

Infrastructure Development Working Group Matrix

Highlighted cells indicate U.S. Action

Agenda Item	US Member	US ABAC action	USG Position	Other economy positions
2. Update on Eco-Cities		Monitor	Does not feel this is a core APEC issue	
3. Discussion on forward agenda on water security		Monitor	Does not feel this is a core APEC issue	
4. Presentation of PwC CEO Survey		Monitor		
5. Briefing on APEC Transportation Working Group Activities		Monitor		
6. Proposal for Joint Project with APEC Transportation Working Group	Alex Parle	Alex will provide an update on the proposal	US Department of Transportation is supportive of the project and a key partner	
7. Discussion of IDWG Key Messages for Dialogue with Leaders		Steer key message towards the need for APEC economies to improve the foreign direct investment environment.		
8. Review of ABAC report on infrastructure	Alex Parle	Alex will provide an update on the development of the document		
9. Review of IDWG issues for 2013				
10. Summary and Conclusion	Alex Parle			

Document: IDWG 32-024
Draft: **FIRST**
Source: ABAC Japan
Date: 21 August 2012
Meeting: Vladivostok, Russian Federation

Meeting Document Summary Sheet Template

Document Title: Water Security Roadmap for 2013
Purpose: For discussions
Issue: Presentation of the Water Security Roadmap for 2013
Background: ABAC members agreed at 2012 ABAC1 in Hong Kong that water security would be a multi-year work plan. We will review the discussions of the past two years and present a roadmap for 2013 discussions.
Proposal /Recommendations: <ul style="list-style-type: none">• In 2011, ABAC identified the issues and challenges. As suggested at ABAC4 that year, in 2012 we narrowed down the focus of our discussions on urban household water security and identified PPP as an important means to achieving it. The findings were presented in the Report to APEC Economic Leaders and in letters to related ministers.• For 2013, we propose the main theme to be “securing efficient use of water resources” as was recommended to APEC Leaders in 2011, and focus on controlling wasteful use and conservation of water.• In light of the possible merger of IDWG and SDWG, we also propose possible venues for water security issues discussion in the future.
Decision Points: <ul style="list-style-type: none">• Endorse the proposal.

Document: IDWG 32-024A
 Draft: **FIRST**
 Source: ABAC Japan
 Date: 28 August 2012
 Meeting: Vladivostok, Russian Federation

Water Security: Roadmap for 2013

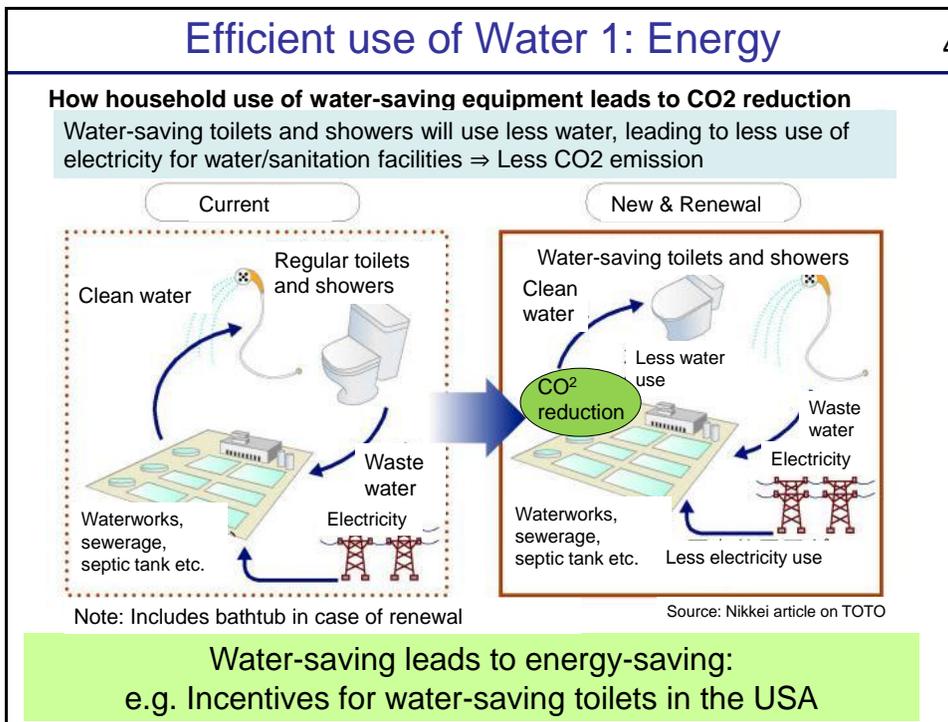
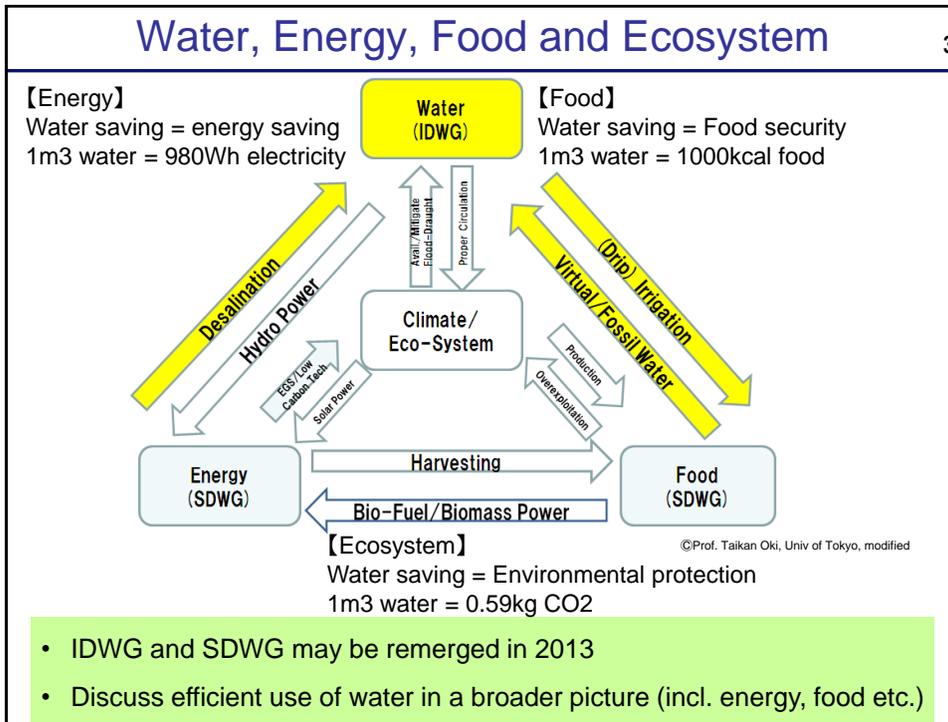
Yoshinori Komamura
 ABAC Japan

Past discussions and 2013 agenda

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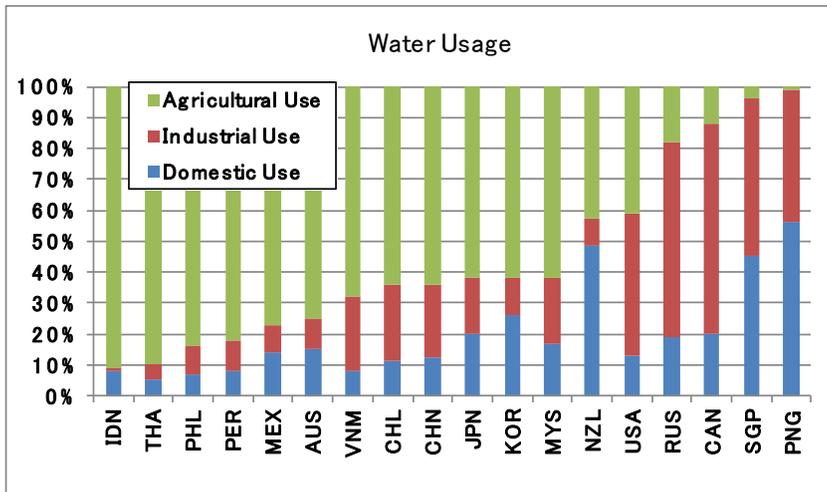
	2011 (SDWG)	2012 (IDWG)
	Identified issues and agenda	Agenda 1: PPP for urban household water
ABAC 1	<ul style="list-style-type: none"> Global Water Japan: Basics ('10 ABAC4) Roadmap (including inviting specialists) 	<ul style="list-style-type: none"> Veolia: PPP successes Shanghai: Met demand w/o expanding personnel Shenzhen: HRD Honolulu: wastewater reclamation
ABAC 2	<ul style="list-style-type: none"> Kankeiren: HRD in developing economies; Osaka water improvement project PUB Singapore: National projects led to a leading water-economy in 10 years 	<ul style="list-style-type: none"> ABAC Japan: Case studies: Manila, Chile, Macau Identifying/analyzing problems: In comparison with electricity
ABAC 3	Report to APEC Leaders	Report to APEC Leaders
ABAC 4	2012 roadmap: Agreed to narrow down the focus of the wide-ranging Report to Leaders	2013 roadmap
ABAC Report to Leaders	Recognizing the importance of water security, identified wide-ranging issues: <ol style="list-style-type: none"> Efficient use of water resources Establish an APEC body (HRD etc.) Raise community awareness Foster PPP 	Water is key to sustainable growth; PPP is a major means to resolve the situation. <ol style="list-style-type: none"> Water is secondary: P-P cooperation Users are general public; Trust-building Local currency: Risk-reducing biz. climate Establish body in APEC

- Based on 2011 discussions, 2012 focused on "Fostering PPP"
- In 2013 we propose to focus on "Efficient use of water resources"



Efficient Use of Water 2: Food ①

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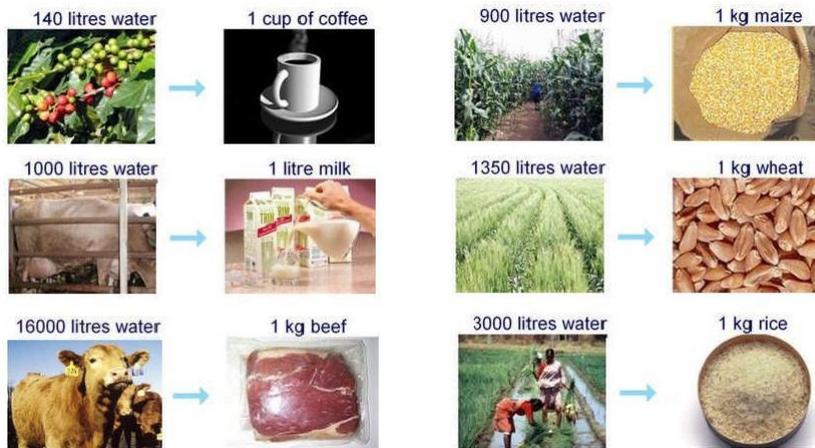


Source: World's Water

In most economies, agriculture is the largest user of water
 ⇒ Water conservation in agriculture will have a huge impact

Efficient Use of Water 2: Food ②

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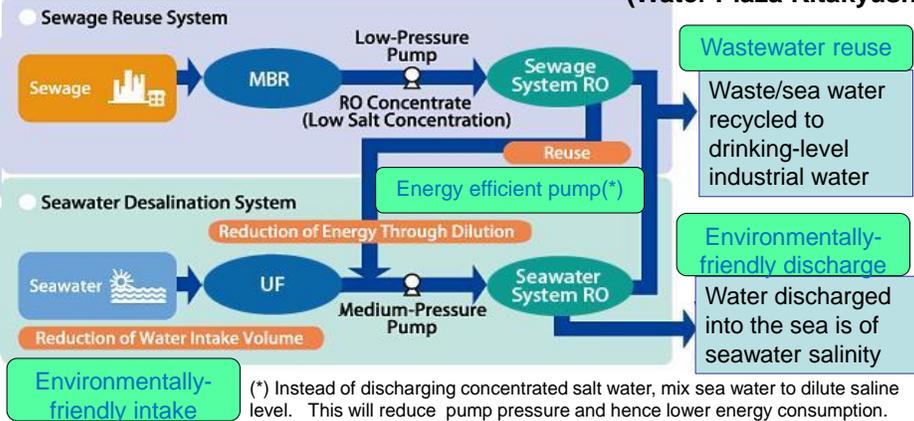
Source: Global Environment Centre Foundation
 (Data from Water Footprint)

Farm production uses volumes of water
 ⇒ Efficient use of water is key to larger output

Efficient Use of Water 3: Environment

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Integrated Seawater Desalination and Sewage Reuse System (Water Plaza Kitakyushu)



- MBR (membrane bioreactor): Wastewater treatment process that separates water and activated sludge with microfiltration or ultrafiltration membrane
- UF (ultrafiltration membrane): Pore size is 0.01~0.001 μm (1 μm =1/1million m) ; larger than reverse osmosis membrane (RO, NF) and smaller than microfiltration membrane
- RO (reverse osmosis membrane): Removes salt and ions from treated water. Pore size is smaller than UF; 2nm(1nm=1/100mil m)

Roadmap for 2013

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ABAC-1 Agricultural water; water-saving incentive programs



ABAC-2 Water-saving equipment; grey water; leak prevention



ABAC-3 Case studies



Onwards Discuss energy and food taking into account water perspective