

#### WATER MANAGEMENT UNDER CLIMATE CHANGE AND SDG

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SETTING THE CONTEXT: Water Management under Climate Change and SDG
<ul><li>□ Why water is an important topic?</li><li>□ Water crisis</li><li>□ Disaster related to water</li></ul>
<ul> <li>□ Water crisis?</li> <li>□ Daily use: how much we consume?</li> <li>□ Beyond our daily use: water for agriculture (food) and hydro (energy)</li> </ul>
<ul> <li>□ Water in SDG and climate action:</li> <li>□ SDG 6: Ensure availability and sustainable management of water and sanitation for all</li> <li>□ Climate action: water is one of the most important sector under the adaptation measure</li> </ul>
<ul> <li>Malaysia's Approach:</li> <li>strengthening national framework;</li> <li>formulation on national policies; and</li> <li>implementation of specific programmes to steer Malaysia towards sustainability.</li> </ul>

### Malaysia's Approach

# Institutional Setup

- National Water Resource Council
- Ministry of Water, Land and Natural Resources (KATS)
- Institutional Framework for SDG

### Policy Framework

- National Water Resource Policy, 2012
- Midterm Review of the Eleventh Malaysia Plan (MTR 11<sup>th</sup> MP), 2018-2020
- SDG Roadmap –
   Mapping the SDG with the MTR of the 11<sup>th</sup>

### Management Instruments

- National Water Balance Management System (NAWABS)
- Flood Forecasting and Warning System (Program Ramalan Banjir Negara -PRABN)



## INSTITUTIONAL SETUP: Institutional Framework for SDG in Malaysia



NATIONAL SDG COUNCIL Chaired by YAB PM Establish direction for SDG implementation, set national agenda and milestones and prepare reporting to UN High Level Political Forum

STEERING COMMITTEE Chaired by the Director General of EPU Formulate SDG Roadmap, monitor progress of targets, identify issues and report to National SDG Council

### Working Committee INCLUSIVITY

- Goal 1 : No Poverty
- Goal 2 : Zero Hunger
- Goal 5 : Gender Equality
- Goal 10 : Reduced Inequality

#### Working Committee WELL-BEING

- Goal 3 : Good Health & Well-
- beingGoal 11:Sustainable Cities and Communities
- Goal 16: Peace, Justice and Strong Institutions

#### Working Committee HUMAN CAPITAL

- Goal 4 : Quality Education
- Goal 8 : Decent Work and Economic Growth

#### Working Committee ENVIRONMENT & NATURAL RESOURCES

- •Goal 6 : Clean Water and Sanitation
- •Goal 7 : Affordable and Clean Energy •Goal 12 : Responsible
- Consumption and Production
  •Goal 13: Climate Action
- •Goal 14 : Life Below Water •Goal 15 : Life on Land

### Working Committee ECONOMIC GROWTH

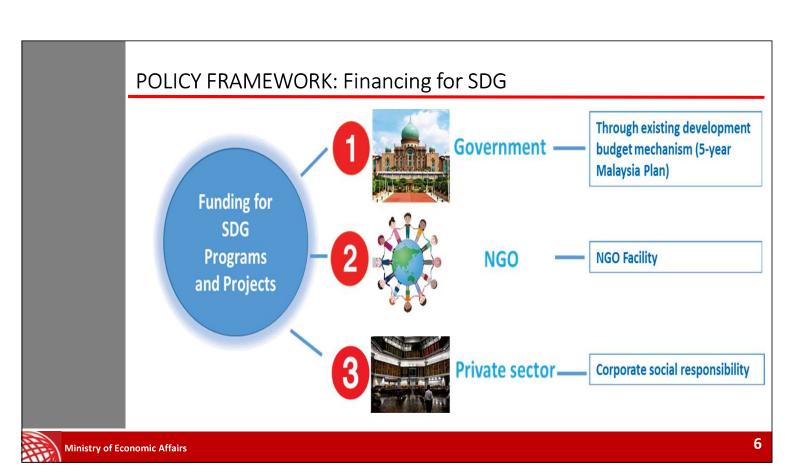
- Goal 8 : Decent Work and Economic Growth
- Goal 9: Industry, Innovation and Infrastructure
- Goal 17 : Partnerships for the

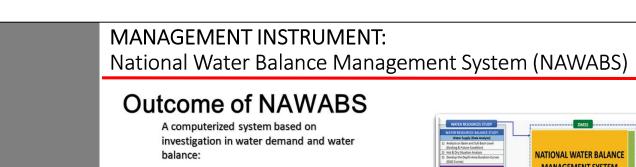
Each Working Committee will be represented by members from the private sector, NGOs, CSOs and academia



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#### **POLICY FRAMEWORK:** Mapping the SDG with the Midterm Review of the 11<sup>th</sup> Malaysia Plan National SDG Council INSTITUTIONAL SDG Steering Committee FRAMEWORK FOR SD SDG Cluster Working Committee Pillar II Pillar I Pillar III Pillar IV Pillar V 11th Malaysia Plan Reforming governa inhancing inclusive Strengthening Empowering human POLICY FRAMEWORK towards greater MTR of 11th Malaysia Plan capital economic growth sustainability through transparency and National SDG Roadmap enhancing efficiency of public service 4 Priority Areas 3 Priority Areas 2 Priority Areas 4 Priority Areas · Forum, seminar 13 Strategies 9 Strategies 11 Strategies 9 Strategies 12 Strategies CAPACITY BUILDING · Sharing session Training module • SDG Data monitoring dashboard EVALUATION SDG Portal FINANCING 5 **Ministry of Economic Affairs**





allocation/storages

> National priority to ensure

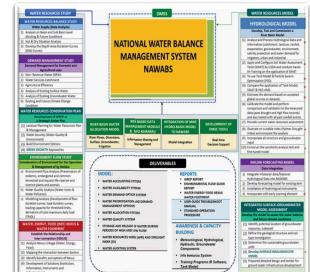
> and public preparedness

adequate and safe water for



rm planning and distribution) on 9 main outputs which are:

- Water Accounting System Water Demand Option Syste
- Water Availability System Water Prioritisation System Water Allocation System
- Water Quality System Water Storing and releasing during low and high flows
- Water Resources Index and Drought Index
- Water Auditing System





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MANAGEMENT INSTRUMENT: Flood Forecasting and Warning System (PRAB)





