

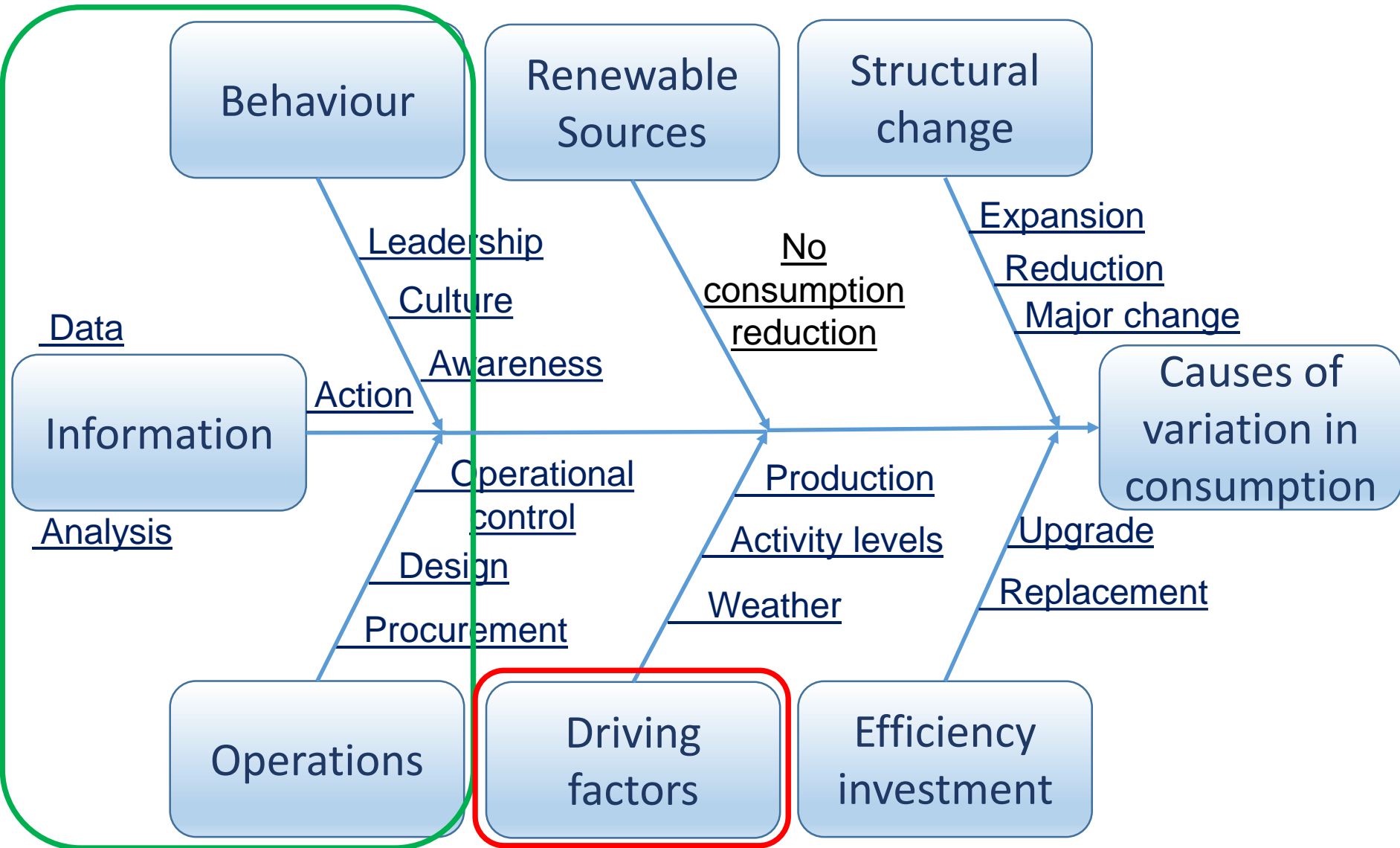


Policy and business decision-making for energy efficiency

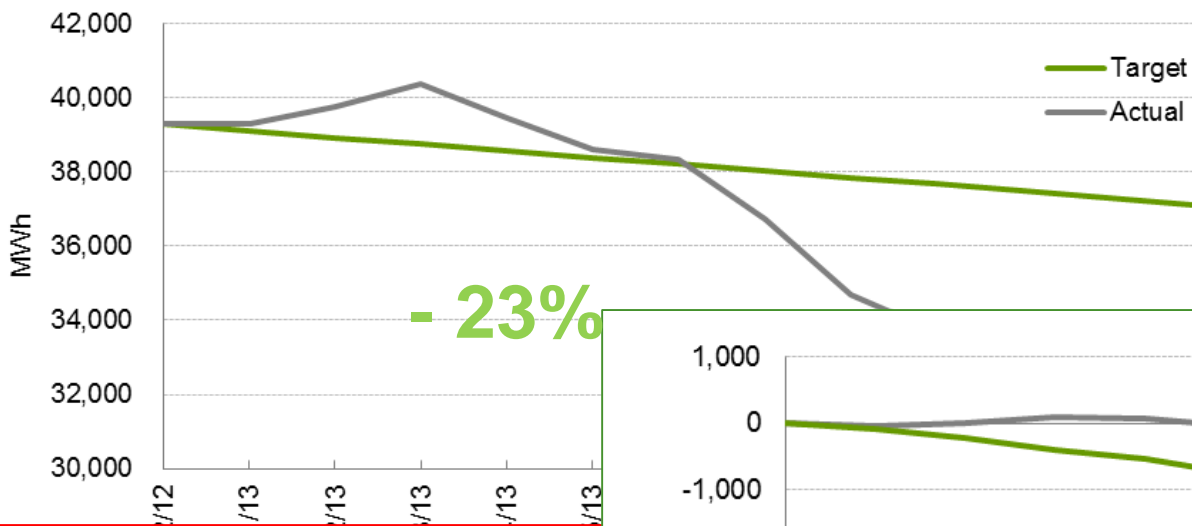
Are we improving or not?

Liam Mc Laughlin
Chief Technical Officer, GEN Europe
UNIDO Lead International Expert

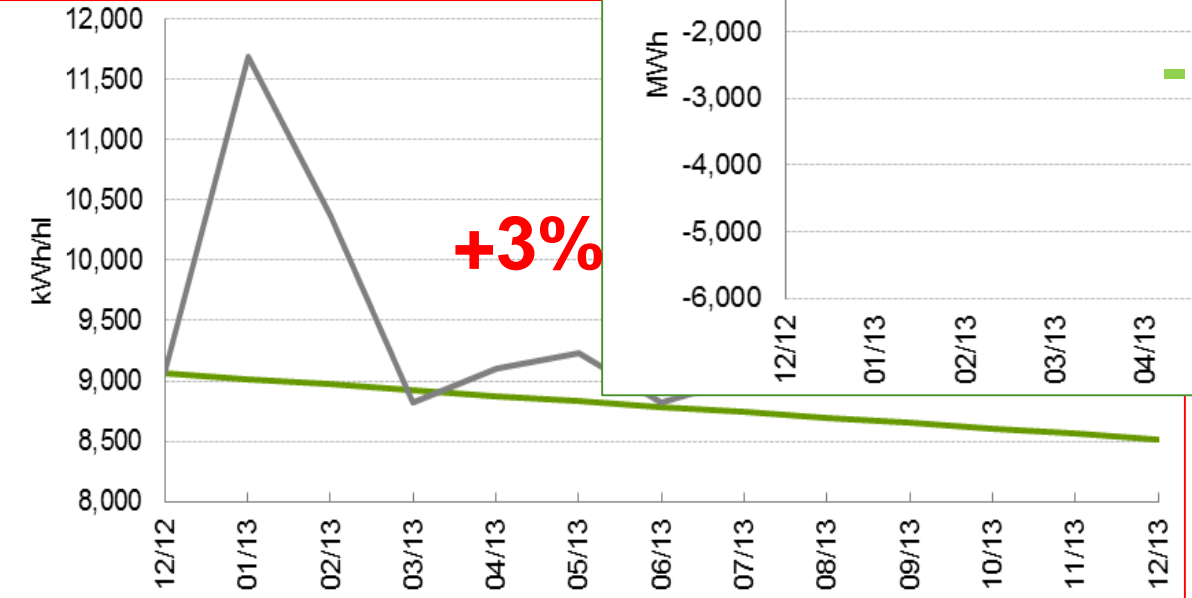




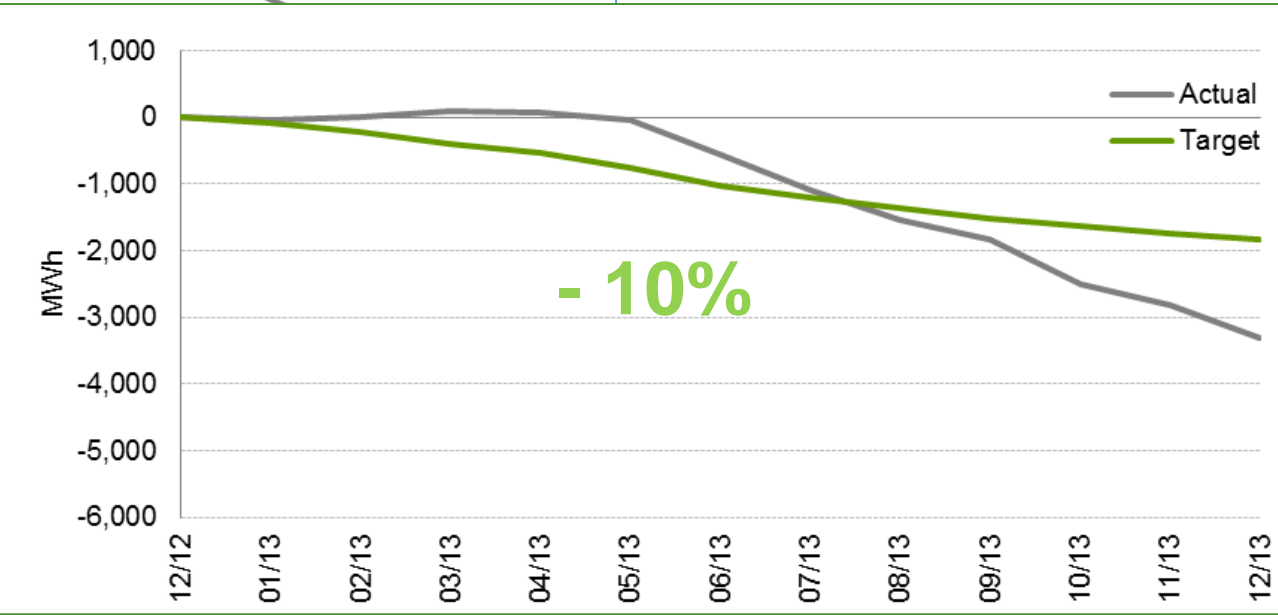
Different views and different purposes



- 23%



+3%



- 10%

Drinks industry



"How many managers have been told by their staff that bad coal consumption was due to low output? How is it possible for them to judge whether this is an excuse or a reason?"

These are the opening words from a fuel efficiency bulletin, published in 1943 by the Ministry of Fuel and Power, which criticises the "ton of coal per ton of output" metric as a misleading indicator of fuel efficiency.



Barriers



- Operational control knowledge
- Low cost savings
- *“we are already the best”*



- Specific Energy Consumption (SEC) based goals
- Practical knowledge
- *“we already know this”*



- Non-energy benefits
- *“energy efficiency is expensive”*



Key issues to be addressed

- **Improve alignment at policy level**
 - Promote energy conservation/low cost measures
 - Targets – Action Plans – Measurement
 - Highlight non-energy benefits
- **Capacity building – knowledge and best practice**
 - Operation of technology
 - Performance measurement
 - Financial appraisal integrating non-energy benefits

Achievements (9 countries)

- 303 UNIDO Qualified EnMS Experts
- 271 Enterprises with EnMS implemented
- 5,183 energy efficiency practitioners and enterprise personnel received training in EnMS
- Annual final energy savings of about 2,100 GWh (2015)
- Annual GHG emission reductions of 1.26 million ton CO₂ (2015)
- Annual monetary savings of about USD 82,000,000 , without considering non-energy benefits
- Annual improvement rate ranging from 4% to 15% against normalized baseline and without capital investments

UNIDO-GEF Global EnMS-ISO 50001 Program



Operational in 17 countries
Planned activities in 10 countries

Projects ongoing

South Africa	Indonesia
Moldova	Egypt
Russia	Iran
Turkey	Ukraine
Ecuador	Colombia
Malaysia	Macedonia
Thailand	Myanmar
Viet Nam	India
Philippines	

Planned activities

Other donors

- ✓ Swiss State Secretariat for Economic Affairs
- ✓ UK Department for International Development
- ✓ Government of South Africa
- ✓ Government of Italy
- ✓ Government of Austria



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Thank you

