



WORLD CONGRESS 2014
SAO PAULO

THE CIRCULAR ECONOMY & THE WASTE
MANAGEMENT SECTOR

DAVID BEADLE

President of the Chartered Institution of
Wastes Management (CIWM) UK



The Chartered Institution
of Wastes Management

CONTENTS

- **Brief Introduction to CIWM**
- **CIWM on the circular economy**
- **The waste management sector & the circular economy**



About CIWM

- **Founded 1898**
- **Royal Charter from HM Queen 2002**
- **Approx 7,000 members**
- **10 Regional/National centres**
- **Members in all sectors of the industry**
- **Independently funded**



CIWM Activities

- **Scientific & technical**
- **Publications**
- **Education & training**
- **Government liaison**
- **Commercial activities – IWM Business Services**
- **Major exhibitions of plant & equipment**
- **Annual conference**
- **Seminars & workshops**
- **Vocational training courses**
- **Qualifying courses**
- **Library**
- **Careers advice**
- **ISWA national member**



CIWM & Circular Economy

***“The Circular Economy: What does it mean for the waste and resource management sector”
– President’s Report, October 2014***

Opportunities:

- **Thought leader/advocacy**
- **Relationship with leaders in the circular economy**
- **Training**
- **Communication**
- **Dissemination of case studies**
- **Information hub**
- **Research**



***The Waste Management Sector
& The Circular Economy***



Linear production systems



WASTE
WASTE
WASTE

- TECHNICAL & BIOLOGICAL MATERIALS MIXED UP
- ENERGY FROM FINITE SOURCES



The mind of a waste manager...



Radical change in product design

Theoretical Principle?

Repair / Refurbishment/ Disassembly

How can I make a profit?

Zero Waste

Threat or opportunity?

Closed Loop recycling

Quality / Quantity

Increasing recycling of products & materials

Who is my customer?

Is my business changing slow or fast?

Have we got the right infrastructure?

Who are my partners?



Where are we at the moment in our industry?

- Threat
- Cynicism



Reactive

- Opportunity
- Excitement



Pro-active



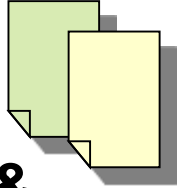
Be sure the circular economy will impact on us.



Where would we like to be?



Talk



Plans & Strategies

- Name changes
- Developing partnerships
- New processes
- Research & investment

What do we need?

- Leadership
- Fiscal & legal requirements
- Clarity of purpose
- Full awareness
- Definition of roles



UK perspective – where is leadership coming from

Ellen MacArthur Foundation & Partners



Waste & Resources Action Programme WRAP



Zero Waste Scotland



European Union EU



Coming Along

CIWM



Lagging Behind

UK Government



Dangers for the sector?

- **New business models cut-out the waste management sector**
- **New lifecycle supply chains created**
- **Elimination of waste as currently known**
- **Waste management sector is not a 'partner'**
- **Rise of repair, refurbishment and re-manufacture**
- **Waste management sector left with low-value materials**



How do we adapt?

Private Sector

- Collection
- Treatment/infrastructure
- Secondary resources
- Recovery of energy



Control High Value Materials



Local Authorities

- Collection/service
- Infrastructure/contracts
- Waste reduction
- Communication



Recover/Collect/process to meet new partner demands

STEP CHANGE ? OR REVOLUTIONARY CHANGE ?



The sector has evolved before – no reason to believe that it won't again

The Future:

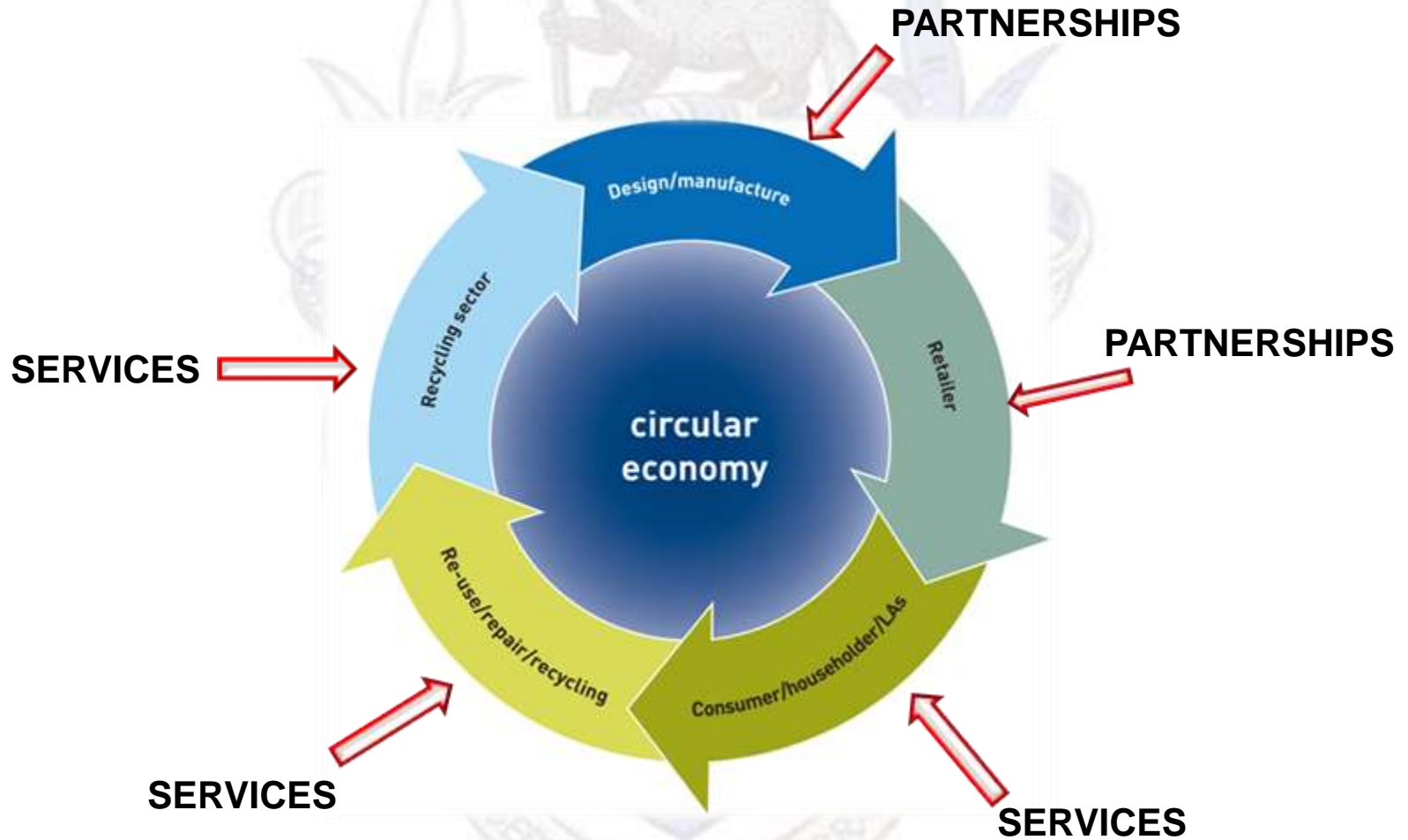
- **Collaboration & partnerships up & down the supply chain**
- **Evolve into a key part of the circular economy**
- **Become reliable, cost effective suppliers of secondary materials**
- **Remember the supply chain is global**

Requirements:

- **More knowledge**
- **Skills & training**
- **Improved leadership (everywhere?)**
- **Better data**
- **Infrastructure review**
- **Develop partnerships**
- **Public education**



International Resource Management – The Future !



www.ciwm.co.uk



The Chartered Institution
of Wastes Management