ITCP capacity building activities to address GHG emissions from ships

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IMO’s GHG Work has three distinct routes:

- **Technical** - mainly applicable to new ships - EEDI
- **Operational** - applicable to all ships in operation – SEEMP and EEOI
- **Market-based Measures (MBM)** – carbon price for shipping, incentive, may generate funds.
New Chapter 4 to Annex VI

- Regulation 19 – Application
  - Ship types: bulk carriers, tankers, container ships, general cargo ships, gas carriers, reefers and combination carriers
  - covers 71% of international shipping CO2
  - all ships >400 GT

- Regulation 20  Attained EEDI (new build)
- Regulation 21  Required EEDI (against reference line)
- Regulation 22  SEEMP for all ships
- Regulation 23  Technical co-operation and transfer of technology

- International Energy Efficiency Certificate (IEEC)

Expected to enter into force 1 January 2013
Identification of capacity building needs

- Preliminary assessment presented to MEPC 61
- Raise awareness with the goal of instilling in the industry an energy efficiency culture
- Training of flag State and port State control officers
- Training of seafarers in use of new technologies
- IMO’s Integrated Technical Co-operation Programme for the 2012-2013 biennium allocated funding for the training activities and implementation of Chapter 4 prior to entering into force of the amendments
- 2011 Agreement between IMO & Korea International Cooperation Agency (KOICA)
IMO - KOICA cooperation agreement

- IMO- KOICA signed an agreement on 21 April 2011

- Project focuses on building capacity and capability in East Asian countries with maritime interests

- 10 activities in total

- Part of the activities are national and sub-regional workshops

- Development of training and communication materials available for use by all IMO member states
Awareness Raising Activities

- 2 sub-regional and 2 national workshops in 2011/2012
- 1 sub-regional and 1 national workshop (tbc)
- Host countries: Singapore, South Africa, Thailand and the Philippines, Latin America (tbc)
- To raise awareness of mandatory energy efficiency regulations for ships and technical and operational measures in addressing energy efficiency and GHG reduction from international shipping
- To enhance the global uniform implementation of applicable mandatory IMO measures and to enable Member States to take appropriate actions
Activities on Fuel Efficient Ship Operations

- 3 National workshops in 2012/2013
- Host countries – Philippines, Malaysia and Indonesia
- Implementation and optimization of operational energy efficiency measures on board ships
- Training material developed will also be relevant for and may be used by training institutes and shipping companies (training package and video)
Activities on Fuel efficient Ship Design

- 2 Sub regional workshops in 2012/2013
- Host countries - Vietnam and Republic of Korea
- Comprehension of the regulatory measures to improve energy efficiency in international shipping, in particular, the EEDI and its supporting guidelines
- To enable the participants to use relevant tools for calculation of a ship’s EEDI value with a number of interacting options in order to see how the EEDI value may be improved cost effectively
Workshop/training on Port State Control

- One Sub-regional workshop
- Host country – Indonesia – Sept 2012
  - To raise awareness of the requirements of MARPOL Annex VI specifically the provisions to prevent air pollution and improve energy efficiency of ships
  - To enhance the global uniform implementation of applicable mandatory IMO measures
IMO Model course on energy efficient ship operation

- 5 day course developed by WMU
- Requires appropriately trained and qualified staff to deliver course
- Designed for both ship and shore-based personnel with responsibility for development and implementation of SEEMP
- Classroom based but learning will be optimized through use of bridge and engine room simulators
- Reference materials include IMO instruments and training materials developed plus industry guidance
- Training materials included
Training and Communication

• Legal, policy and institutional capacity building for administrations
  – Member State needs analysis
  – Focussed support for development of national legislation to implement MARPOL Annex VI

• Communication materials developed for each of the four training activities: awareness, operational, design and port State control

• Additional training and outreach to be developed
Summary

• New energy efficiency regulations require capacity building effort for successful implementation by all IMO member States

• Current plans include scaling up TC activities

• Attracting new donors

• Member States invited to request specialist focussed assistance and to host workshops

• Training and outreach material may be used by Member States in their domestic activities
Thank you for your attention

For more information please see: www.imo.org