



Presentation from  
**2015 World Water  
Week in Stockholm**

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# Asia Water Council

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*Director of Asia Water Council*

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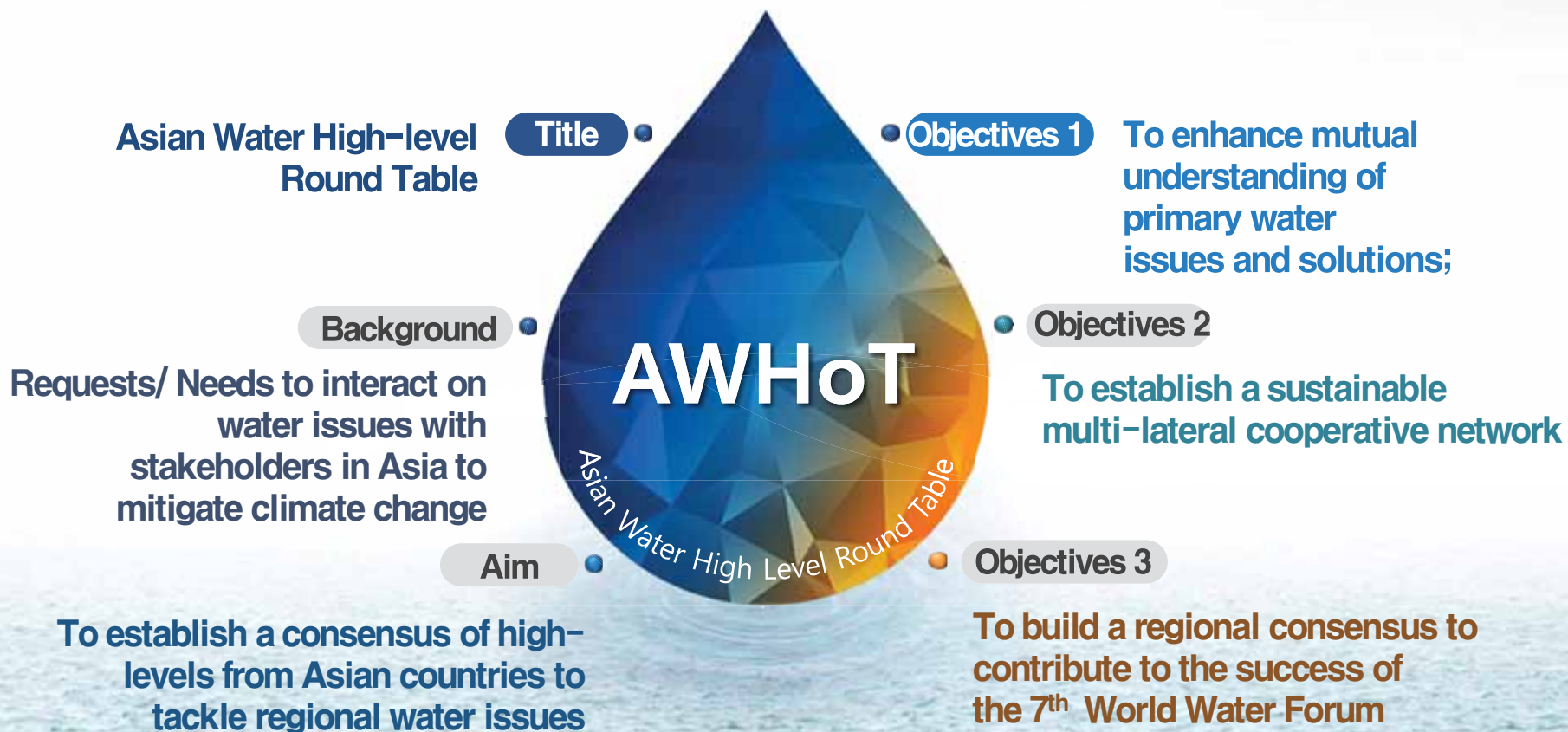


# I

## **Asian Water High-level Round Table (AWHoT)**

- 1. Outline**
- 2. Members**
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# 1. Outline







# 2. Members of AWHoT

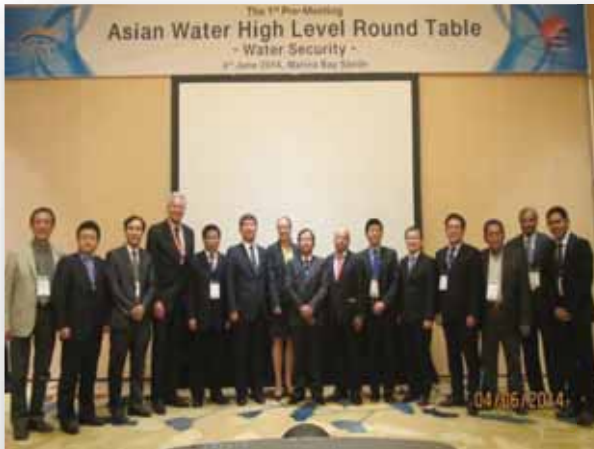
30 Organizations



# 3. Activities of AWHoT

## Progress of AWHoT

|                    |           |   |           |   |   |
|--------------------|-----------|---|-----------|---|---|
| <b>1st Meeting</b> | Jun. 2014 |  | Singapore | » | • Kick-off meeting of AWHoT                                       |
| <b>2nd Meeting</b> | Oct. 2014 |  | Korea     | » | • AWHoT Report: Insights into Asian Water                         |
| <b>3rd Meeting</b> | Feb. 2015 |  | Nepal     | » | • 5 Working Group discussions<br>• Introducing Asia Water Council |
| <b>4th Meeting</b> | Apr. 2015 |  | Korea     | » | • Announcement for establishment of Asia Water Council            |



# 4. Outcomes of AWHoT

## 1 Group Discussion

Infrastructure  
& Financing

Taiwan, JWA,  
World Bank, ADB, KOICA,  
KEXIM, USACE

Water  
Supply &  
Sanitation

PUB, TMSI, Thailand,  
CWRC(China), Hong  
Kong, PJT, Deltares

Aral Sea

Uzbekistan, UNESCO,  
Samruk Energy, PNSIC

Water &  
Energy Nexus

Nepal, Laos, APWF,  
IWRH(China), Indonesia,  
K-water

Mekong  
River

MRC, Vietnam,  
Cambodia, GWP



# 4. Outcomes of AWHoT

## 2 AWHoT Report – “Insight into Asian Water”

# Insight into Asian Water



## Insight into Asian Water



### Opening New Era of Water Management in Asia

It has been shame for me as an expert in water to stand by and observe many Asia nations suffering from lack of decent water management. A number of international organizations supported by developed nations have attempted to setting up customized water management. However, many Asian nations are still in danger threatened by water hazards.

**Dr. Ir. M. Basuki Hadimoeljono, MSc.**  
Minister for Public Works and Public Housing of Indonesia



I welcome the launch of publication, 'Insight into Asian Water'. I hope it will be the pioneer of information dealing with challenges and strategies as well as business and technology in the field of water resource management in Asia. We all know water is an essential life-sustaining resource whose existence and availability for human use are often taken for granted. It is often utilized by people who are unaware of where the water originated and what happens to the water following use. We all also know we live at a moment of information overload, when there

**Wei-Fuu Yang, Vice Minister,**  
Ministry of Economic Affairs, Republic of China(Taiwan)



**韩永先生 副部长**  
Harmony with water, Harmony for all  
Water is not only an essential element for sustaining life but also the lifeblood of national development. Amid climate change, water security issues, such as shortages, flooding, pollution, sanitation and so on, have become transnational issues that can only be solved through cooperation among nations.  
Korea Water Resources Corporation (K-water) has invited all the countries of Asia

**Mr. Peter Joo Hee Ng**  
Deputy Secretary, Ministry of Environment and Water Resources,  
Singapore



"At Singapore's independence 50 years ago, floods, droughts, polluted waterways and water rationing were commonplace. Today, two-thirds of Singapore is water catchment, and used water is collected, treated and returned as potable water. Today, Singapore is a world leader in water husbandry and Singaporean water companies bring class leading capabilities to the global marketplace. By

**Dr. Khammany INTIRATH,**  
Vice Minister of Ministry of Energy and Mines, Lao PDR

This paper aims to describe the historical and current status of the water resources, water development and management in Laos PDR. Naturally, Lao PDR is a country with abundant water resources by virtue of topography and rainfall. Since it is bounded by countries and out of the tidal reach of the South China Sea, these are all fresh water resources. Indeed, a commonly quoted fact is that the country has one of the highest per capita freshwater figures in the world

**Dr. Shavkat Khamraev, Deputy Minister, Ministry of Agriculture and Water Resources of Uzbekistan**



I thank my colleagues - the Heads of Water Authorities from the Asian region and the cooperation K-Water, outstanding experts - all those who contributed to the review 'Insight into Asian Water'. This review provides a deep and comprehensive understanding of the region's water problems and their solutions. I believe that this joint initiative should inspire all of us to work more effectively to ensure water security, not only in our countries, but also at the global level.

**Herman Idrus, President Director,**  
Jasa Tirta II Public Corporation



Nothing on earth can live without water. Mankind has witnessed how utilization of water resources in all aspects of life is able to create a civilization. Managing water resources is a noble task that we have to achieve with full dedication. It is inspired by the initiators of the construction Ir. H. Djuanda Dam, which engraved in the phrase "Air Mengajun Mewahju Bumi" which means flowing water gives life. This philosophy has always been an inspiration to constantly manage water resources in a sustainable manner for the benefit of society

## 4. Outcomes of AWHoT

### 2 AWHoT Report – “Insight into Asian Water”

#### • Main Contents

### Water in 12 Asian Countries

- 1 History of Water Resources in the Past
- 2 Present Status of Water Development & Management
- 3 Water Policies, Organization and Budget
- 4 Future Plan for Water Development & Management

# II

## Asia Water Council(AWC)

1. Vision & Mission
2. Strategy
3. Structure
4. AWC Road Map
5. Special Committee
6. Role of AWC for the World Water Forum



# 1. Vision & Mission

## Vision

**AWC focus on  
three main domains of water cycle**

- 1 Water Usage for All Aspects : from Source to tap water equipped by SWMI**
- 2 Natural Environment Protection: by Integrated Water Resource Management**
- 3 Natural Hazard Mitigation: Water security against flood, drought, etc.**

## Mission

**Towards accompanied growth  
with related stakeholders**

- 1 Building strong water cooperation in and outside of AWC**
- 2 Being a Leading organization for better Water in Asia**
- 3 Seeking common prosperity of water related stakeholders across Asia**

## 2. Strategy

*Aligning with*  
**SDGs**

**AWC is to achieve water related goals stating in Sustainable Development Goals**

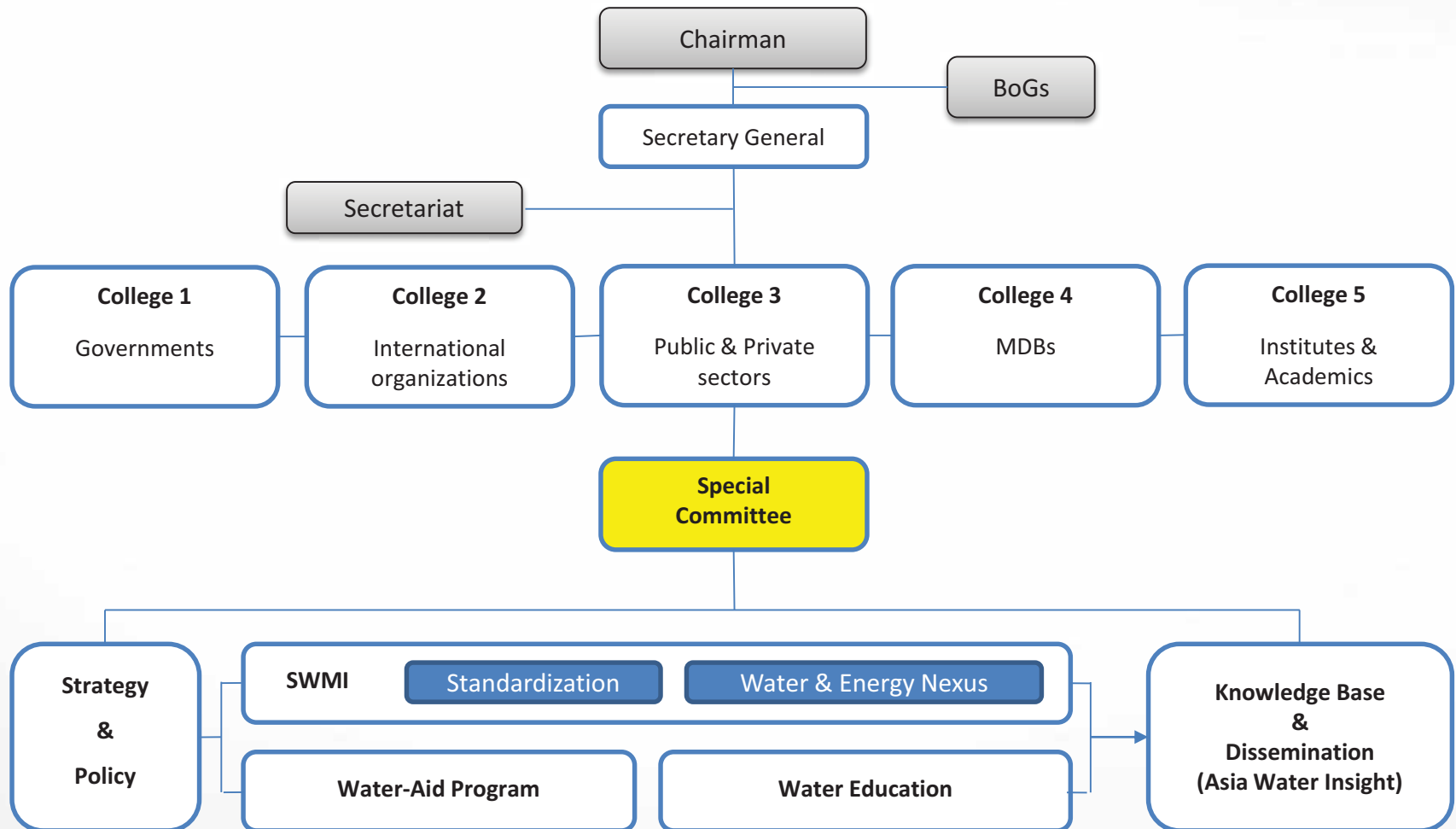
*Building strong*  
**Networks**

**AWC is to provide a platform in which all stakeholders related to Asian water challenges cooperate to establish strong network to find efficient path for resolving water challenges**

*Utilizing*  
**SWMI**

**AWC is to adopt SWMI(Smart Water Management Initiative) to provide appropriate water solutions to Asia**

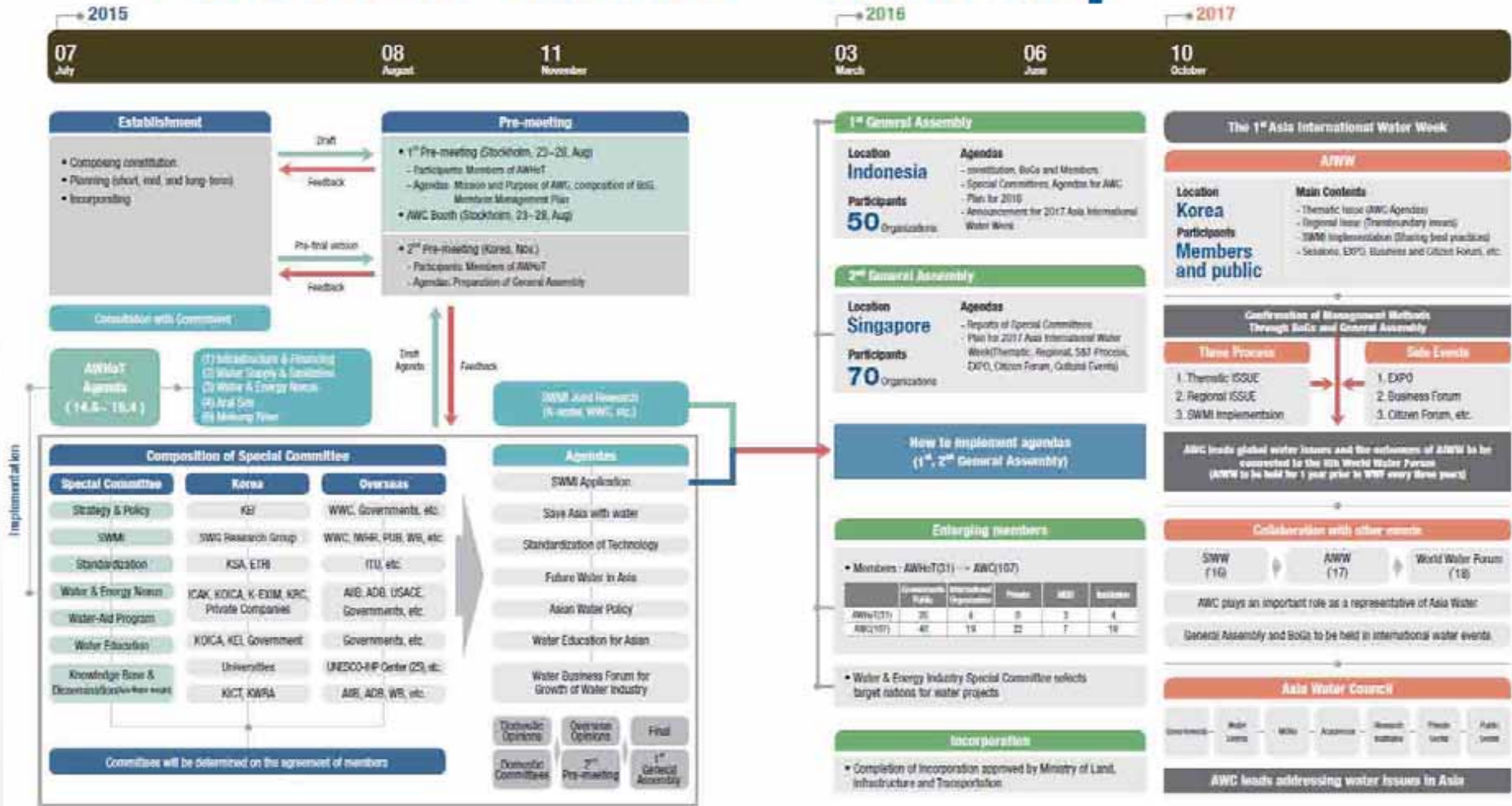
# 3. Structure



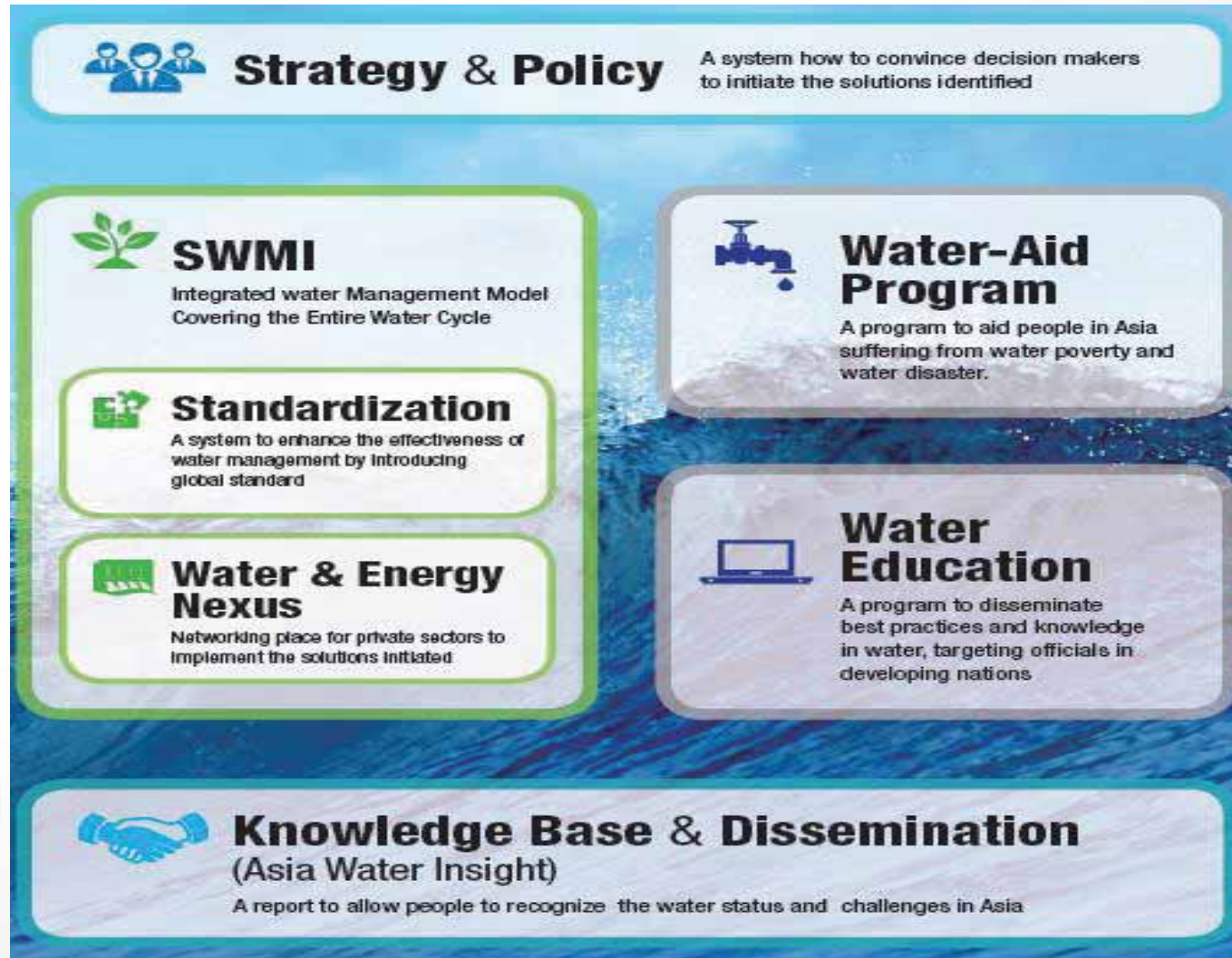
# 4. AWC Road Map

What is AWC?

## Asia Water Council Road Map



# 5. 7 Special Committees





# 5. Special Committee 1 (SP)

## Strategy & Policy

Special Committee



### Background

- Water Policy addresses **provision, uses, disposal** and **sustainability** decisions.

Provision

Identification, access preparation for use and distribution

Uses

Direct human consumption, agri., industry, ecosystem protection

Disposal

Wastewater treatment, storm water/flood management

Sustainability

such as aquifer depletion, reservoir management, etc.

- Water policy issues are receiving increased **attention** as water shortages are believed to be at crisis levels

### Aim

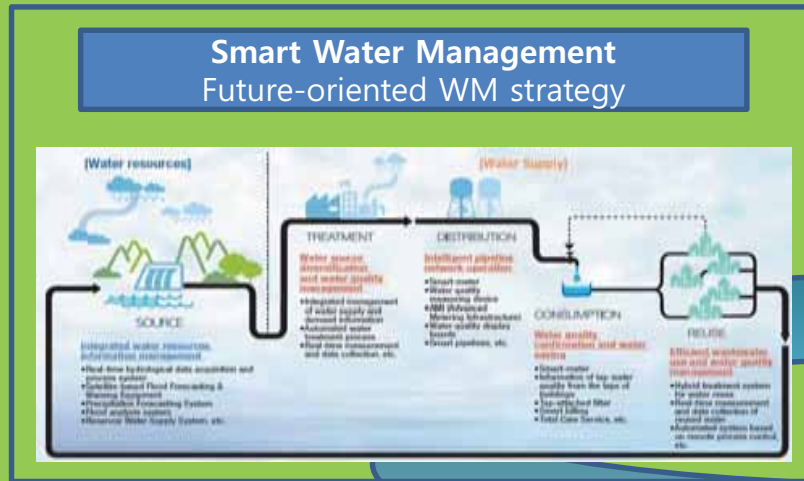
- To support policy decision makers to make a right decision for enhancing Sustainable Water Management.

# 5. Special Committee 2 (SWMI)

II. Asian Water Council



Background



**Advanced ICT and Big Data**



Smart Water Management Initiative

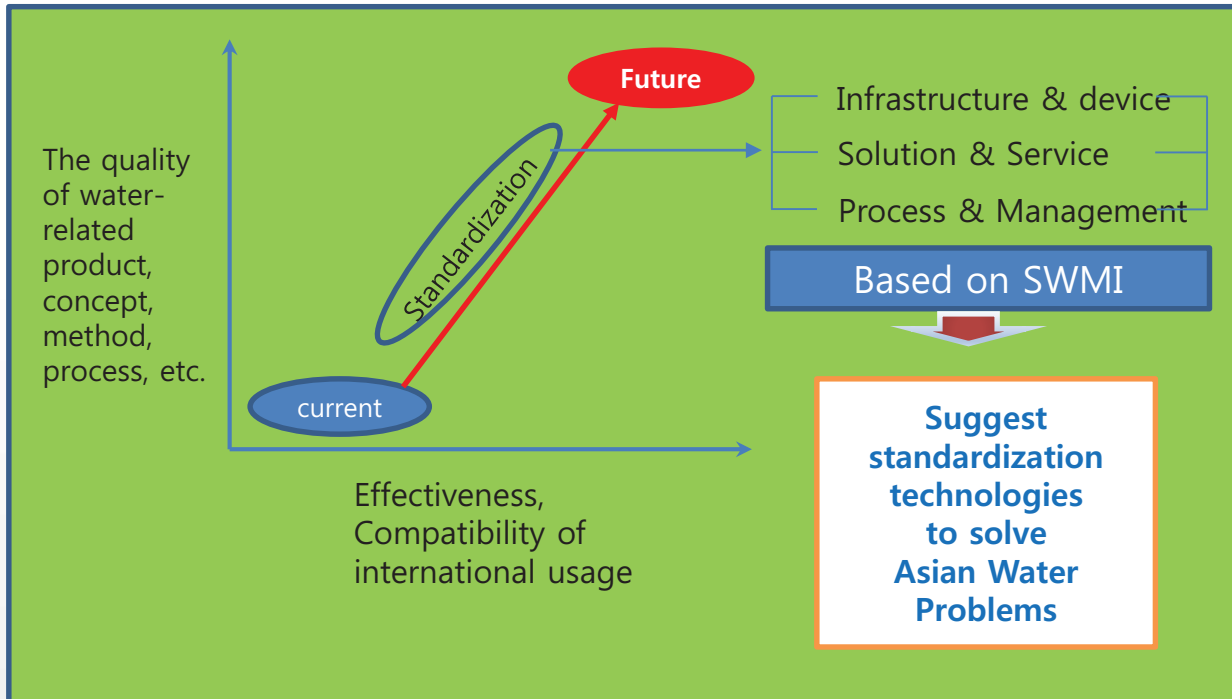
Aim

➤ To provide appropriate solutions for repetitive water challenge in Asia

# 5. Special Committee 3 (Standardization)



## Background



## Aim

Increasing recognition on necessity for standardization

**Learning?** how to implement it.

# 5. Special Committee 4 (WE Nexus)

# Water & Energy Nexus

Special Committee

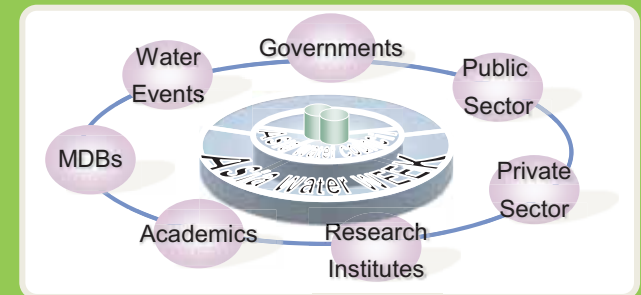


## Background and Aim

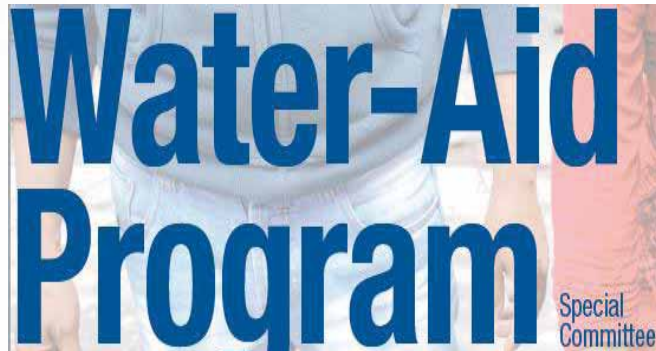
**Sufficient Water & Energy Resources For Sustainable Development in Asia**

**SWMI (ICT)**

- Water and Energy Efficiency
- Resource Recovery
- Water and Natural Disaster
- Ecosystem related to water



# 5. Special Committee 5 (WA Program)



## Background

### Insufficient water supply and sanitation facilities

- Many people have still struggled to access and drink clean water (1.8 billion in the world), etc.



- Access to water, sanitation, and hygiene
- Water efficiency, waste water
- Increase water productivity, disaster reduction

## Aim

- To share the best practices with Asian countries
- To apply appropriate solutions and technologies

**Water equality in Asia can be achieved ??**

# 5. Special Committee 6 (WE)

II. Asian Water Council



## Background

- Lack of communication and information exchange between stakeholders and institutions
- Irrelevant individual water management disciplines

Level of water capacity is unequally variable in Asia ??

Water Education for SDGs



## Aim

- To provide unbiased, balanced information and knowledge on water issues in Asia

# 5. Special Committee 7 (KB & D)

## Knowledge Base & Dissemination

Special Committee

(Asia Water Insight)

### Background

The absence of systematic data collection in most countries impedes regular reporting on water resources and water-use trends. There is consequently a growing interest in and demand for better and more accurate and consistent water data and accounting. This needs to be translated into improved data availability and quality, more structured data acquisition and better information about water.

(Mike Muller. 2012. From raw data to informed decision. The UN World Water Development Report 4: Managing Water under Uncertainty and Risk, 2012. UN Water Report, p.158)

To enhance understanding of Asia water, the reliability of data and information is inevitably required.

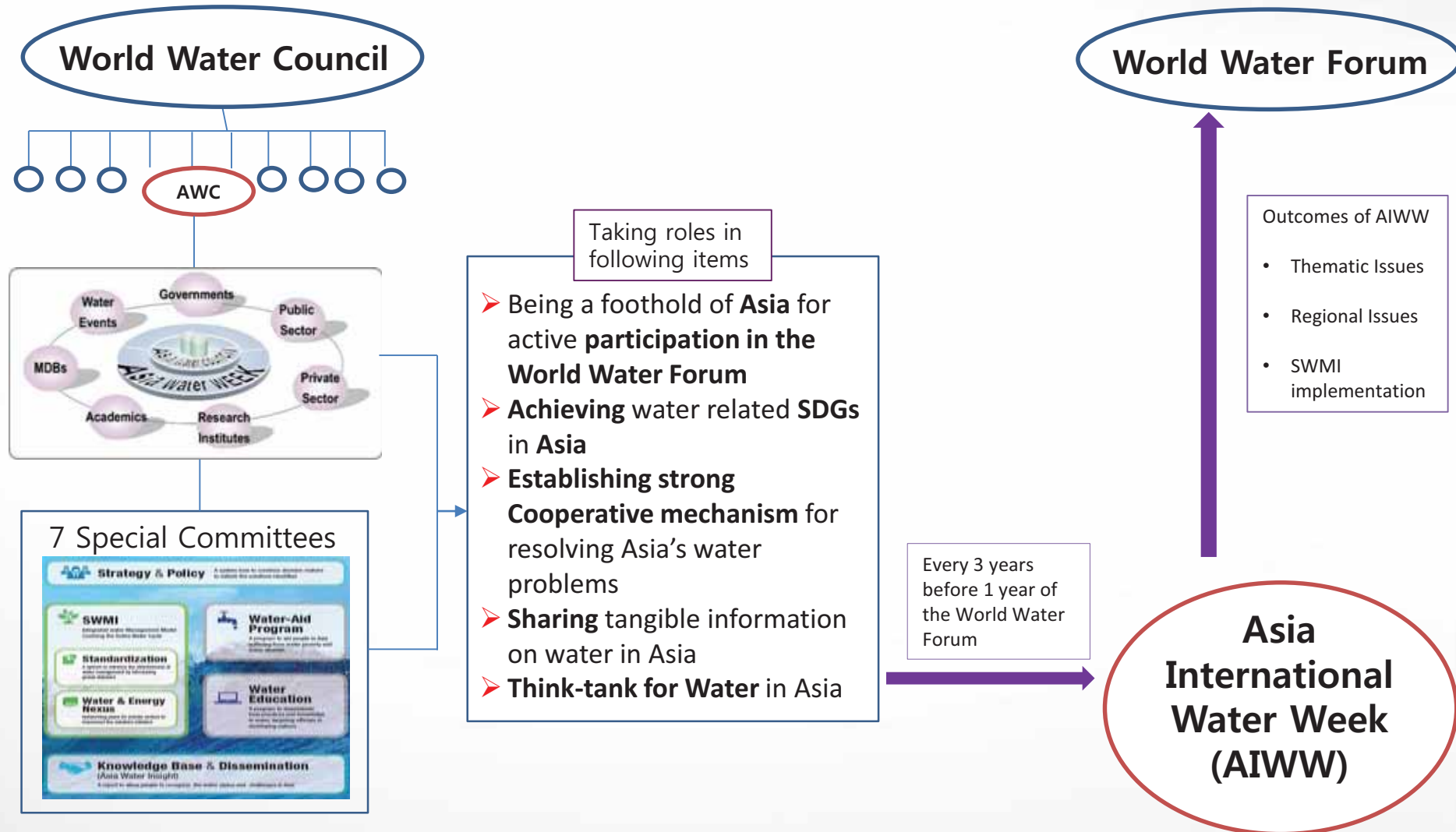


### Aim

To provide a report in which reliable and transparent information of Asia Water is described for experts to suggest feasible solutions and for leaders to make right decisions on water management.

# 6. Role of AWC for the World Water Forum

II. Asian Water Council





## 6. Future of Water by AWC

### Aims

The aim of AWC is to provide Water-Aid Program equipped with SWMI to realize common prosperity for Asia

➔ **“Water for Life” & “Water for Food”**

### Wide

In order to widen the scope of AWC, Standardization and Water Edu. are to be enhanced to share the useful information timely with right partners

### Con- centra- tion

AWC will create chances for resolving Asian Water Problems by supporting enhancement of Water Policy and Water & Energy industry

➔ **“Water for Energy, Future, and Everything”**



**Thank you!**