

Introduction of Water Environmental Partnership in Asia (WEPA)

アジア水環境パートナーシップ事業(WEPA)について

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Water Environmental Partnership in Asia (WEPA)

Recognizing that the **improvement of water environmental governance (水環境ガバナンスの改善)** is essential to solve water pollution problems in Asian region, the Water Environmental Partnership in Asia (WEPA) was launched in 2004 by the ministry of the Environment, Japan. WEPA conducts its activity on a 5-year cycle and the second phase stated in April 2009

WEPA consists of partners in **13** Asian countries

1. Democratic Socialist Republic of Sri Lanka (Sri Lanka)
2. Federal Democratic Republic of Nepal (Nepal)
3. Japan (Japan)
4. Kingdom of Cambodia (Cambodia)
5. Kingdom of Thailand (Thailand)
6. Lao People's Democratic Republic (Lao PDR)
7. Malaysia (Malaysia)
8. People's Republic of China (China)
9. Republic of Indonesia (Indonesia)
10. Republic of Korea (Republic of Korea)
11. Republic of the Philippines (Philippines)
12. Socialist Republic of Viet Nam (Viet Nam)
13. Union of Myanmar (Myanmar)



Purpose of WEPA(WEPAの目的)

1st Phase of WEPA(第1期):

Development of Information Platform of Water Environmental Management

水環境管理の知識共有基盤の構築

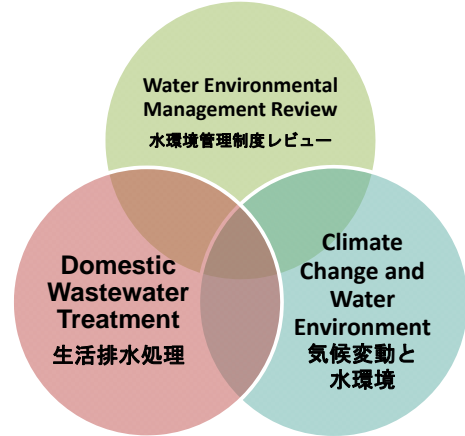


WEPA database www.wepa-db.net

2nd Phase of WEPA(第2期):

Knowledge Sharing for Solution Finding

解決策を探るための知識共有



Identified Issue for 2nd Phase
2期WEPAで検討している優先課題

Organization of International Workshop and Bilateral Meeting (国際ワークショップ・二国間会合等の開催)



International Workshop
国際ワークショップ
(at Cambodia in 2013)



Bilateral Meeting
二国間会合
(at Nepal in 2010)

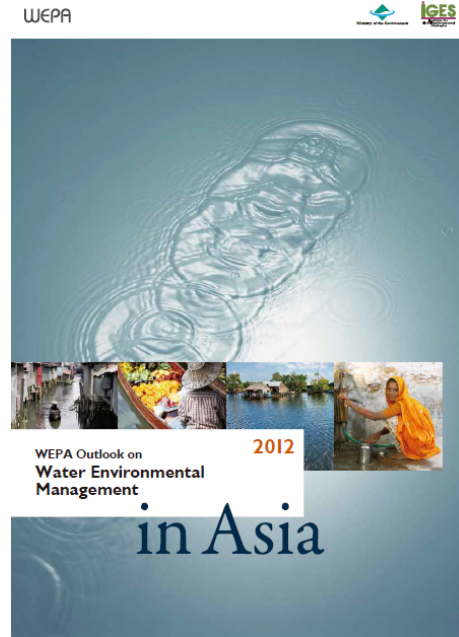
WEPA Outlook (WEPAアウトLOOK)



WEPA Outlook of Water Environmental Management Strategies in Asia



WEPA Outlook 2009



WEPA Outlook 2012

Outline of Water Environmental Management Framework in Asia (アジアにおける水環境管理制度の概要)

Review Points of Water Environmental Management in WEPA (WEPAにおける水環境管理制度レビューの着眼点)

1) Legislation, policies and strategies for water environmental management (水環境管理に関する法律、政策、基準、戦略の状況)

- Objectives of water environmental management, ambient water quality standards as the administrative target, strategies or plans for water environment

2) Measures to ensure implementation and compliance

(実施・遵守確保のための枠組み)

- Effluent standards, inspections and penalties for non-compliance

3) Monitoring of ambient and effluent water



































(水質・排水モニタリングの実施状況)

- Ambient water quality monitoring, Effluent quality monitoring, Recording, maintenance and evaluation of monitoring results






4) Other factors contributing to enforcement and removal of incorrect practices (遵守確保や違反是正に関連するその他の事項の状況)

- Disclosure of ambient water quality monitoring results, review cycle of water environmental policy

Establishment of Water Environmental Standard in WEPA Countries (WEPA参加国における水質環境基準の設定状況)

	Ambient water quality standards			Note
	For surface water*	For groundwater	For marine and coastal waters	
Cambodia	 			
China				There are additional parameters for surface water serving as drinking water sources.
Indonesia				
Japan	   ^{*1}		   ^{*1}	^{*1} A parameter for the aquatic ecosystem conservation is included under the living environmental standard.
Republic of Korea	   ^{*2}	 etc ^{*3}		^{*2} Water quality by grade & biological features of aquatic ecosystem. ^{*3} Groundwater standards are set for agricultural water, industrial water.
Lao PDR				
Malaysia				
Myanmar				
Nepal				Nepal sets water quality standards for different water use objectives. Standards for recreation and those for aquatic ecosystems were established.
Philippines	 			There are two types of standards for surface water-standards for toxins and other conventional parameters.
Sri Lanka				Awaiting for approval of ambient water quality standards.
Thailand				
Viet Nam				

Legend:

-  Human health
-  Living environment
-  Ecosystem/Biodiversity
-  One type
-  Others

* Rivers and lakes and reservoirs

Implementation of Ambient Water Quality Monitoring (公共用水域の水質モニタリングの実施)

Implementation of Ambient Water Quality Monitoring (公共用水域の水質モニタリングの実施)

- Ambient water quality is monitored on a project basis or for a specific benefit (e.g., irrigation and drinking water) such in Nepal, Myanmar and Sri Lanka. Other countries have regular monitoring systems which differ in number of monitoring points, parameters, and frequency(地点数、項目、頻度に違いはあるものの定期的にモニタリングを実施).

Disclosure of the result (モニタリング結果の公開)

Disclosure of the result(モニタリング結果の公開)

- In many countries the state of water quality is mainly reported to the general public via annually published environmental quality reports(年に一度環境報告書等で水質の状況が公表されている). The following countries enable public access to environmental reports giving comprehensive assessments of water quality on websites: China, Japan, Republic of Korea, Malaysia, Thailand, and Viet Nam.

Establishment of Effluent Standard in WEPA Countries (排水基準の設定)

Country	Industry	Domestic	Remarks
Cambodia	○	○	
China	○	○	Domestic: for urban wastewater treatment facility
Indonesia	○	○	
Japan	○	○	
Korea	○	○	
Lao PDR	○	○	Domestic: For urban area
Malaysia	○	○	
Myanmar	-	-	Yangon has effluent standard. National government starts discussion for establishment national standard
Nepal	○		Domestic: unknown
Philippine	○	○	Domestic: municipal wastewater
Sri Lanka	○	○	
Thailand	○	○	
Vietnam	○	○	

MOEJ-IGES "WEPA Outlook on Water Environmental Management in Asia" (2012)

Situation of Effluent Quality Monitoring in WEPA Countries (排水モニタリングの実施状況)

Situation of Effluent Quality Monitoring

- Despite obligations on the owner of the pollution source and wastewater treatment facility to monitor effluent quality, this is not comprehensively done in all countries(全ての国でモニタリングが包括的になされているわけではない) and monitoring results sometimes do not reach the intended authorities.

On Today's Seminar

(本日の公開セミナーについて)

Purpose of this seminar (公開セミナーの目的)

Purpose (目的)

- To provide information on current situation and issue of water environmental management framework in Asia to business sector, research institute, etc. in Japan. (アジアにおける水関連事業に携わる企業、研究機関、その他関連機関に対してアジア各国の水環境管理制度の現状と課題について情報提供を行う)
- To discuss about actions in improvement of water quality governance required for sustainable development and solution of water pollution problem in Asia as well as future potential area of cooperation among Asia and Japan for this issue. (アジアの地域の持続可能な発展を実現すると同時に水環境問題を解決するために今後必要な水環境ガバナンス向上に関するアクションとそれに対して日本がどのような貢献ができるのかについて、参加者の皆様と一緒に考える)

Program (プログラム)

Keynote Speech (基調講演)

- Dr. Motoyuki Suzuki Former Chair of the Central Environmental Council of Japan
鈴木基之 東京大学名誉教授

Kick-off Presentation from WEPA Partners “Current state and future policy direction of the water environment management framework in Asian countries”(各国発表)

- Dr. Wijarn Simachaya, Deputy Permanent Secretary, Ministry of Natural Resources and Environment, Kingdom of Thailand
- Dr. Damith Saranga Alahapperuma, Director General, Central Environmental Authority, Sri Lanka
- Dr. Do Nam Thang Deputy Director General, Ministry of Natural Resources and Environment, Vietnam
- Executive Director Department of Environment and Natural Resources, The Philippines

Program (プログラム)

Panel Discussion “Future actions required for improvement of water environmental governance in Asia and expectations for

Japan” (パネルディスカッション(アジアにおける水環境ガバナンス向上に必要なアクションと日本に対する期待))

- Discussion by delegations from selected WEPA countries and moderator (アジアの7か国代表及びモデレーターによる議論)

WEPA

Water Environment Partnership in Asia
アジア水環境パートナーシップ



WEPA公開セミナー

IGES
Institute for
Global Environmental
Strategies

**Thank you for your active
participation in this seminar**

**セミナーへの積極的なご参加よろしくおねがいた
します**