

Trends and outlook of International Port Cooperation Project

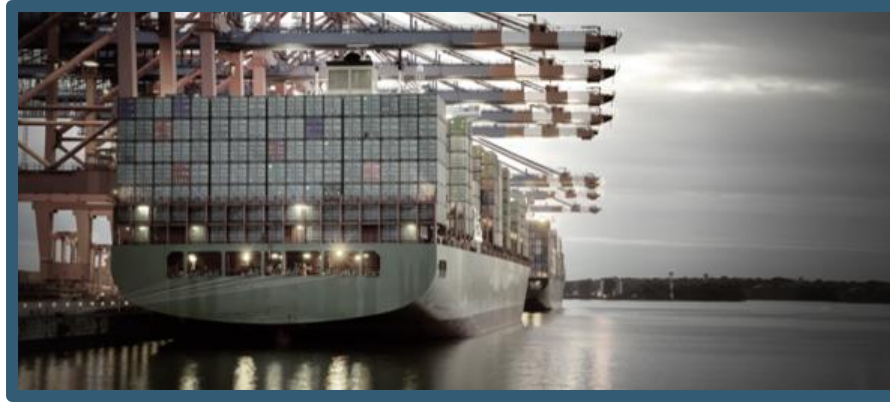


Korea Ports & Harbors Association
Cooperative Supporting Center for Overseas Port Development
Jae Sik, PARK



INDEX

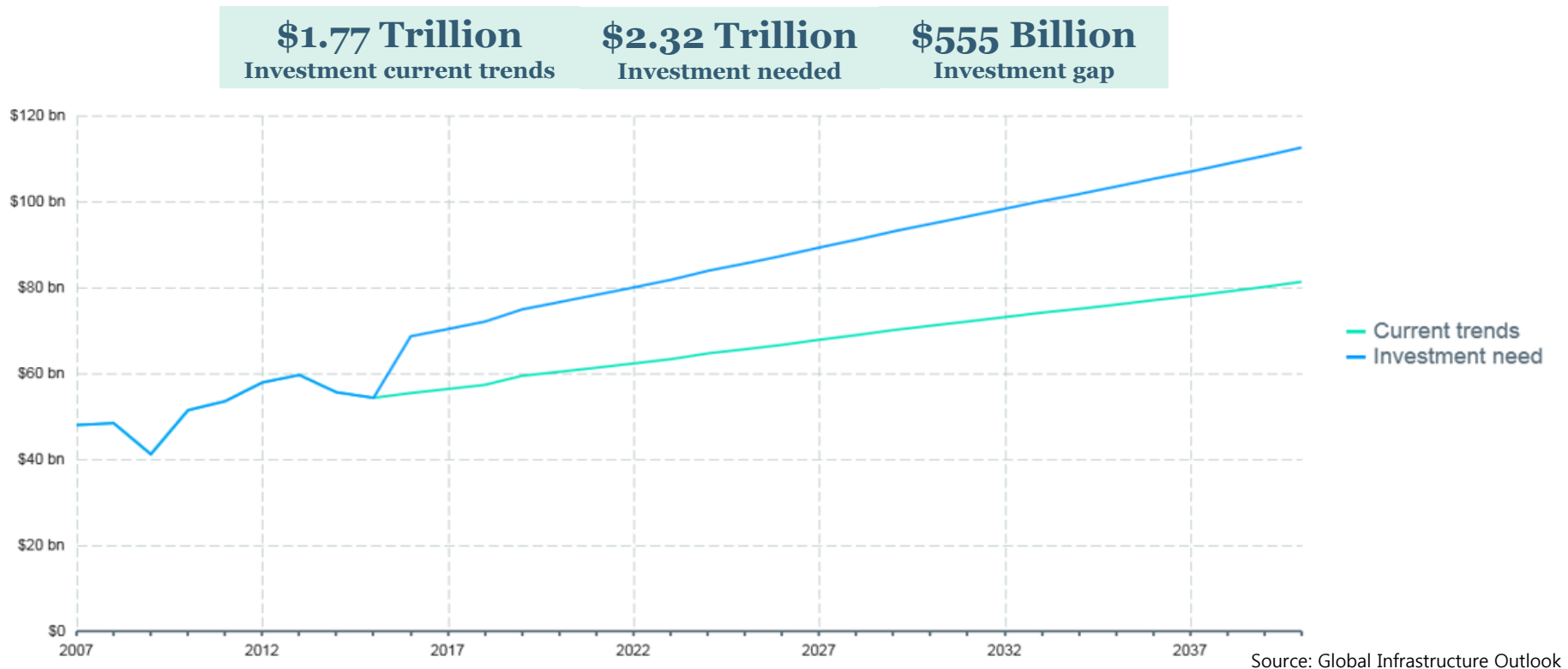
- 01. World Port Development Trends and Outlook**
- 02. Economic Ripple Effect of Port Development in Korea**
- 03. International Port Development Cooperation Project**
- 04. Examples for ODA Projects**



1. World Port Development Trends and Outlook

1. World Port Development Trends and Outlook

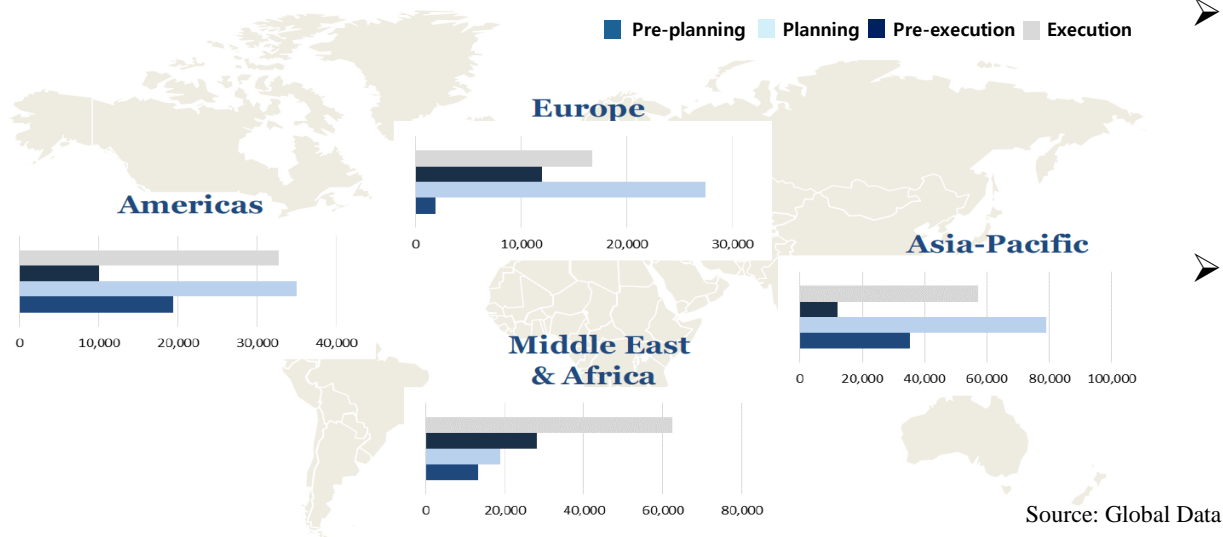
<Infrastructure investment and current trends and need>



- The International Monetary Fund (IMF) upwardly revised its forecast to 3.9% for global growth for 2018 and 2019 and the World Trade Organization (WTO) reported that global exports had improved by 11%
- This trend has improved trade through global ports and is driving investment in upgrading and building new port facilities.

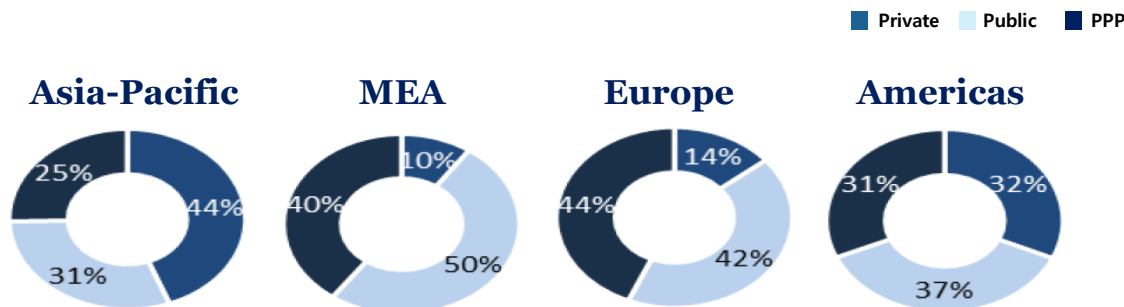
1. World Port Development Trends and Outlook

Global Port Project Pipeline Value is \$461.1 Billion

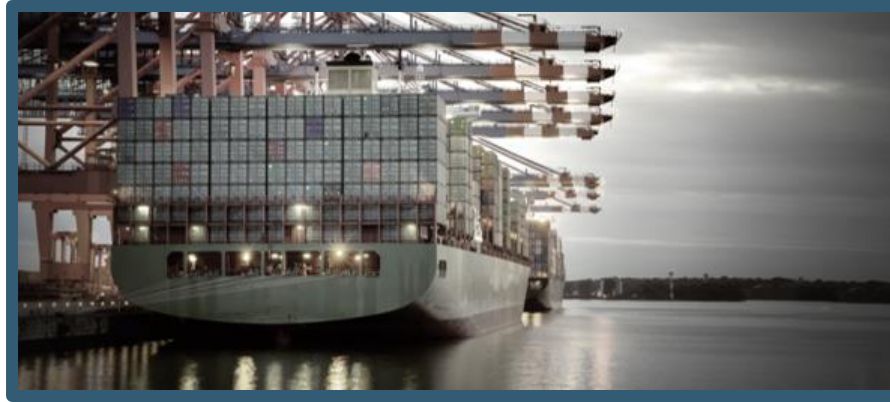


- Asia-Pacific leads investment in ports with US\$183.2 billion and accounts for six of the top ten countries by global port construction investment
- The Middle East and Africa has a port projects pipeline valued at US\$122.6 billion with Mozambique leading in the region with projects value at US\$12.1 billion

<Funding of the Port Construction Project Pipeline>



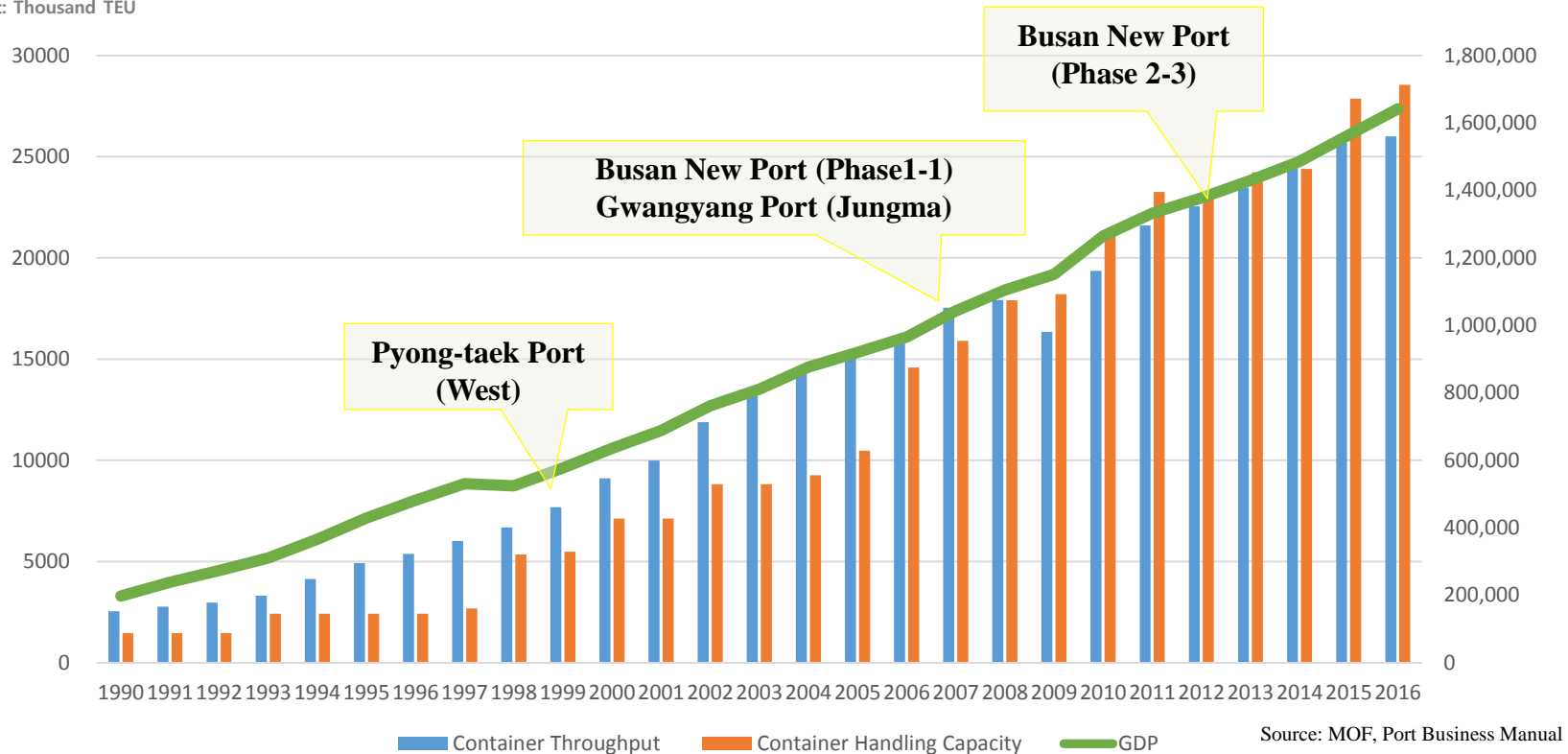
- Globally, 38% of the project pipeline is being funded solely by public investment, with 33% being financed by the joint public/private sector and private arrangements responsible for 29% of projects value.



2. Economic Ripple Effect of Port Development in Korea

2. Economic Ripple Effect of Port Development in Korea

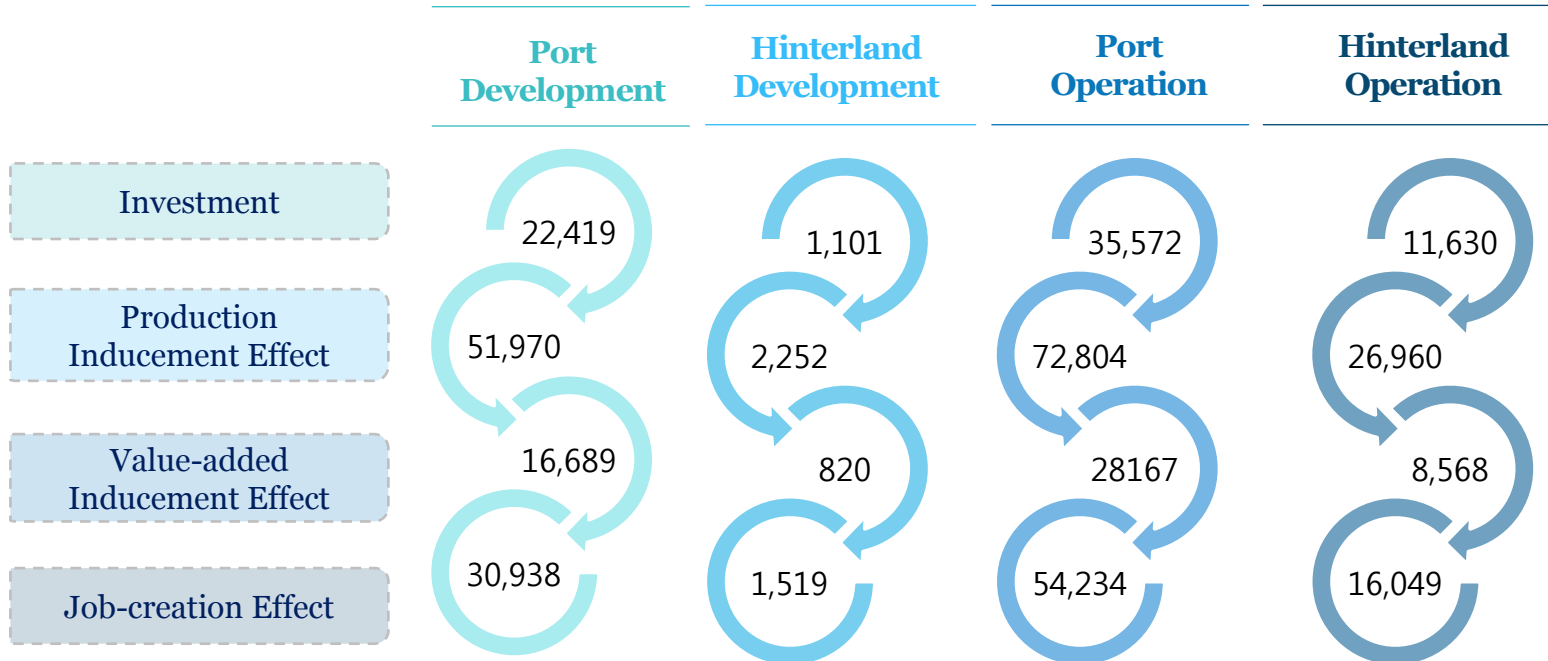
unit: Thousand TEU



- Continuous port development for the past decades has shown a close correlation with national GDP increase, by indicating the close growth rate respectively 5.5% and 5.6% at average
- Container throughput increased **9.3% annually** from 2.5 million TEUs in 1990 to 26 million TEUs in 2016
- Container handling capacity increased **12.1% annually** from 1.5 million TEUs in 1990 to 28.5 million TEUs in 2016

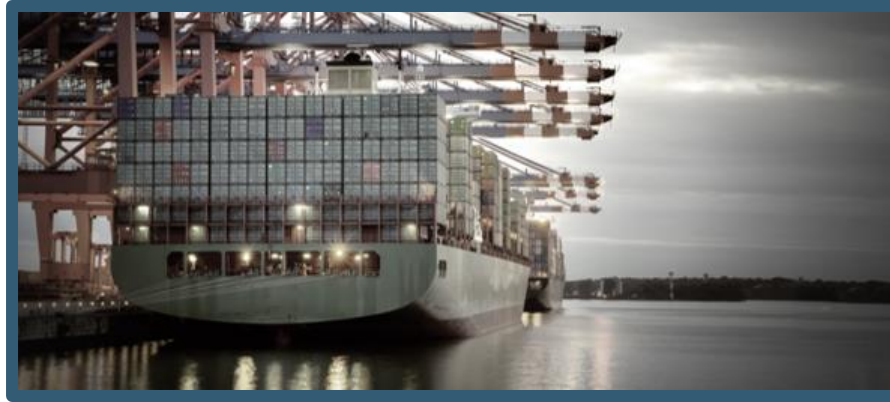
2. Economic Ripple Effect of Port Development in Korea

Unit: 100 million won, people



Source: Korea Maritime Institute

- The port development and operation brings higher ROI(Return on Investment)and the ports in Korea led the Korean economy, handling 99.7% of foreign cargos and 70% of trade value.
- 100m of berth produces 36 billion won of revenue, production inducement effect is 73 billion won, value-added inducement effect is 24 billion won and the job-creation effect is 55 people.
- 100 tons of cargo produces 250 million won of revenue, production inducement effect is 510 million won, value-added inducement effect is 200 million won and the job-creation effect is 4 people.



3. International Port Development Cooperation Project

3. International Port Development Cooperation Project

International Port Development Cooperation Program(IPDCP)

- Launched by MOF in 2008 and provides assistance for port development

Business Creation

- International cooperation to initiate the cooperation projects
- Two-track system

Data Collection

- Operating information system
- Public Relations

Support International Expansion

- Developing networks
- Support Port Expert Workshops

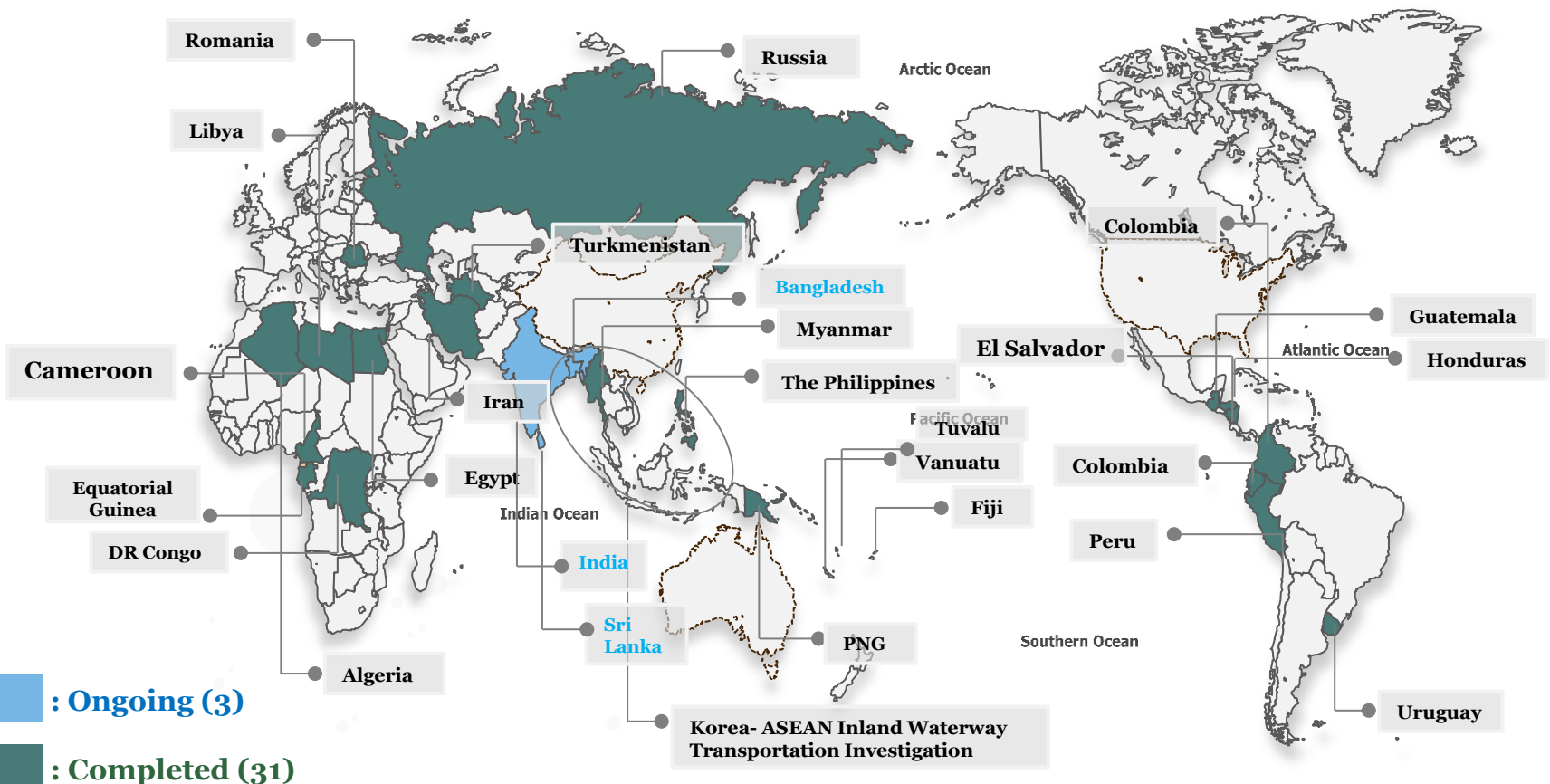


Founded in May 2015 under
Korea Ports and Harbors
Association with the
authorization of the MOF

3. International Port Development Cooperation Project

31 projects were completed and 3 projects are in progress

- Ongoing Projects: India, Sri Lanka, Bangladesh

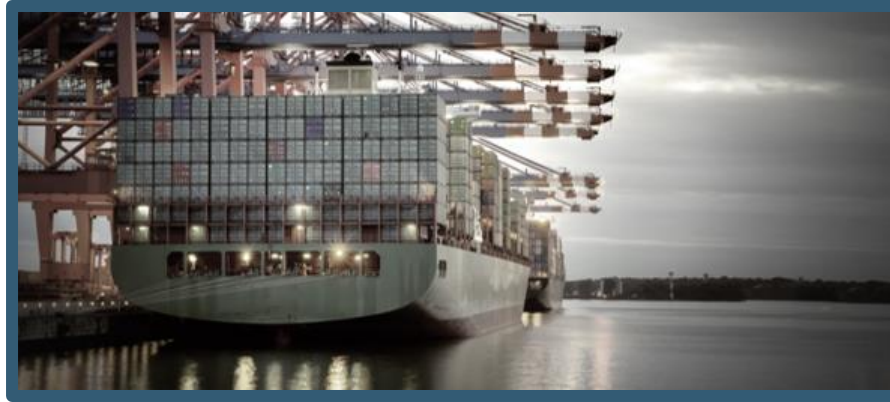


3. International Port Development Cooperation Project

International Port Development Cooperation Projects List

Year	Nations	Name of the project
2009	Turkmenistan	Feasibility Study and Basic Date Survey on the Modernization Project of Turkmenbashi International Seaport
	ASEAN	The Study on Identifying Required Improvement Areas in ASEAN Network
2010	DR Congo	Feasibility Study and Basic Date Survey of Banana port
	ASEAN	The Study on Identifying Required Improvement Areas in ASEAN Network
	Cameroon	Feasibility Study and Basic Date Survey of Limbe port
	Ghana	Feasibility Study and Basic Date Survey of Ghana ports
2011	Philippines	Feasibility Study and Basic Date Survey of Ports in Philippines
	Honduras	Feasibility Study and Basic Date Survey of Ports in Honduras
	Uruguay	Feasibility Study and Basic Date Survey of Ports in Uruguay
2012	Cambodia	Feasibility Study and Basic Date Survey of Ports in Cambodia
	Algeria	Feasibility Study and Basic Date Survey of Ports in Algeria
	Peru	Feasibility Study and Basic Date Survey of Ports in Peru
2013	Equatorial Guinea	Feasibility Study and Basic Date Survey of Ports in Equatorial Guinea
	Libya	Feasibility Study and Basic Date Survey of Ports in Libya
	Philippines	Feasibility Study and Basic Date Survey of Ports in Philippines
2014	Myanmar	Feasibility Study and Basic Date Survey of Ports in Myanmar
	Russia	Feasibility Study and Basic Date Survey of Ports in Russia (Far-east area)

Year	Nations	Name of the project
2014	Guatemala	Feasibility Study and Basic Date Survey of Ports in Guatemala
	Romania	Feasibility Study and Basic Date Survey of Ports in Romania
2015	ASEAN	Korea-ASEAN the Study on Inland Waterway Transportation of Mekong Basin
	Colombia	Feasibility Study and Basic Date Survey of Ports in Colombia
	Vanuatu	Feasibility Study and Basic Date Survey of Ports in Vanuatu
	Fiji	Feasibility Study and Basic Date Survey of Ports in Fiji
	Algeria	Feasibility Study and Basic Date Survey of Ports in Algeria
	Philippines	Feasibility Study and Basic Date Survey of Ports in Philippines
	Myanmar	Feasibility Study and Basic Date Survey of Ports in Myanmar
2016	Egypt	Feasibility Study of Alexandria Port Development and Review of Master Plan
	PNG	Feasibility Study of Madang Ship Repair Yard
	Iran	Feasibility Study and Basic Date Survey of Ports in Iran including Shaheed Rajaei Port
	El Salvador	Feasibility Study and Basic Plan of Ports in Acajutla
2017	Sri Lanka	Masterplan of Multi Purpose Harbor in Sri Lanka
	Tuvalu	Masterplan and Feasibility study of sea adaptation project in Tuvalu
	India	Masterplan and Feasibility study for establishment of strategy in Indian Ports Market
2018	Bangladesh	Feasibility Study and Basic Date Survey of Ports in Bangladesh



4. Examples for ODA Projects

4. Examples for ODA Projects

Organizations for ODA in Korea



- Contributions to international cooperation by supporting the economic and social development of partner countries
- Supporting sectors: Educations, health, governance, agricultural and rural development, technology, energy, industry and etc.

Granted Aids



- Roles of KEXIM
 - ECA to facilitate export transactions
 - Executor of EDCF
 - Executor of Inter-Korean Cooperation Fund
- Economic Development Cooperation Fund(EDCF)
 - Types of services: Loan, Investment, Guarantees

Soft Loan Assistance

4. Examples for ODA Projects

Case. 1 EDCF(credit assistance)



Cambodia

Tbong Khmum



MOF conducted the F/S in 2015

↓
Cambodian Gov't requested EDCF loan to Korea Gov't in 2016

↓
F/S for EDCF is in progress and will be completed by Oct.



Philippines

Cebu



Korea Exim bank conducted the F/S in 2014

↓
Philippines Gov't requested EDCF loan to Korea Gov't in 2017

↓
Philippines Gov't and Korean Exim bank concluded the loan agreement in June, 2018



Sri-Lanka

Udappuhwa, Delft, Madagal, Kalai



MOF conducted the F/S in 2017

↓
Result: develop Udappuhwa multi-purpose fishery port

↓
Sri-Lnak is taking a internal process to request EDCF loans

4. Examples for ODA Projects

Case. 2 KOICA(grant aids) + EDCF(credit assistance)

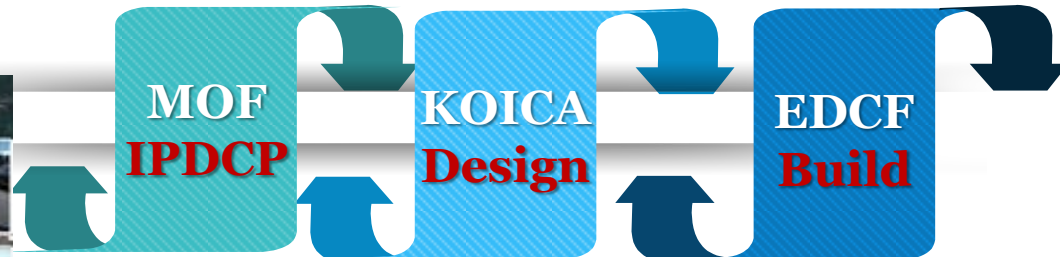
El Salvador, Acajutla

<Feasibility Study and Basic Plan of Ports in Acajutla>



Result: Develop 1 container terminal and 1 bulk terminal (Project cost: \$270 million)

① Berth A ② Berth B ③ Berth C ④ Shed for freight ⑤ Container yard ⑥ Yard for automobile ⑦ Warehouse for bulk cargo



Grant Assistance

▼
Feasibility Study for Acajutla Port ('16.12~'18.4)

▼
1 container terminal, 1 bulk terminal are necessary(\$270 mil.)

Grant Assistance

▼
Designing for Acajutla Port

※ Currently the project concept paper(PCP) is submitted to KOICA

Credit Assistance

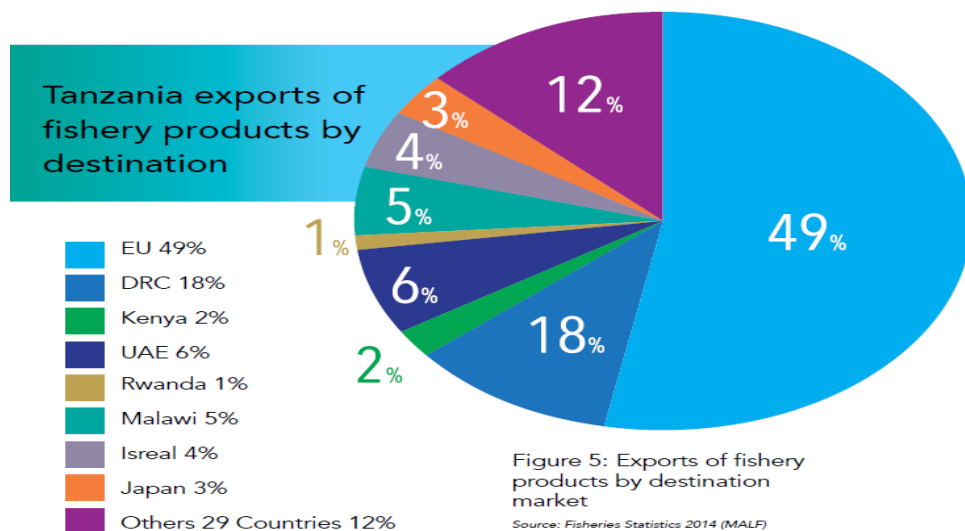
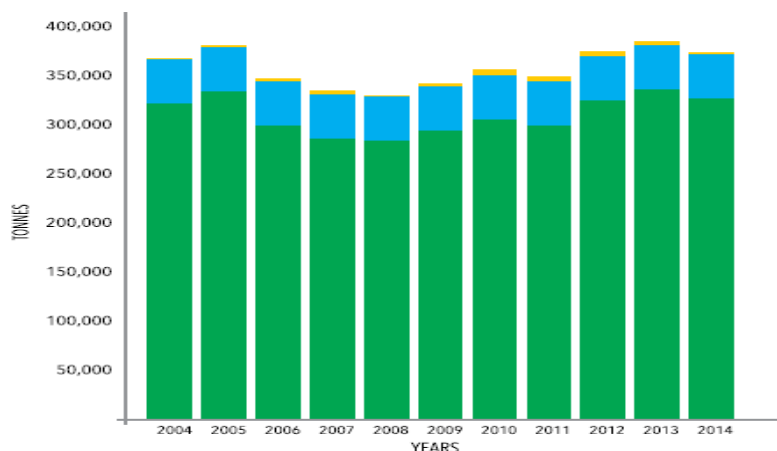
- ▼
- ① Short Feasibility Study for targeted area
 - ② Loan Agreement
 - ③ Construction and Funding

4. Examples for ODA Projects

Case. 2 KOICA(grant aids) + EDCF(credit assistance)



Tanzania, The Importance of Fisheries Sector



- Tanzania is endowed with rich marine and inland waters that yield a wide range of living aquatic resources, providing livelihoods, food security, export revenues, and potential for further economic development.
- Over the last decade, Tanzania's fisheries production has been in the range of 325,000 to 380,000 tons per annum.

- Total exports of fishery products have plateaued since 2005, varying from year to year in the region of US\$140-188 million. Exports of fishery products accounted for 10% of the value of all national exports, and between 2009 and 2013 the fisheries contribution to GDP rose from 1.3 to 2.2%.
- The exports were sent to 47 countries. The European Union as a trading block accounts for 45% of the volume and 52% of the total value of all exports.

4. Examples for ODA Projects

Case. 2 KOICA(grant aids) + EDCF(credit assistance)



Tanzania, Fishery Port and Hinterland Development Project

<Major ports in Tanzania>



Grant Assistance

Feasibility Study for developing Fishery Port and Hinterland in Tanzania

Currently discussing targeted areas for developing fishery ports

Grant Assistance

① Designing fishery ports and hinterland

② Knowledge Sharing Program

→ provide training on fishery technology

Credit Assistance

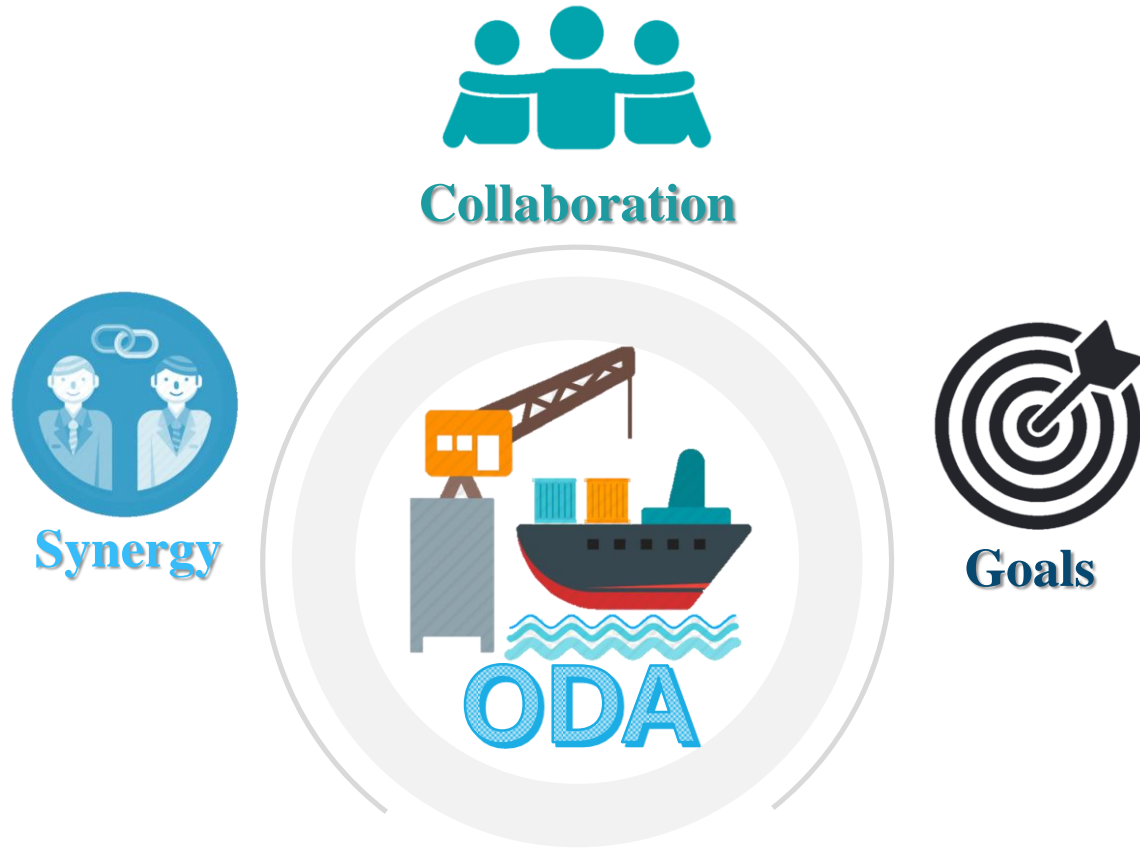
① Short Feasibility Study for targeted area

② Loan Agreement

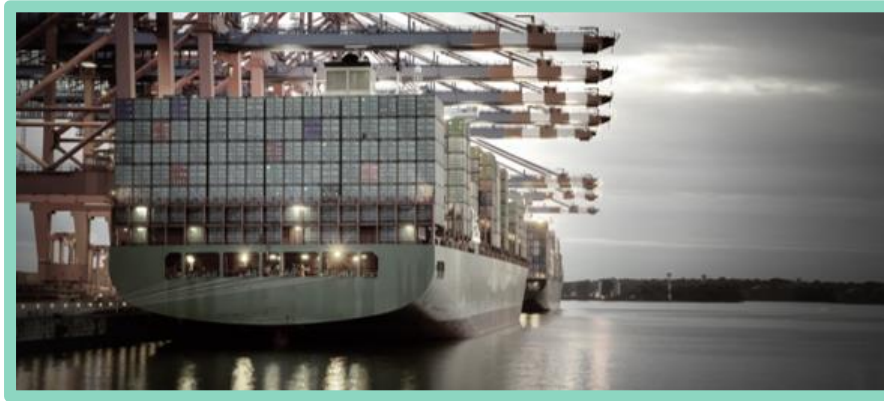
③ Selecting ECP

④ Construction and Funding

4. Examples for ODA Projects



- Combination of different types of ODA which are grant aids and soft loan assistance will bring collaboration with synergy effect. Finally, we can achieve the goals to produce mutually beneficial results.



THANK YOU
FOR LISTENING