# Brief Summary of TPLMS in ROKorea

3rd Mar. 2021

Won Keun CHANG Korea Maritime Institute

# **Designation of riverine and coastal TPLMS**

# **Riverine TPLMS by MOE**

Acts on Water Management and Resident's Support for the Nakdong,
Han, Geum and Yeongsang River Basins

# Coastal TPLMS by MOF (for 5 SMAs)

Water Quality Target: Masan Bay, Shiwha Lake, Busan SMA TPLMS

Target SMA	Targets (mg/L)	
	COD	T-P
Masan Bay	2.5(1st) 2.2(2nd)	0.041
Shiwha Lake	3.3	0.065
Busan SMA	1.35	-



# Implementation Flow Chart of TPLMS in ROKorea

#### Guidelines and Policies on TPLMS

MOE for 4 Rives MOMAF for 5 SMAs

### WQ Target for TPLMS

MOE for 4 Rivers MOMAF for 5 SMAs

#### TPLMS Master Plan

- Pollution Load Allocation for Municipalities

Development : Provincial gov. Approval : MOE and MOMAF

#### **TPLMS** Implementation Plan

-Pollution Loads Controls Programs for point & non point sources -Pollution Load Allocation to Indi. Sources Development : Local gov. Approval : Provincial gov.

#### **Public Sectors**

- Construction and/or upgrading POTWs
- strengthening Effluent permits
- New Pollution Load Reduction prgms.

#### **Private Sectors**

- Upgrading Treatment Facilities
- New Pollution Load Reduction pogms.

### Preparing Annual Report

Development : Local gov. 1st Review : Provincial gov.

### Review of Annual Report

Final Review: MOE and MOMAF

### Adjusting Implementation Plan

### Compliance Order

- Facility improvement, Limiting developments, etc.

MOE and MOMAF, and relevant agencies

# **Achievements after TPLMS**

Change in the Water Quality of Shiwha Lake and Masan Bay



## **Before**







# After







