

# 16th Lme

Meeting with  
Coastal Partners

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## Successful examples of private sector implication in reduction of land base pollution

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Session: **4: Capacity Development**

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# TEST principles



## ➡ Resource Efficiency and Cleaner Production

Reducing energy & raw materials usage per unit of production

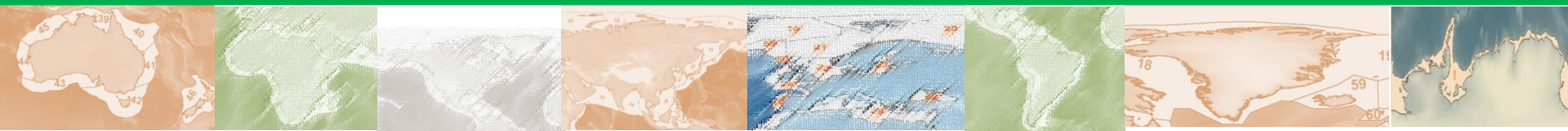
## ➡ Introduction of management systems

Including environmental management accounting (EMA) and the adoption of the CSR approach

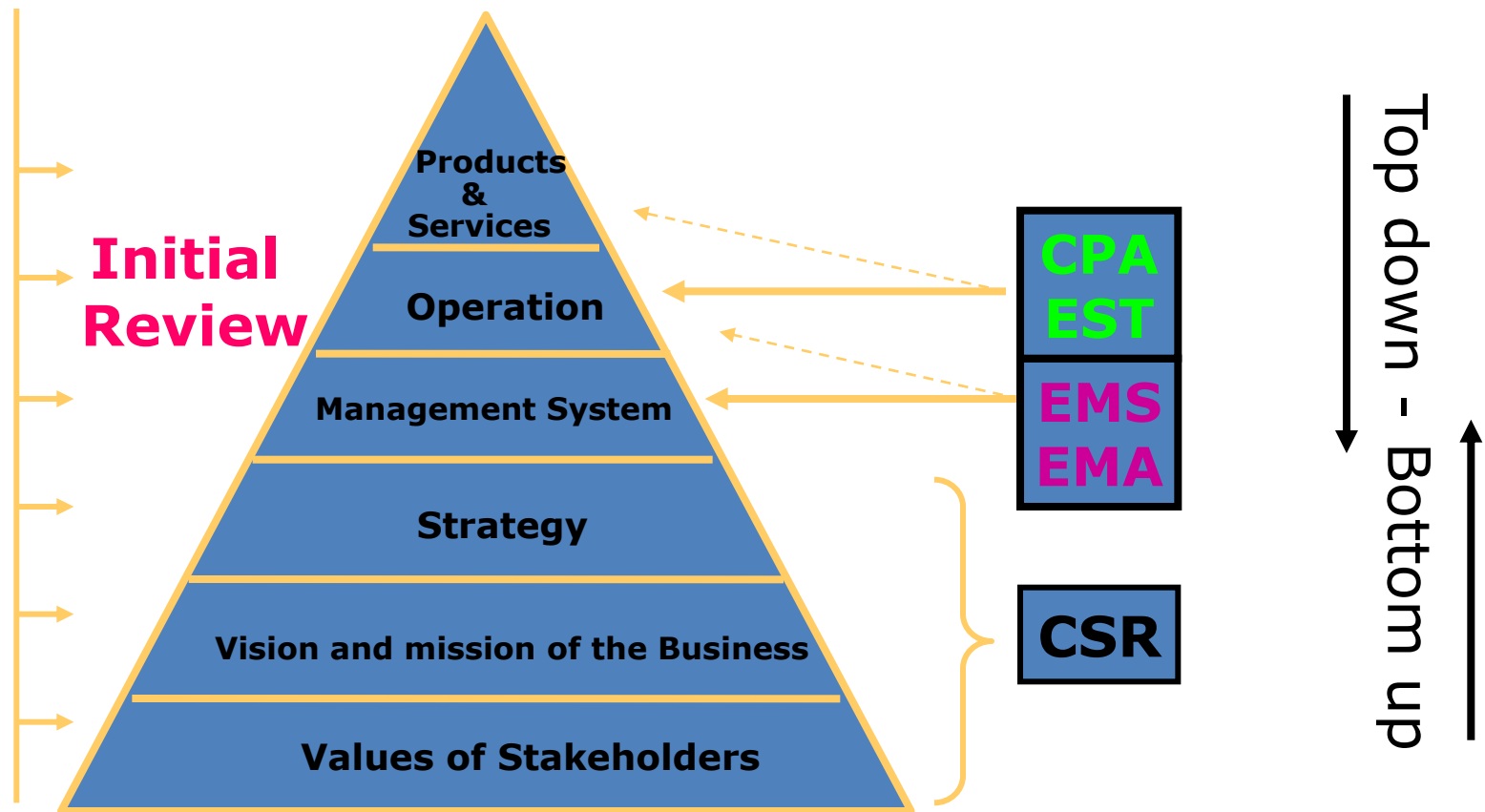
## ➡ Eco-design of products

Enterprises can redesign their products so that they contain less materials (dematerialization) or use less harmful substances

## ➡ Recycling and reuse of waste/water



# TEST Tool Box & the Management Pyramid



# TEST – major steps



Initial Review

Potential for improvement

Viability and commitment

Phase 1 CPA, EMS, EMA

(EMA – total costs of waste)

CPA – good practice

EMS – system support, vertical link

Phase 2 EST

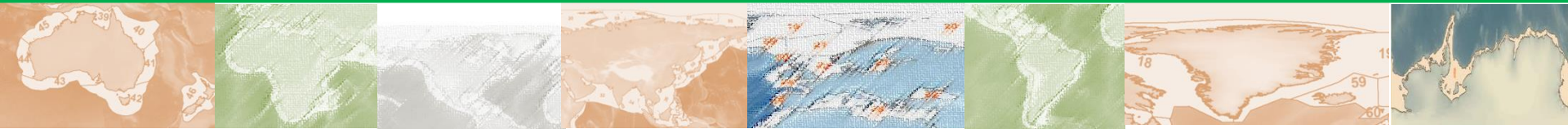
Investment needing measures

Feasibility study, Financing

Phase 3 SES/CSR

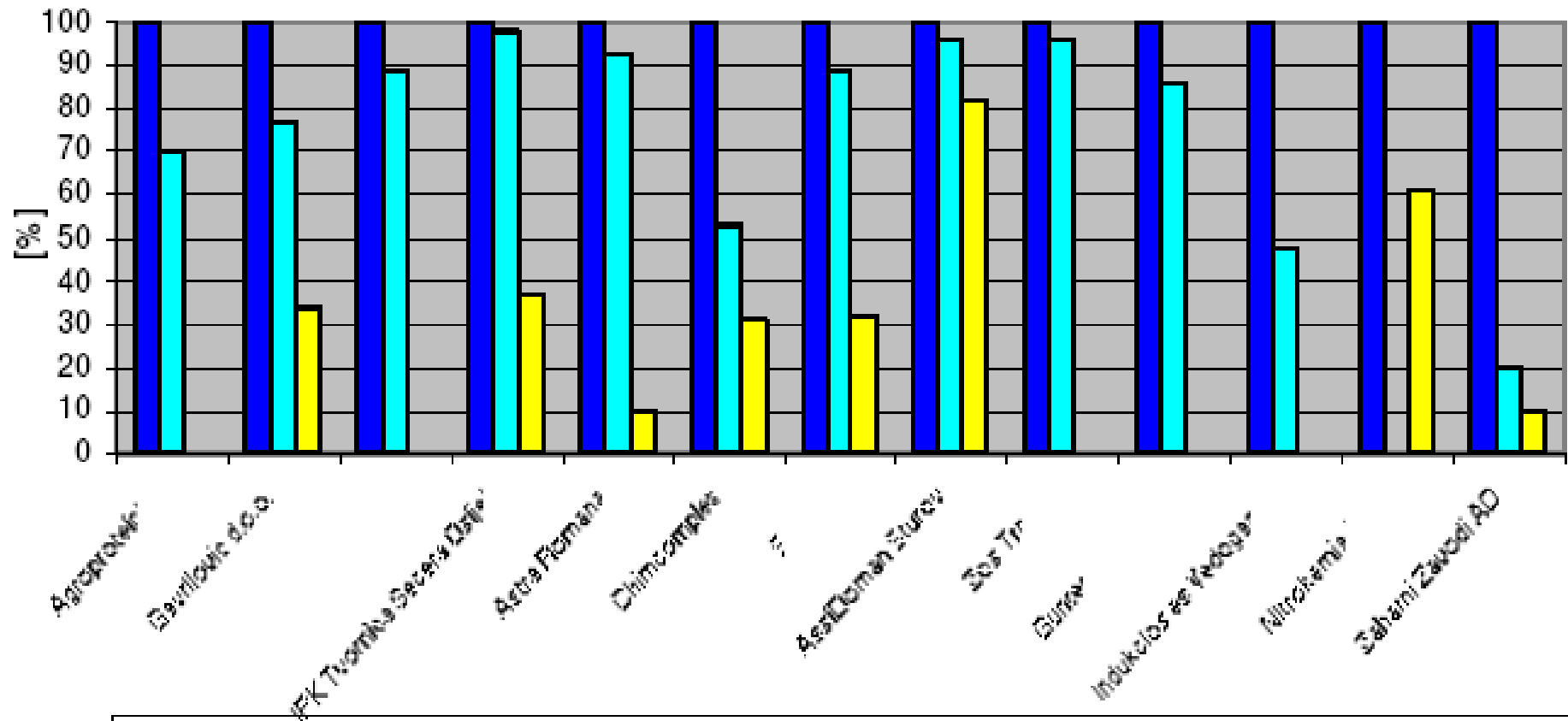
Evaluation and reflection

Sustainable Enterprise Strategy

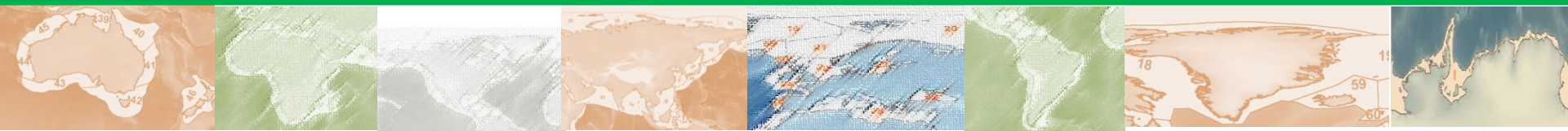


# TEST – practical applications (1)

## Water reduction



- Specific water consumption at project start
- Specific water consumption achieved by 2003 after implementation of CP type A and B measures
- Expected water specific consumption after implementation of type C (EST) measures

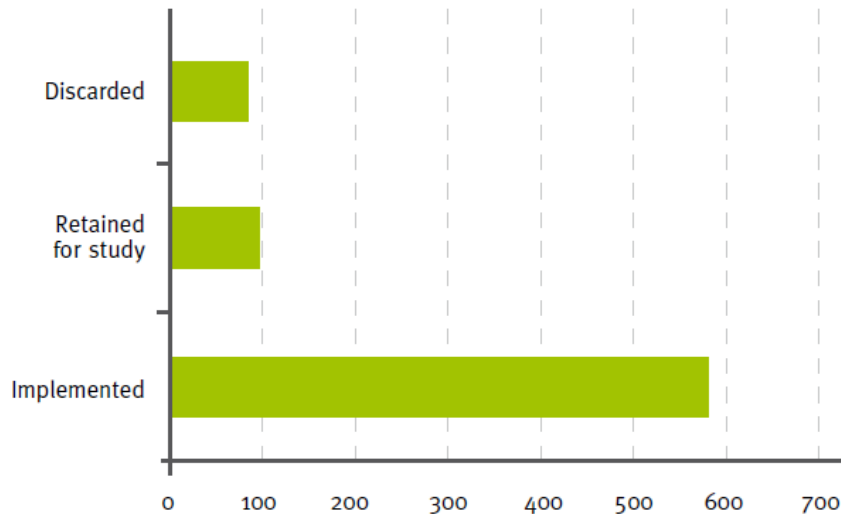


# TEST – practical applications (2)

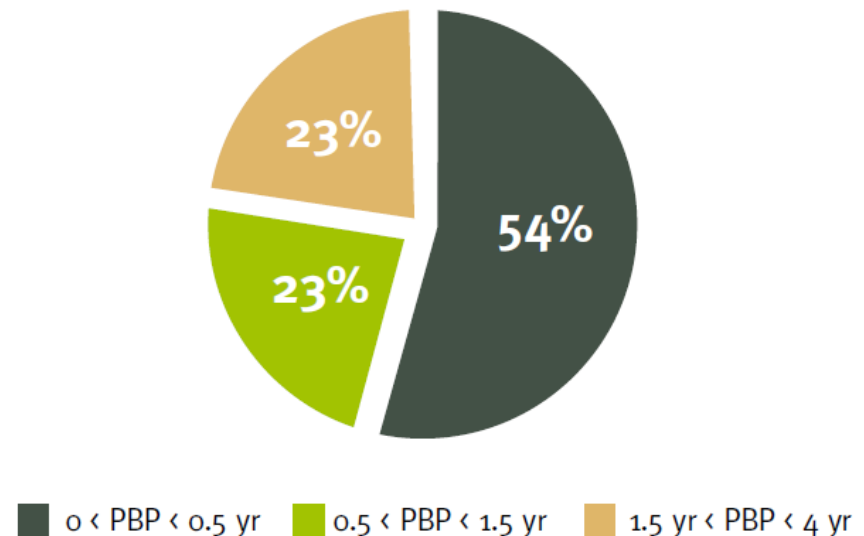
## Short pay back periods

- ❑ 765 measures identified, 76% implemented, 14% retained for further technical and economical investigation and 10% discarded.
- ❑ Annual savings of approximately 17 M USD
- ❑ Annual water and energy savings are respectively 9.7 millions m<sup>3</sup> and 263 GWh.

Number of measures implemented, retained for study, discarded at the demonstration sites



Return on investment of identified measures at the demonstration sites

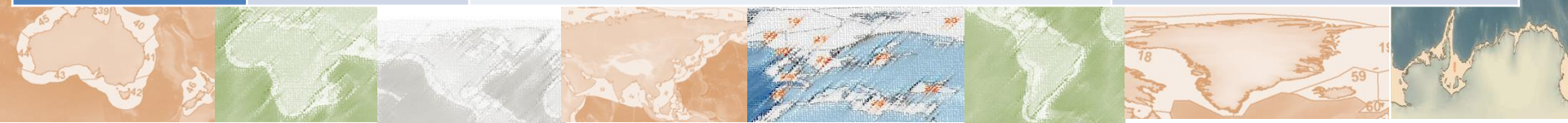




# TEST – practical applications (3)

## Applicable to many sectors

Establishment	Basic Information	Highlights	Results
<b>Turtle Bay Beach Club</b>	Rooms: 145 Beds: 290 Staff: 236	<ul style="list-style-type: none"> <li>Composting majority of organic waste &amp; giving compost to community; host community recycling plastics facility through partnership with WMA</li> <li>Practice energy audit programs (monthly)</li> <li>Strong CSR Community Programs including: education (i.e. supporting school projects); support ecotourism programs (i.e. turtle watch);</li> <li>Waste water recycling system, waste management plan</li> </ul>	<ul style="list-style-type: none"> <li>29% reduction on energy use (567,000 kWh/year) with low cost options (&lt;500 USD)</li> <li>Significant reduction in waste generated</li> <li>Reduction in water use</li> </ul>
<b>Hemingways Resort</b>	Rooms: 76 Beds: 152 Staff: 140	<ul style="list-style-type: none"> <li>Demonstrates composting programme, waste and water recycling system</li> <li>Supports CSR community programs (i.e. schools sponsorships, WMA sponsorship)</li> <li>Uses alternative green energy (i.e. solar water heaters)</li> </ul>	<ul style="list-style-type: none"> <li>Savings on energy use of over 17,000 USD</li> </ul>

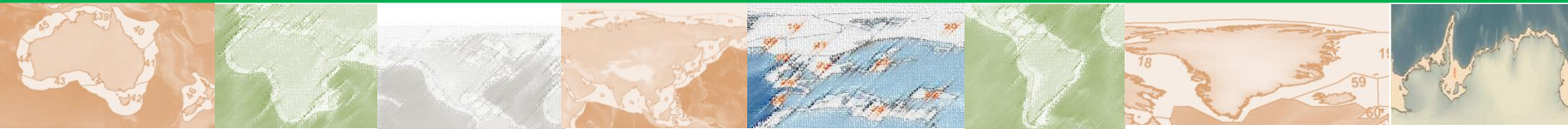


# Lessons learned (Macro level)



The level of achievements in industry depends on key factors:

- Environmental legislation and Enforcement
- Access to finance: incentive schemes and business environment for investment
- Supply chain and market requirements (exporting sectors)
- Utility costs



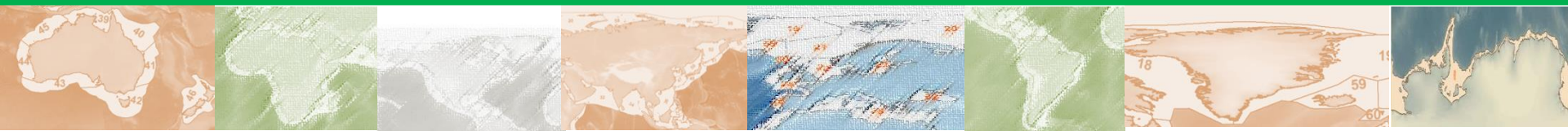


# Lessons Learned (Micro level)



Engaging and working successfully with private sector requires:

- Integrated approach that links sustainability to core business strategy, management systems and manufacturing processes
- Confronting and profiting from environmentally-related standards/technology in the global market (key driver)
- Training, Monitoring, Follow up & Top management engagement
- Multidisciplinary skills and technical sectorial expertise
- Flexible approach depending on company size and baseline, possibly linking to financing investment schemes (SMEs)



# Conclusions

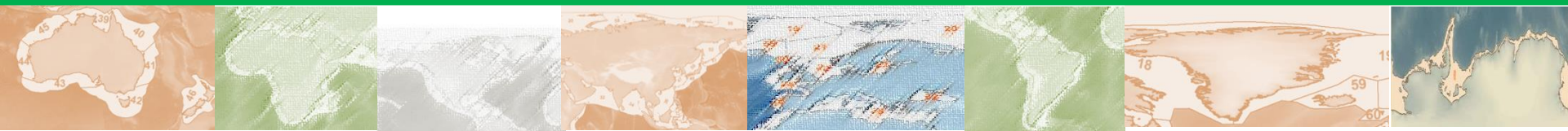


Private sector is an “excellent” partner for GEF LME projects

- Co-financing > 1:10
- Huge potential for Stress reduction

Key issues for project/Private Sector partnership:

- Pragmatic approach and business language
- Tailored programmes for SMEs and larger companies
- Country demonstrations— industry need to be convinced
- Upscale and Replication



# Thank you for your attention

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