

ICT A SOSTEGNO DELL'ECONOMIA CIRCOLARE

Agata Tringale
Emerging Trends and Opportunities

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**ISTITUTO SUPERIORE
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60 SECONDS TO PRESENT ISMB

ONGOING PROJECTS
currently

27 EU funded
49 industrial R&D
33 national & regional

7 research areas
3 strategic programs
4 functions

ISMB ORGANIZATION

OVERALL TURNOVER
in 2015

11,3 MLN €
5 MLN € CdSP
6,3 MLN € competitive budget

1192 total
142 in 2015

PUBLICATIONS

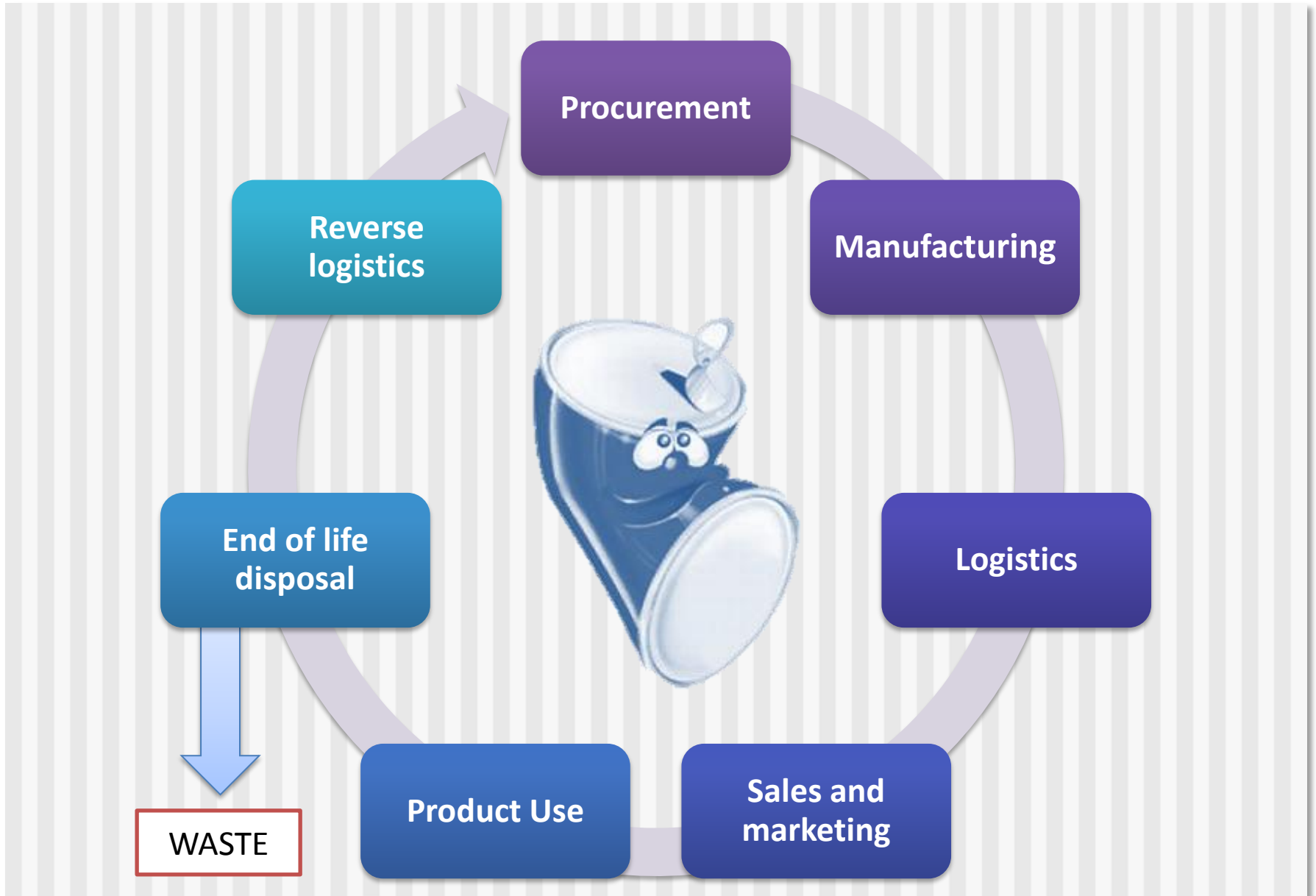
WORKFORCE COMPOSITION

58% master degree
85% engineers
36% PhD

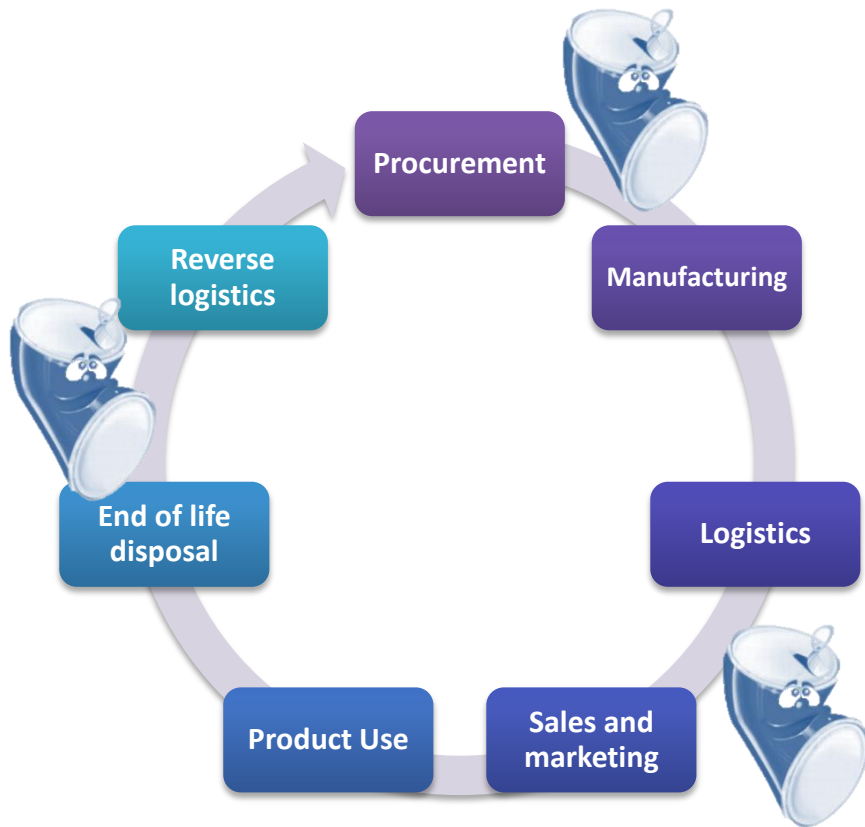
76 employees
45 collaborators
71 aged under 35

RESEARCHERS & STAFF

LA TESTIMONIANZA DI UNA LATTINA



VALUE CHAIN CIRCOLARE



PROCUREMENT & MANUFACTURING



- Smart Supply Chains/Networks (of new/recycled raw materials, semi-finished products)



- Technologies and Unified SCADA Architectures for Sustainable Process Industries (SPIRE) and Manufacturing (Industry 4.0)

LOGISTICS, SALES AND MARKETING



- Smart Supply Chains/Networks (of manufactured products)
- Automated/Intelligent Stock
- Management Smart Retail Systems
- Pervasive Marketing Systems



END OF LIFE AND REVERSE LOGISTICS




- Intelligent Assets Tracking: sharing and reuse



- Traceable/Personalized Waste Collection Processes

IL NOSTRO SUPPORTO ALLA CHALLENGE

Cercare di individuare le giuste tecnologie a supporto o abilitanti Business Model circolari

 Istituto Superiore Mario Boella		BUSINESS MODELS				
		Circular Supplies	Resource Recovery	Product Life Extension	Sharing Platform	Product as a Service
DIGITAL TECHNOLOGIES	Mobile			○	○	
	M2M				○	○
	Cloud				○	○
	Social			○	○	○
	Big Data Analytics	○			○	○
	Trace and return systems		○	○	○	
	3D Printing	○		○		

Source: AccentureStrategy - Circular Advantage: Innovative Business Models and Technologies to Create Value in a World without Limits to Growth

SFIDE APERTE



- 💡 Come condividere informazioni senza perdere vantaggio competitivo?
- 💡 Quali normative per scalare processi tra città/regioni differenti?
- 💡 Come usare i dati e salvaguardare la privacy degli utenti?
- 💡 Come incentivare i cittadini ad adottare comportamenti circolari?

CONTACTS



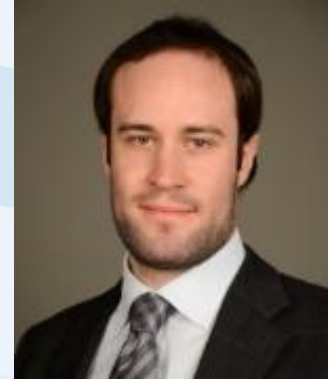
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SI PUÒ FARE!

