

## **Recommendations**

### **Development of Suez Canal Corridor:**

- Speeding up the implementation of the development plan of Suez Canal region and promote investment in East Port Said Zone to benefit from the various capabilities and fulfill the need for more industrial and service projects in coordination with the establishment of the international economic center in the Suez region. Safety measures need to be provided for working environment in ports and simulation for all risks that could be faced.

### **Development of Sea Ports and Container Terminals:**

- Promote the programs and studies of strategic planning for ports and other cargo terminals. The adoption of strategic planning enables ports to achieve their development within the constraints of available resources.
- Revise contract items with investors taking into consideration optimum risk distribution for the risks beard by investors, in order to attract more international terminal operators and investors in maritime transport related activities.

### **Development of Logistics Centers:**

- Take necessary action to establish a number of logistics and distribution centers, taking into account the coordination needed with customs authority to modify customs laws to consider logistics center as a customs zone, which allows cargo to be transported directly from the seaport to the logistics center and perform customs clearance at logistics centers.
- Pursue more efforts in the Arab and Egyptian regions towards providing logistics areas to serve our needs and that of the international society. International companies operating in this field could benefit from our geographical location, hub ports and hinterlands; an example is the development of Suez Canal corridor.

### **Development of Multimodal Transport:**

- Importance of setting a strategic plan for the integration of transport modes and benefit from the comparative advantage of each mode.
- Set a safer mechanism for transport by trucks by using lockers in order to better maintain the roads and increase safety measures.
- Implementation of logistics services needed for internal multimodal transport between the ports and their hinterlands. Increase usage of river transport as it provides special advantages within a complete strategic vision.

### **Development of Legislation:**

- Devise a plan that ensures the presence of an appropriate investment climate to encourage the return of investors to the Egyptian maritime transport industry. Provide possible incentives and minimize foreign investment risks at the home country. Revise investment legislation.

**Training and Human Resources Development:**

- Encourage the adoption of a compulsory governmental framework for training needs and skill development for employees in port and maritime transport sector both at the entry level and for promotion requirements within different organizational structures.

**Information Technology:**

- Support logistics cloud system (Cloud Computing) in Egypt whereby the government sector collaborates with universities and research institutes (example: Arab Academy) to support this sector for its significant economic impact on Egypt's regional role.

**General Recommendations**

- Maximize the benefit from international, regional and bilateral agreements in logistics and maritime transport industry. Utilize the good location of Arab countries as they are regional hubs at the center of international trade.
- Establish Arab companies for feeder services, that could start by leasing.
- Encourage the adoption and disclosure of Social Corporate Responsibility practices by container terminal operators and companies in the industry.
- Support and develop small enterprises through encouraging universities to adopt innovative ideas developed by their graduates and establish business incubators.
- Study the barriers to entry for Arab commercial fleets in the liner shipping industry, which depends on the competitive abilities and size of investment required. Confront the barriers to entry and exit to and from the oligopolistic transport market in order to identify the investment opportunities that Arab nations have in container terminals and Arab ports.
- Completion of economic resources database, mineral resources, geological topography for Upper Egypt. This will help in best utilizing the development projects in southern Egypt (Toshka, Nasser Lake, Shalateen). Improve the connectivity of horizontal and vertical roads with Egypt's road network which is meant to be interconnected with Sudan and other African countries in the future.

## **Recommendation of Operation Research Workshop and its Role in Solving Transport Problems**

Among the events held during **MarLog 3**, a workshop was held titled “Operations Research and its role in solving transport problems” on 10/03/2014, headed by Prof. Dr. Mohamed Othman- Vice president of 10<sup>th</sup> of Ramadan University. Five researchers participated in the workshop where they discussed the modern trends in operations research and solutions to a number of transport problems.

The workshop concluded the following recommendations:

1. The importance of organizing one day seminars and workshops periodically for top and middle manager in the maritime transport to stay up to date with recent applications in OR in maritime transport industry and present leading experiences and provide consultation.
2. Provide an opportunity for employees at maritime transport sector in Egypt and the Arab world to obtain the operations research and decision support diploma, organized by Maritime Research and Consultation Center (MRCC)– Arab Academy. This diploma aims at increasing the efficiency of employees performance and more accurate decision making in this vital transport sector.
3. MRCC as the primary consultant for maritime transport in Egypt is encouraged to support authorities and organizations in the maritime transport industry through providing projects related to performance improvement and solving the problems of this vital sector by OR approaches and methodology.