



Technology Roadmaps And Lists; Supporting The Uptake Of EE Products In Asia

Eloise Burnett; South East Asia Manager, Carbon Trust Singapore



We work with businesses, governments and multilateral organisations, helping them contribute to and benefit from a more sustainable future



Est. 2001

nineteen years of
global experience

30+

over 30 nationalities on
our expert team

5

working across five
continents

Talking points



ASEAN Low Carbon Energy Programme developing roadmaps for the implementation of Energy efficiency motors minimum and high Energy performance standards



Technology lists as mechanism to support EE product uptake

ASEAN Low Carbon Energy Programme (LCEP)

The ASEAN Low Carbon Energy Programme (ASEAN LCEP) is a £15m aid programme of the UK's Prosperity Fund. In close collaboration with local and international entities from both the public and private sectors, the programme seeks to help ASEAN harness the benefits from the deployment of low carbon energy by leveraging the UK's extensive and proven expertise in green finance and energy efficiency.

2 key pillars



Green Finance



Energy Efficiency

4 areas of support



Policy support



Promotion /
Awareness Raising



Product Standards



Pilot Projects

6 partner countries



Indonesia



Malaysia



Myanmar



Philippines



Thailand



Vietnam

Targeted impacts

- **Primary benefits:** Inclusive growth and poverty reduction through increased energy efficiency and adoption of low carbon energy, through the use of green finance
- **Secondary benefits:** Improved trade in green finance, energy efficiency and low carbon technology between partner countries and rest of the world, including the UK

Timeline

Inception phase
Mar to Sep 2019

Implementation phase
Sep 2019 to Mar 2022

Interventions are designed based on stakeholder inputs, analysis of barriers and assessment of donor activities

Support the uptake and implementation of Minimum and High Energy Performance Standards for electric motors



Review the electric motors market to quantify what the GHG emissions impact would be if there were more stringent regulations



Encourage the adoption of harmonised product test standards aligned with IEC 60034



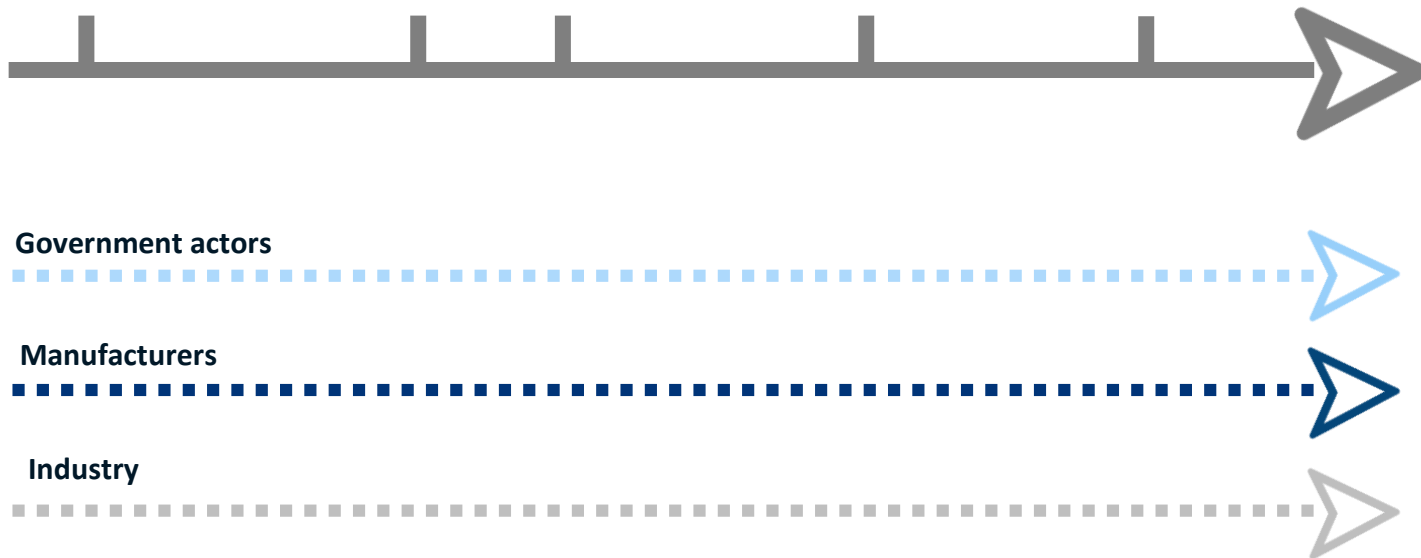
Develop a national roadmap for MEPS and HEPS adoption



Review the MEPS and HEPS Monitoring, Verification and Enforcement framework at a national level

Implementation roadmaps provide early warning of changes for all stakeholders

A country roadmap for implementing high efficiency motors



Technology lists- visibility of the most efficient products from a trusted source

Barriers

Lack of trusted information sources

Lack of visibility of EE products

No motivation to spend more on higher quality products

No way to prove a product is green

Tool:
A list or catalogue of approved products which reach a certain threshold of performance validated by a trusted party

Uses

Reference point for a fiscal incentive such as tax relief

Procurement tool

Quality Assurance

Performance validation

Certification

Outcomes

Customer confidence

Non-experts can get the information they need

Market competition

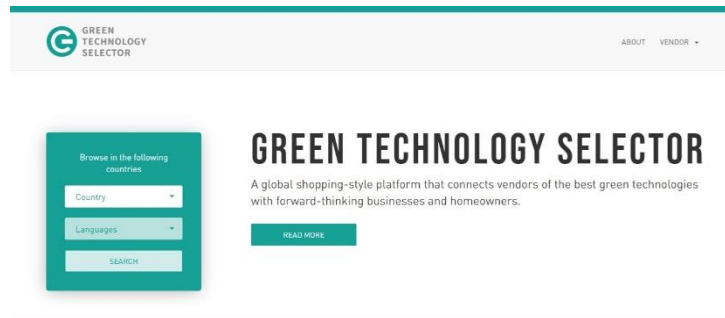
Product innovation

Lower perceived risk

Tool for green finance

EBRD's Green Technology Selector

- GTS was developed as a tool that helps in identifying technologies eligible for EBRD financing.
- Launched in 2018 it is available in EBRD areas of operation
- Each country has a market-specific '**Green Technology Selector.**'
- Financial institutions, banks, leasing companies, microfinance institutes are referring to GTS as a **technical eligibility assessment tool**:
 - integrating it into their existing processes to de-risk their investments in any green project
 - developing specific products using the GTS e.g. a specific loan product



- Attracts available green finance
- Lowers transaction costs by reducing the need for technical due diligence

Carbon Trust role: expanding the GTS in to China



The Carbon Trust is working with the EBRD to support the expansion of the Green Technology Selector (GTS) in China. This involves identifying priority green technology areas, registering local manufacturers to the GTS and conducting initial engagement with key Chinese stakeholders, including industrial associations, government authorities and leading financial institutions.

Five key actions will be taken during this phase:



Market analysis



Marketing material
development



Initial stakeholder
engagement



Initial GTS population
(Target: 50
manufacturers)



Next phase
stakeholder mapping



Thank you

Eloise.Burnett@carbontrust.com