Pilot Project
MTCC - Asia

Data collection
Philosophies

• Achieving harmonization through wide co-ordinations (with IMO, with maritime countries) and sharing and contributing

• Pursuing the professionalism and specialization

• Relying on modern technologies

• Using more stakeholders: Ministry of Transport of China, Cambodia, Thailand, DNV, BSM(Germany), COSCO-Shipping, CCS, SIPG, and Shanghai Governmental Commissions, etc.
**Step 1: Seminar.** To propagate the mandatory requirements on ship fuel oil consumption data collection, to formulate the guiding principles and to seek the support from the industry.

**Step 2: System development.** To develop a system able to automatically and/or manually collect, transmit and process ship fuel oil consumption data.

**Step 3: Data collection.** To obtain and store real ship fuel oil consumption data from on board to on shore after installing the system developed on board.

**Step 4: Data analysis.** To analyze the data collected for demonstrating the general situation of the given ship fuel consumption and verifying the availability and reliability of method used.

**Step 5: Guideline and video development.** To develop a guideline and a video which presents the know-what and know-how on ship fuel consumption data collection and distribute those to the ships.

**Step 6: E-reporting establishment.** To establish a voluntary E-reporting system on ship fuel consumption data collection for facilitating the industry to enforce the requirement.
Pilot project

• Seminars for two pilot projects
Pilot project

• Ship visits.
Data input and data storage:
- To input the ship’s dynamic information regarding the ship fuel oil consumption data collection and reporting;
- To store the data collected on board;

Data transmission:
- To transmit data collected from on board to on shore in real time independent of the existing system used on board;

Data processing and data storage:
- To automatically aggregate data and produce the annual Table as required;
- To store the data collected on shore;
Analysis - container ships

Aggregated amount of container ship
Relation between speed and unit fuel oil consumption of container ship
Analysis - Bulk vessels

Aggregated amount of bulk carrier
Relation between speed and unit fuel oil consumption of bulk carrier
Analysis: Oil tankers

Aggregated amount of oil tanker
Relation between speed and unit fuel oil consumption of oil tanker
Plan for future (MTCC-Asia)

• More data!!!
• Practical applications
• To be contributing to IMO
• Sustainable development ......
Thank you for your attention!
http://www.mtccasia.org/