



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري  
Arab Academy for Science, Technology & Maritime Transport

MRCC



## International Maritime Transport and logistics Conference Toward Smart Ports

13-15 March 2016 Hilton Green Plaza – Alexandria - Egypt

**Presentation Title:** OnTime CT- a prototype of integrated “web-based” and “mobile” interactive information system for online real-time scheduling of container delivery and receipt activities in container terminals

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## **Agenda**

**1- Introduction**

**2- Problem Description**

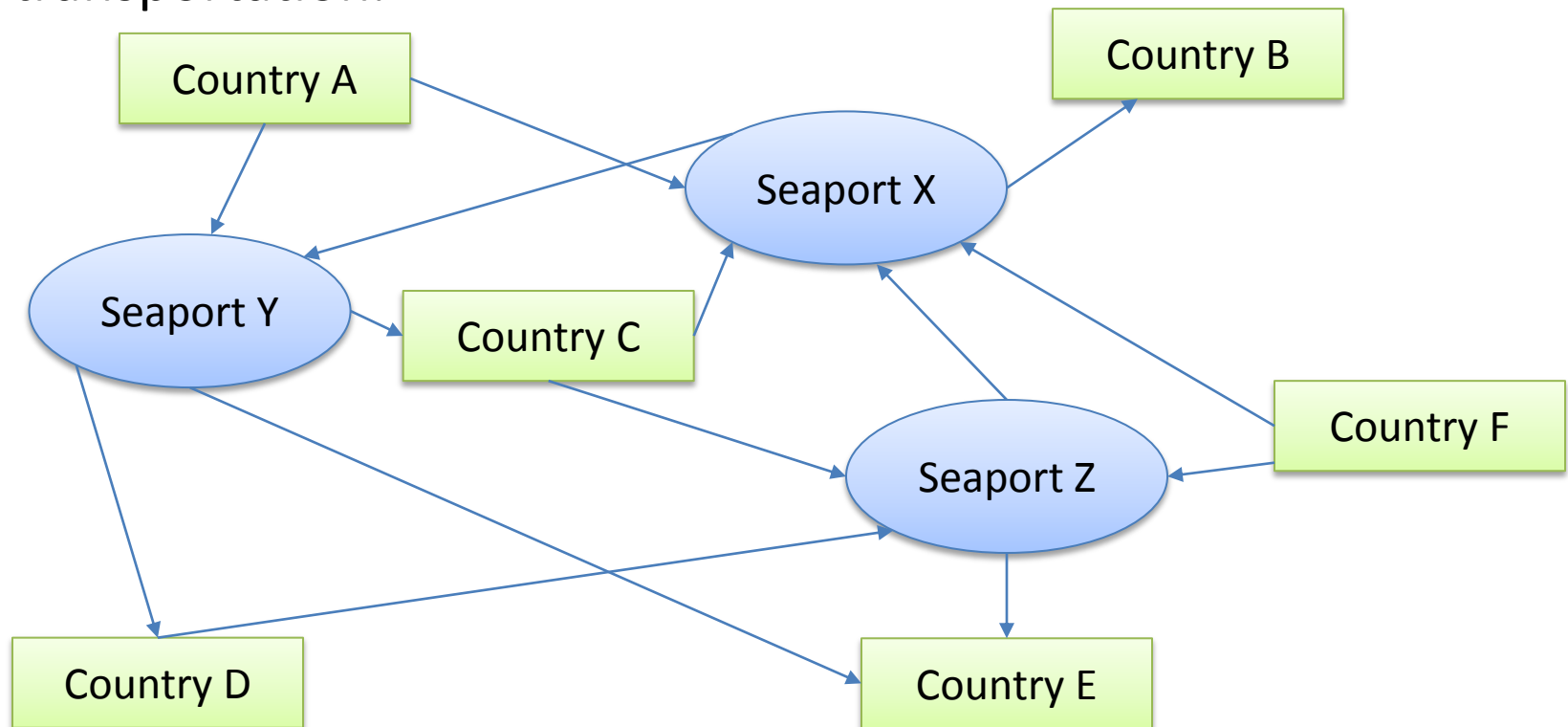
**4- OnTime CT**

**5- Related Work**

**6- Conclusion and Future Work**

## Introduction

- Seaports are the linkage nodes between countries in the global supply chains for the containerized cargo transportation.

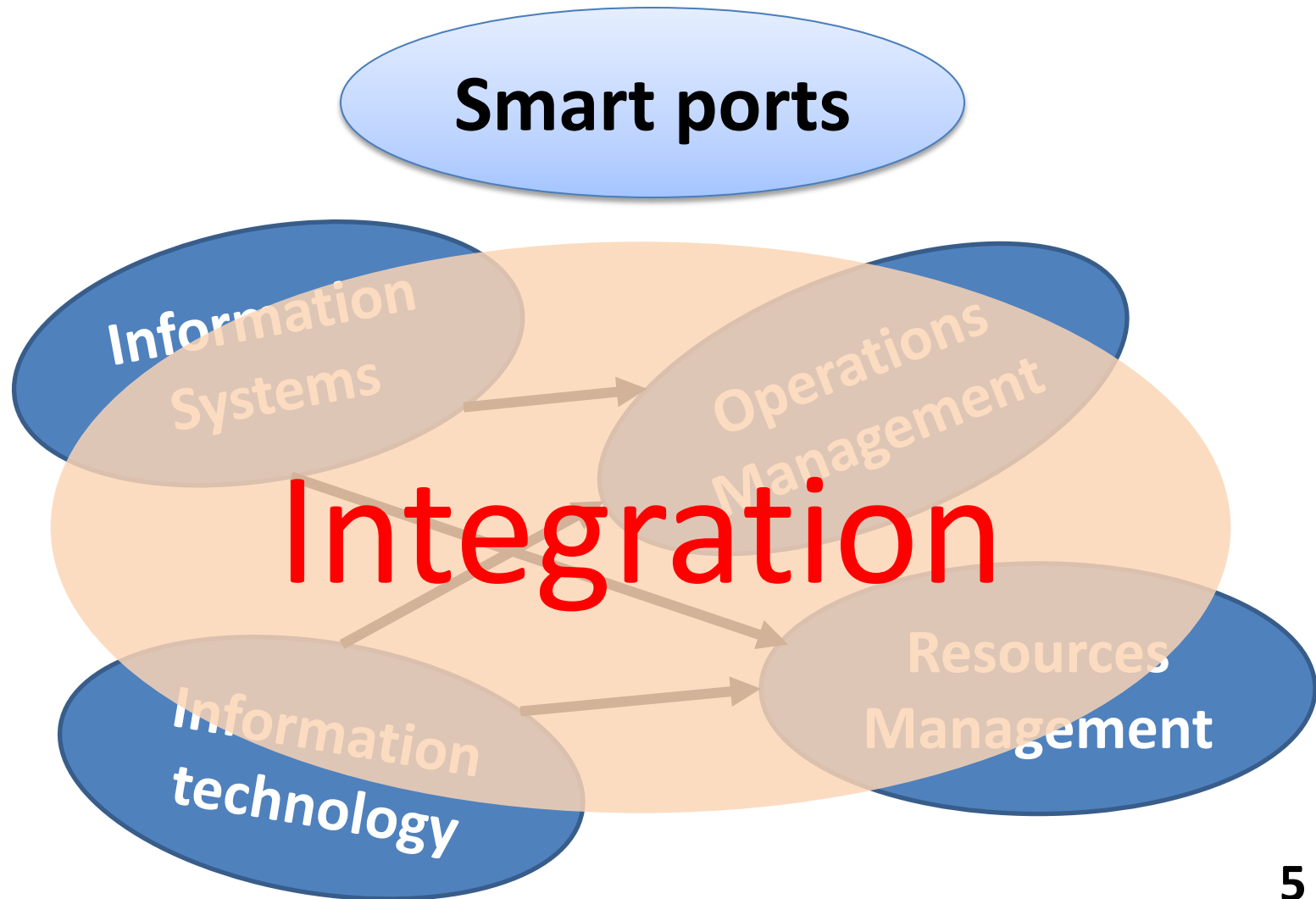


## Introduction Cont.



# Smart Ports

## Introduction Cont.



## Problem Description

Export Cargo Flow



Customers  
(shipper/  
dispatchers)

Trucking  
companies

**Dynamic Scheduling of Truck  
Appointments**

Container  
terminals

Import Cargo Flow



## Problem Description Cont.

- container terminals face **congestion problems** and **resources idling** problems due to the **unscheduled or poor scheduled arrivals** of the trucks.



## Problem Description Cont.

- trucking companies are vulnerable to **long service time** and more **waiting at gates and Yards**





## OnTime CT “ Prototype”

OnTime CT



Website

Mobile  
Application

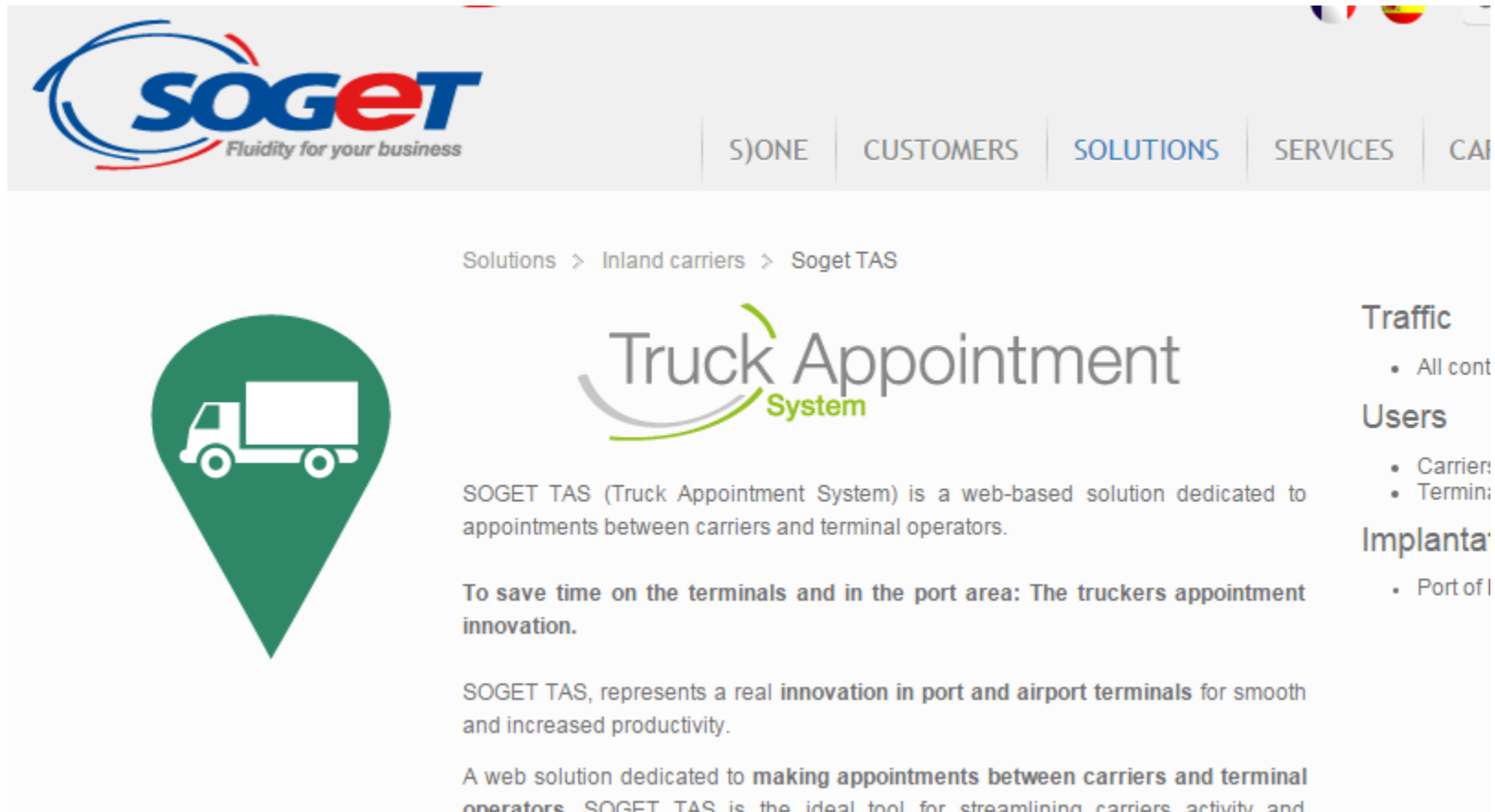
# THE INTERNATIONAL MARITIME TRANSPORT & LOGISTICS CONFERENCE (MARLOG 5)

## TOWARD SMART PORTS

13- 15 MARCH 2016

The image shows a screenshot of a web browser displaying the OnTime CT website. The website features a blue header with the OnTime CT logo and navigation links: Home, Trucking, Login, Sign up, and Contact. The main content area shows a large image of a red truck and a yellow container. Below the image, the text reads: "OnTime CT" in orange, "Less Congestion, More Utilization" in yellow, and "Miscommunication and information flow problems are considered the main reasons for cargo delays." in white. A HyperCam 3.5 (Evaluation) recording overlay is visible in the center, showing recording settings (Region, Fullscreen, Window), start coordinates (Start X: 0, Start Y: 0), dimensions (Width: 1364, Height: 768), and a "Record" button. The Windows taskbar at the bottom shows various application icons and the system clock indicating 4:22 PM on 3/14/2016.


## Related Work



**SOGET**  
Fluidity for your business

S)ONE | CUSTOMERS | SOLUTIONS | SERVICES | CAI

Solutions > Inland carriers > Soget TAS



### Truck Appointment System

SOGET TAS (Truck Appointment System) is a web-based solution dedicated to appointments between carriers and terminal operators.

**To save time on the terminals and in the port area: The truckers appointment innovation.**

SOGET TAS, represents a real innovation in port and airport terminals for smooth and increased productivity.

A web solution dedicated to **making appointments between carriers and terminal operators**. SOGET TAS is the ideal tool for streamlining carriers activity and

**Traffic**

- All cont

**Users**

- Carrier
- Termin

**Implanta**

- Port of I

## Related Work Cont.

### Oman Terminal OICT unveils new truck appointment system

25/01/2016 Filed Under: Middle East / Oman / Sohar / Container / News / Technology / Terminal



Oman International Container Terminal (OICT) has officially unveiled its eagerly anticipated truck appointment system (TAS) at its operations at Sohar Industrial Port Company.

## CONCLUSIONS AND FUTURE WORK

- **Expected Outcomes:**

1- Decreasing the delays of container deliveries

2- Reducing the congestion in Container terminals

3- improving the communication and information flow among the stakeholders.

4-Reducing the transaction costs and time due to documentation processes.

5- Increase Resources utilization

## CONCLUSIONS AND FUTURE WORK

- **Our future work** will focus on the **how to provide the robust Schedule for External trucks considering the terminal resources and trucking resources.**



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A blue rectangular sign with rounded corners and a white border is centered in the image. The sign is mounted on a grey post. The background is a bright blue sky with scattered white clouds. The text 'Thank You' is written in a bold, white, sans-serif font across the center of the sign.

**Thank You**