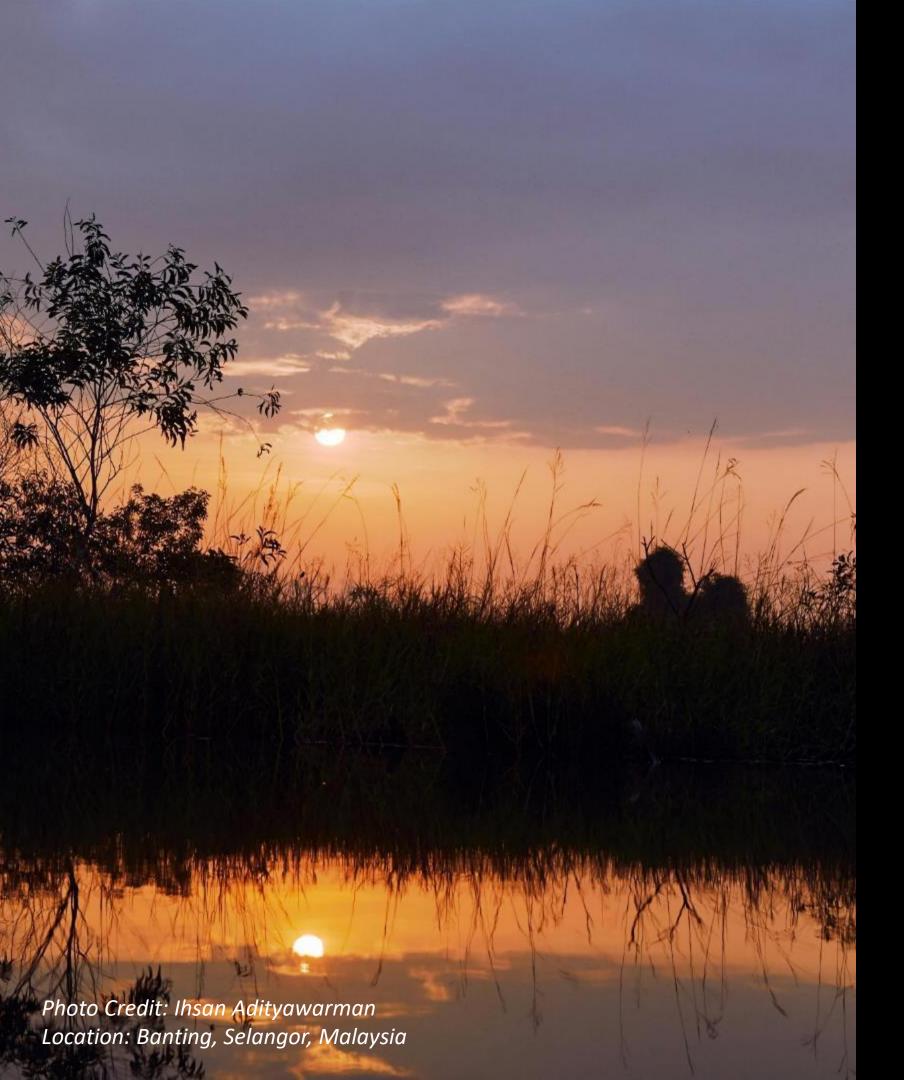


### THE ECONOMICS OF WATER: TRANSFORMING MINDSETS TRANSFORMING APPROACHES

MALAYSIA'S VISION FOR SUSTAINABLE WATER MANAGEMENT





#### MALAYSIA'S WATER MANAGEMENT JOURNEY

- The water crisis in 1998, which affected millions of residents in the Klang Valley where our capital is located, highlighted the need for structural reform
- This transition marked a fundamental shift from fragmented state-level governance to a more coordinated federal-state partnership model establishment of National Water Services Commission (SPAN) & Water Asset Management Company (PAAB)

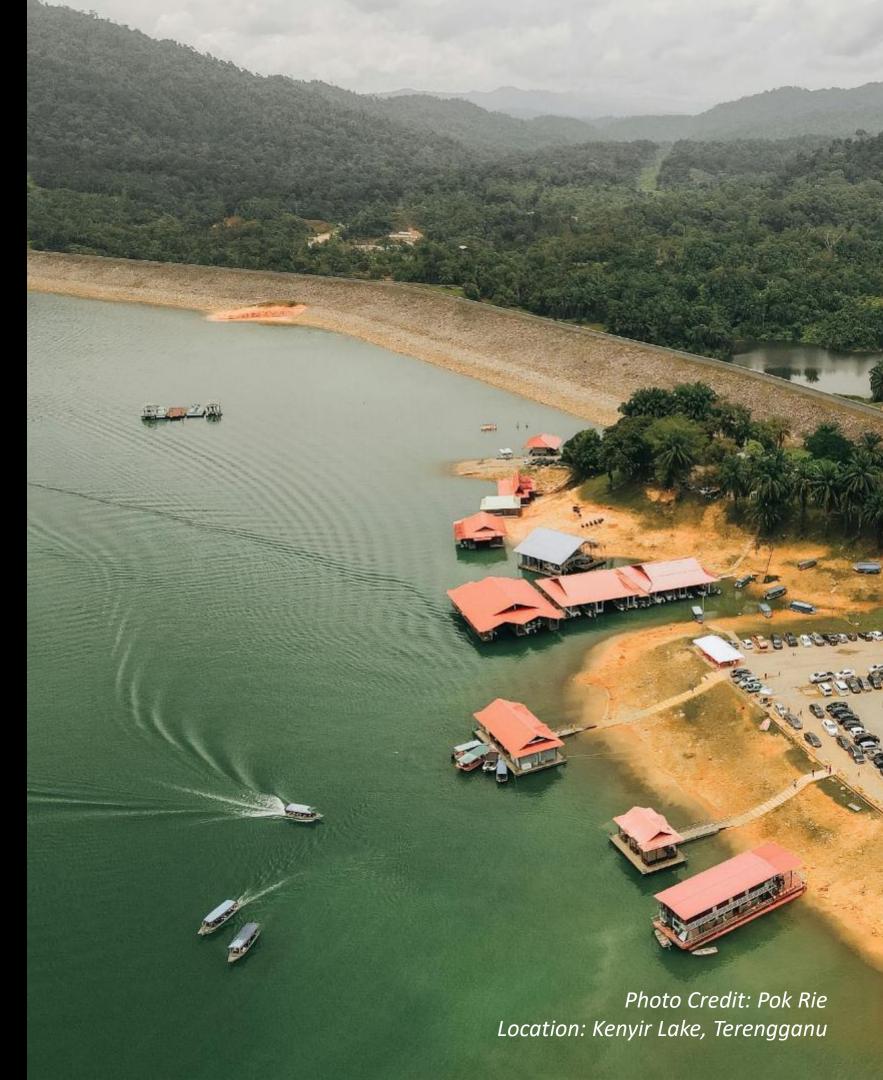
# Photo Credit: Indah Water Kon Location: Kuala Lumpur, Malay

#### REFORMS

- Non-Revenue Water: 40% → 33.9%
- Shift toward Regional Centralised Sewage
   Treatment Facilities efficient green
   technologies
- Stronger pollution laws (2023 Amendments) maximum fines from RM100k to RM10mil
- Reforms resulted in improved access to clean water and sanitation.

#### TODAY'S CHALLENGES

- Water demand 个 76% from 14,458MLD in 2010 to 25,455MLD in 2050
- Rapid urbanisation and climate risks
- New industries with intensive water demands data centers & semiconductors



#### MALAYSIA'S STRATEGY

• Established Water Sector Transformation 2040 (AIR2040) in ensuring water security for all Malaysians and developing water as a dynamic economic sector



#### 3 KEY TRANSFORMATIONAL SHIFTS

From 'Plentiful' → 'Precious Resource'

 River Basin Plans smart water systems, NRW matching grants From 'Closely Controlled'

→ 'Shared Opportunity'

- Private Sector
   Participation Organic
   Fertiliser
- Solar Initiatives
- Water Reclamation
   Plants industrial use

From 'Reactive' → 'Prepared'

- Flood Forecasting and Warning System
- R&D and application of emerging technologies
   AI, IoT
- Water Services
   Academy



### MALAYSIA'S REGIONAL & GLOBAL ROLE

- ASEAN river basin collaboration
- Water Knowledge Hub

# Photo Credit: Sam Lim Location: George Town, Pulau Pinang, Malaysia

#### INVITATION TO COLLABORATE

- Open to partnerships and innovation
- Testing ground for new solutions

