)	-.169 (.137)	.163 (.157)	.134 (.168)	.114 (.169)	.141 (.182)	.504* (.279)	.508* (.290)	.439 (.404)	.661** (.310)	.487 (.485)
Observations	237	237	237	237	237	221	213	191	191	191	191
Pseudo R²	.059	.000	.080	.081	.087	.108	.124	.150	.181	.206	.212
Log pseudolikelihood	-316.409	-326.992	-312.346	-312.128	-311.089	-287.045	-273.928	-241.441	-236.271	-232.180	-231.184