







Building Collaborative Networks for Innovation

Satyasiba Das
Centre for Innovation and Structural Change
National University of Ireland, Galway

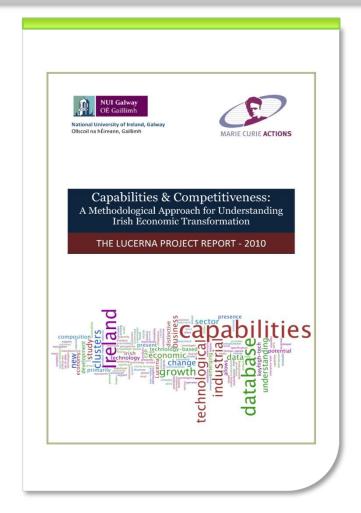
The Role of MNCs in Knowledge Accumulation, Absorption and Utilization in Indigenous Irish firms: A case study of the Galway Medical Technology Cluster

InterTradeIreland 2010 Innovation Conference
University College Dublin
28-29 June 2010

LUCERNA PROJECT

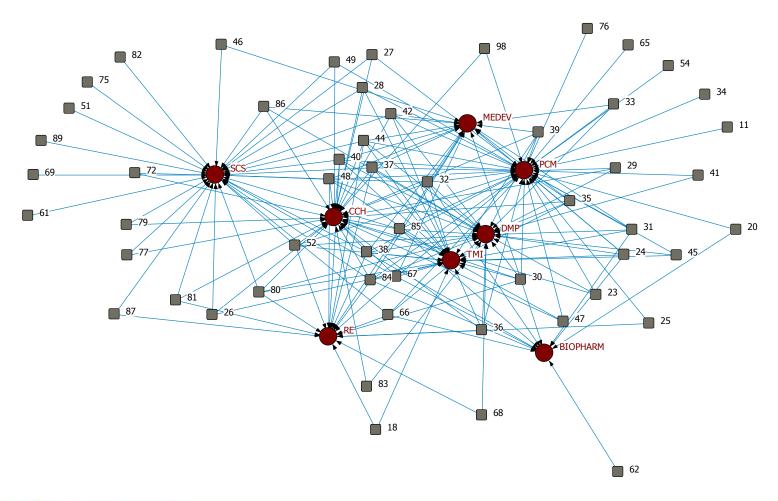
Name of TBCs	Population*
Computer and Communication Hardware (CCH)	341
Software and Communication services (SCS)	865
Medical Devices (MEDEV)	67
Pharmaceuticals (PHARMA)	107
Test, Measurement, & Instrumentation (TMI)	105
Processed Chemicals & Materials (PCM)	341
Diversified Manufacturing & Processing (DMP)	116
Renewable Energy (RE)	208
Scientific, Technical, Engineering, & Consultancy Services (STECS) 987	
Business & Management Services (BMS)	6758
Finance and Insurance Services (FIS)	2402

This TBC only includes medical product/device manufacturing firms. Service and support firms to the medical device sector are included in the Scientific, Technical, Engineering, & Consultancy Services (STECS) category.

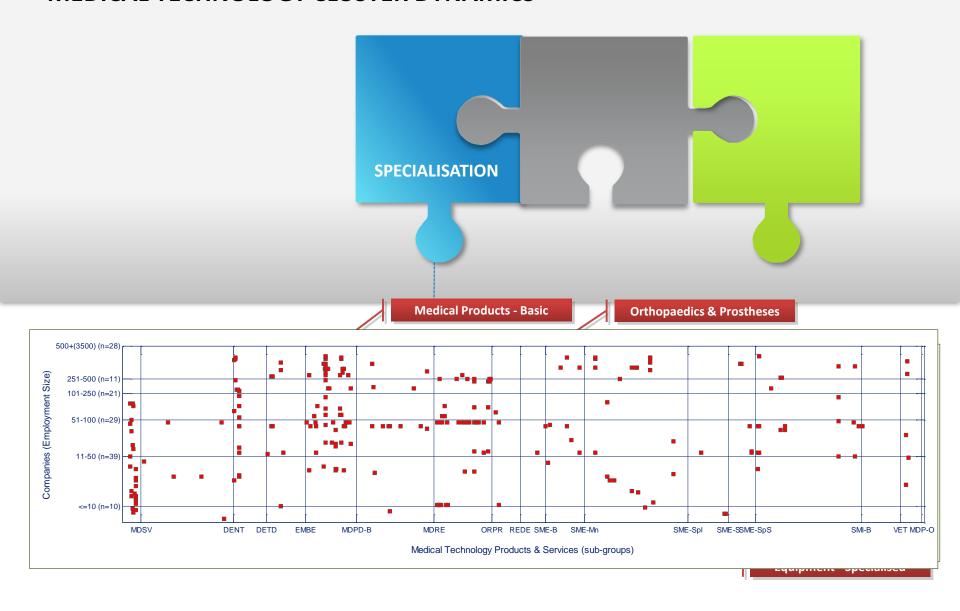


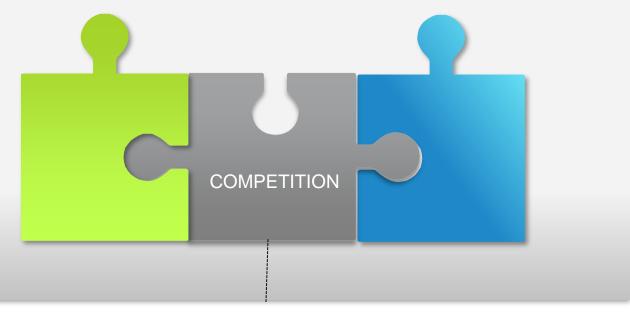


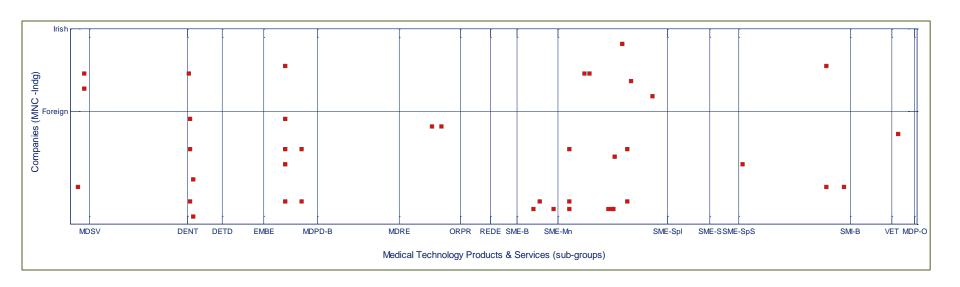
MEDICAL TECHNOLOGY CLUSTER

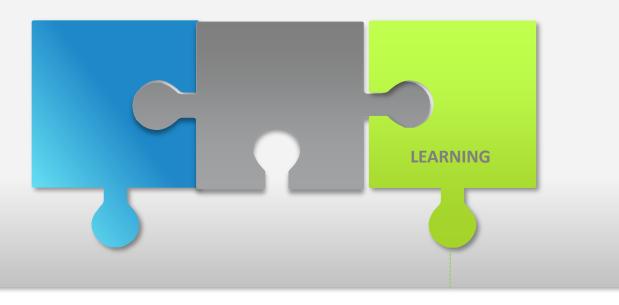


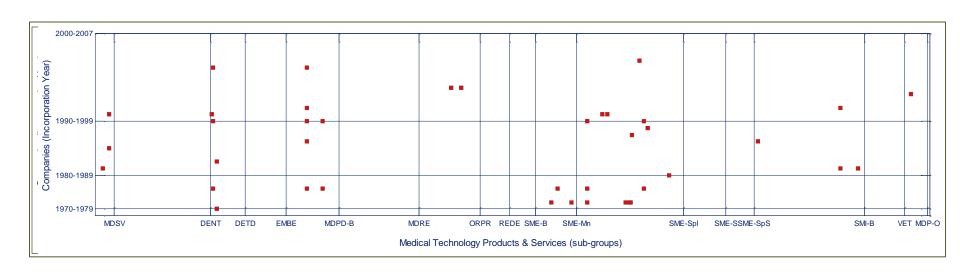


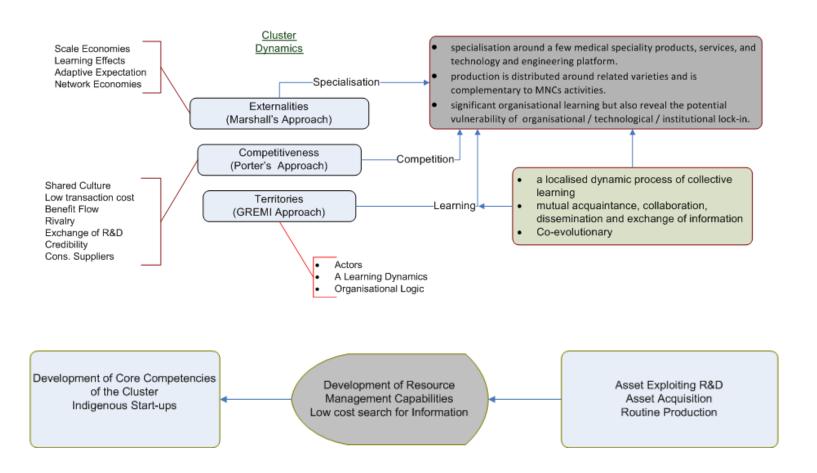


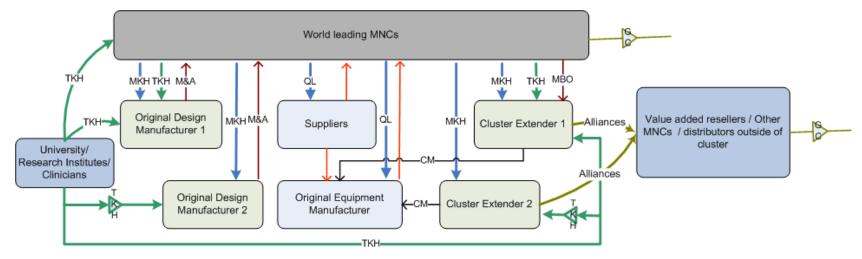












Legend: MKH – Managerial Know-How, TKH - Technological Know-How, MBO – Management Buy out, M&A – Merger & Acquisition QL -Quality Standard, CM – Contract Manufacturing, GC – Global Connection



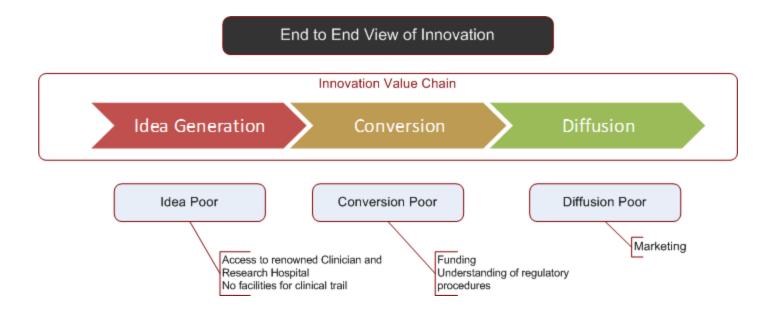
UNDERSTANDING MEDTEC-CLUSTER CAPABILITIES

	Product Development Capability		ment Capability
		High	Low
Process Management Capability	High	First Follower Innovation Mode Cluster Strategy Cluster Enhancer (Innovator – global connector)	Pioneering Mode Niche Strategy Original Equipment Manufacturer (High end component manufacturer / suppliers)
	Low	Product Technology Innovation /Pioneering Mode Niche Strategy Original Design Manufacturer (Innovator-gap fillers)	Application Specialist Mode Free-Riding Strategy Supply and Service Provider (Low end component suppliers)

Adapted from Yang, 2006



INNOVATION VALUE CHAIN OF INDG. START-UPS



Adapted from Hansen & Birkinshaw, HBR, 2007











Thank You

satyasiba.das@nuigalway.ie

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